

WEBVTT

NOTE duration: "00:56:01.365"

NOTE Confidence: 0.9599625

00:00:00.320 --> 00:00:02.500 Okay. Alright. Good afternoon, everybody.

NOTE Confidence: 0.9599625

00:00:02.560 --> 00:00:03.780 I'm Anna Reisman,

NOTE Confidence: 0.96089697

00:00:04.240 --> 00:00:05.359 director of the program for

NOTE Confidence: 0.96089697

00:00:05.359 --> 00:00:06.180 medical humanities.

NOTE Confidence: 0.99938476

00:00:07.040 --> 00:00:08.400 And I am pleased to

NOTE Confidence: 0.99938476

00:00:08.400 --> 00:00:09.700 welcome you to the

NOTE Confidence: 0.88399637

00:00:10.240 --> 00:00:12.420 annual John p McGovern lecture.

NOTE Confidence: 0.93074894

00:00:13.805 --> 00:00:14.845 And this is this talk

NOTE Confidence: 0.93074894

00:00:14.845 --> 00:00:16.525 is supported by the McGovern

NOTE Confidence: 0.93074894

00:00:16.525 --> 00:00:17.725 Fund for the Humanities in

NOTE Confidence: 0.93074894

00:00:17.725 --> 00:00:18.225 Medicine.

NOTE Confidence: 0.9989387

00:00:18.845 --> 00:00:20.945 John McGovern was a Texas

NOTE Confidence: 0.9989387

00:00:21.005 --> 00:00:22.225 based medical humanist,

NOTE Confidence: 0.98406905

00:00:22.685 --> 00:00:24.545 allergist, investor, and philanthropist

NOTE Confidence: 0.98030066

00:00:25.085 --> 00:00:26.765 who established several lectures bearing
NOTE Confidence: 0.98030066
00:00:26.765 --> 00:00:27.805 his name at medical schools
NOTE Confidence: 0.98030066
00:00:27.805 --> 00:00:28.705 throughout the country.
NOTE Confidence: 0.99979514
00:00:29.190 --> 00:00:30.410 And this particular
NOTE Confidence: 0.9850578
00:00:30.950 --> 00:00:32.909 lectureship is given annually to
NOTE Confidence: 0.9850578
00:00:32.909 --> 00:00:34.470 a physician who demonstrates the
NOTE Confidence: 0.9850578
00:00:34.470 --> 00:00:35.770 true healing art,
NOTE Confidence: 0.9867609
00:00:36.150 --> 00:00:37.270 being a scientist and a
NOTE Confidence: 0.9867609
00:00:37.270 --> 00:00:39.110 humanist, a knowledgeable, humane, and
NOTE Confidence: 0.9867609
00:00:39.110 --> 00:00:39.930 caring physician.
NOTE Confidence: 0.98747474
00:00:41.885 --> 00:00:43.005 So we are happy to
NOTE Confidence: 0.98747474
00:00:43.005 --> 00:00:44.525 bestow this award upon doctor
NOTE Confidence: 0.98747474
00:00:44.525 --> 00:00:46.045 Hannah Wunsch, who is all
NOTE Confidence: 0.98747474
00:00:46.045 --> 00:00:46.925 of these things and who
NOTE Confidence: 0.98747474
00:00:46.925 --> 00:00:48.225 we are thrilled to welcome
NOTE Confidence: 0.98747474
00:00:48.445 --> 00:00:49.745 to Yale School of Medicine.

NOTE Confidence: 0.9911551
00:00:50.604 --> 00:00:51.805 Doctor Wunsch is a physician
NOTE Confidence: 0.9911551
00:00:51.805 --> 00:00:53.405 and writer and playwright in
NOTE Confidence: 0.9911551
00:00:53.405 --> 00:00:54.525 New York City. She's a
NOTE Confidence: 0.9911551
00:00:54.525 --> 00:00:55.665 distinguished professor
NOTE Confidence: 0.98521054
00:00:56.240 --> 00:00:57.440 and vice chair for research
NOTE Confidence: 0.98521054
00:00:57.440 --> 00:00:58.900 in the department of anesthesiology
NOTE Confidence: 0.98521054
00:00:59.200 --> 00:01:00.180 at Weill Cornell.
NOTE Confidence: 0.9875685
00:01:00.560 --> 00:01:01.620 She grew up in Cambridge,
NOTE Confidence: 0.9875685
00:01:01.680 --> 00:01:03.600 Mass, attended Harvard, received a
NOTE Confidence: 0.9875685
00:01:03.600 --> 00:01:04.979 master's degree in epidemiology
NOTE Confidence: 0.9748391
00:01:05.280 --> 00:01:06.240 from the London School of
NOTE Confidence: 0.9748391
00:01:06.240 --> 00:01:07.920 Hygiene and Tropical Medicine, and
NOTE Confidence: 0.9748391
00:01:07.920 --> 00:01:09.700 an MD from Washington University.
NOTE Confidence: 0.98495847
00:01:12.005 --> 00:01:13.625 She completed training in anesthesia
NOTE Confidence: 0.98495847
00:01:13.765 --> 00:01:15.205 and critical care at Columbia
NOTE Confidence: 0.98495847

00:01:15.205 --> 00:01:16.645 and holds a master's degree,
NOTE Confidence: 0.98495847

00:01:16.645 --> 00:01:18.084 as I already said, in
NOTE Confidence: 0.98495847

00:01:18.084 --> 00:01:18.584 epidemiology
NOTE Confidence: 0.9450316

00:01:20.405 --> 00:01:21.444 and was on the Columbia
NOTE Confidence: 0.9450316

00:01:21.444 --> 00:01:23.525 faculty for six years after
NOTE Confidence: 0.9450316

00:01:23.525 --> 00:01:24.965 residency and fellowship. Then she
NOTE Confidence: 0.9450316

00:01:24.965 --> 00:01:26.069 was at the University of
NOTE Confidence: 0.9450316

00:01:26.069 --> 00:01:26.569 Toronto,
NOTE Confidence: 0.99025124

00:01:27.030 --> 00:01:28.150 back to New York, and
NOTE Confidence: 0.99025124

00:01:28.150 --> 00:01:29.530 has been at Weill Cornell,
NOTE Confidence: 0.99970865

00:01:30.069 --> 00:01:31.050 for a few years.
NOTE Confidence: 0.99912536

00:01:31.510 --> 00:01:32.950 Her research focuses on the
NOTE Confidence: 0.99912536

00:01:32.950 --> 00:01:34.390 delivery and outcomes of critical
NOTE Confidence: 0.99912536

00:01:34.390 --> 00:01:36.330 care using large scale databases
NOTE Confidence: 0.9975075

00:01:36.870 --> 00:01:38.390 to examine the organization of
NOTE Confidence: 0.9975075

00:01:38.390 --> 00:01:39.670 intensive care units and the

NOTE Confidence: 0.9975075
00:01:39.670 --> 00:01:41.295 management of critically ill patients.
NOTE Confidence: 0.91502285
00:01:41.854 --> 00:01:43.555 Her writing has appeared in
NOTE Confidence: 0.91502285
00:01:43.694 --> 00:01:45.615 Time, The Globe and Mail,
NOTE Confidence: 0.91502285
00:01:45.615 --> 00:01:47.395 the literary review of Canada,
NOTE Confidence: 0.99531853
00:01:47.854 --> 00:01:49.475 and many other places.
NOTE Confidence: 0.9367396
00:01:50.095 --> 00:01:51.134 And she is the author
NOTE Confidence: 0.9367396
00:01:51.134 --> 00:01:51.935 of the book that you
NOTE Confidence: 0.9367396
00:01:51.935 --> 00:01:52.975 will hear a lot about
NOTE Confidence: 0.9367396
00:01:52.975 --> 00:01:54.415 today called The Autumn Ghost,
NOTE Confidence: 0.9367396
00:01:54.415 --> 00:01:56.229 How the Battle Against polio
NOTE Confidence: 0.9367396
00:01:56.229 --> 00:01:57.369 epidemic revolutionized
NOTE Confidence: 0.99947125
00:01:57.670 --> 00:01:58.810 modern medical care.
NOTE Confidence: 0.99726915
00:01:59.350 --> 00:01:59.850 Welcome.
NOTE Confidence: 0.9815829
00:02:06.469 --> 00:02:08.069 Thanks so much. Thanks for
NOTE Confidence: 0.9815829
00:02:08.069 --> 00:02:09.735 coming out at five o'clock
NOTE Confidence: 0.9815829

00:02:09.735 --> 00:02:11.335 on a cold day. Really
NOTE Confidence: 0.9815829

00:02:11.335 --> 00:02:12.615 appreciate it, and I'm really
NOTE Confidence: 0.9815829

00:02:12.615 --> 00:02:14.075 thrilled to have the opportunity
NOTE Confidence: 0.99881935

00:02:14.615 --> 00:02:15.834 to talk to you all.
NOTE Confidence: 0.995214

00:02:16.455 --> 00:02:16.955 And
NOTE Confidence: 0.9522243

00:02:17.575 --> 00:02:19.255 I've entitled this talk learning
NOTE Confidence: 0.9522243

00:02:19.255 --> 00:02:20.775 from polio, a journey into
NOTE Confidence: 0.9522243

00:02:20.775 --> 00:02:21.275 publishing.
NOTE Confidence: 0.93136096

00:02:21.655 --> 00:02:22.775 And really what I wanna
NOTE Confidence: 0.93136096

00:02:22.775 --> 00:02:24.340 do with it is share
NOTE Confidence: 0.93136096

00:02:24.340 --> 00:02:25.860 with you very briefly a
NOTE Confidence: 0.93136096

00:02:25.860 --> 00:02:26.900 bit about the story of
NOTE Confidence: 0.93136096

00:02:26.900 --> 00:02:27.700 the book so you kind
NOTE Confidence: 0.93136096

00:02:27.700 --> 00:02:28.419 of have the gist of
NOTE Confidence: 0.93136096

00:02:28.419 --> 00:02:28.919 it,
NOTE Confidence: 0.9845336

00:02:29.540 --> 00:02:31.220 but also to kind of

NOTE Confidence: 0.9845336
00:02:31.220 --> 00:02:32.040 dive into
NOTE Confidence: 0.9992713
00:02:32.419 --> 00:02:34.020 some of the challenges and
NOTE Confidence: 0.9992713
00:02:34.020 --> 00:02:35.780 learning points that I had
NOTE Confidence: 0.9992713
00:02:35.780 --> 00:02:36.680 along the way
NOTE Confidence: 0.98935443
00:02:37.165 --> 00:02:38.444 of trying to dive in
NOTE Confidence: 0.98935443
00:02:38.444 --> 00:02:39.505 and write a book.
NOTE Confidence: 0.9779768
00:02:39.885 --> 00:02:40.845 And I can tell you
NOTE Confidence: 0.9779768
00:02:40.845 --> 00:02:41.805 I didn't have much of
NOTE Confidence: 0.9779768
00:02:41.805 --> 00:02:43.084 a background in writing when
NOTE Confidence: 0.9779768
00:02:43.084 --> 00:02:44.205 I did this and sort
NOTE Confidence: 0.9779768
00:02:44.205 --> 00:02:45.084 of took a leap of
NOTE Confidence: 0.9779768
00:02:45.084 --> 00:02:46.605 faith that I was gonna
NOTE Confidence: 0.9779768
00:02:46.605 --> 00:02:48.044 figure out how to tell
NOTE Confidence: 0.9779768
00:02:48.044 --> 00:02:49.084 the story I wanted to
NOTE Confidence: 0.9779768
00:02:49.084 --> 00:02:49.584 tell,
NOTE Confidence: 0.97322106

00:02:50.285 --> 00:02:51.485 and so gonna kind of
NOTE Confidence: 0.97322106

00:02:51.485 --> 00:02:52.465 share with you
NOTE Confidence: 0.9727769

00:02:54.470 --> 00:02:54.870 a bit of that. So
NOTE Confidence: 0.9727769

00:02:54.870 --> 00:02:56.310 I first learned about the
NOTE Confidence: 0.9727769

00:02:56.310 --> 00:02:57.350 story that I ended up
NOTE Confidence: 0.9727769

00:02:57.350 --> 00:02:58.389 writing about in this book,
NOTE Confidence: 0.9727769

00:02:58.389 --> 00:02:59.110 the rise and fall of
NOTE Confidence: 0.9727769

00:02:59.110 --> 00:03:00.470 modern medicine by James Le
NOTE Confidence: 0.9727769

00:03:00.470 --> 00:03:01.510 Fanu. And I read this
NOTE Confidence: 0.9727769

00:03:01.510 --> 00:03:03.190 book twenty five years ago
NOTE Confidence: 0.9727769

00:03:03.190 --> 00:03:03.990 when I was doing my
NOTE Confidence: 0.9727769

00:03:03.990 --> 00:03:05.635 master's degree, and each chapter
NOTE Confidence: 0.9727769

00:03:05.635 --> 00:03:07.194 is a different episode in
NOTE Confidence: 0.9727769

00:03:07.194 --> 00:03:08.555 medical history in the twentieth
NOTE Confidence: 0.9727769

00:03:08.555 --> 00:03:09.055 century.
NOTE Confidence: 0.82204

00:03:09.355 --> 00:03:10.474 So Banting and Best in

NOTE Confidence: 0.82204
00:03:10.474 --> 00:03:12.474 discovery of penicillin sorry. I've
NOTE Confidence: 0.82204
00:03:12.474 --> 00:03:13.055 discovered insulin,
NOTE Confidence: 0.93430823
00:03:13.674 --> 00:03:15.694 Alexander Fleming, discovery of penicillin.
NOTE Confidence: 0.9986706
00:03:16.394 --> 00:03:18.155 And then there was this
NOTE Confidence: 0.9986706
00:03:18.155 --> 00:03:19.294 one short chapter
NOTE Confidence: 0.9979941
00:03:19.595 --> 00:03:21.400 about a polio epidemic in
NOTE Confidence: 0.9979941
00:03:21.400 --> 00:03:21.900 Copenhagen
NOTE Confidence: 0.9898255
00:03:22.200 --> 00:03:23.400 in nineteen fifty two and
NOTE Confidence: 0.9898255
00:03:23.400 --> 00:03:25.000 how important it was for
NOTE Confidence: 0.9898255
00:03:25.000 --> 00:03:25.660 the development
NOTE Confidence: 0.9846856
00:03:25.960 --> 00:03:26.460 of,
NOTE Confidence: 0.9889507
00:03:26.840 --> 00:03:29.160 ventilation intensive care, which became
NOTE Confidence: 0.9889507
00:03:29.160 --> 00:03:29.820 my specialty.
NOTE Confidence: 0.97862464
00:03:30.280 --> 00:03:31.800 And so this story stayed
NOTE Confidence: 0.97862464
00:03:31.800 --> 00:03:32.620 with me,
NOTE Confidence: 0.98859227

00:03:32.919 --> 00:03:34.754 and I felt like I
NOTE Confidence: 0.98859227

00:03:34.754 --> 00:03:36.355 just wanted to share this
NOTE Confidence: 0.98859227

00:03:36.355 --> 00:03:38.034 story more widely than was
NOTE Confidence: 0.98859227

00:03:38.034 --> 00:03:39.814 available in this short chapter.
NOTE Confidence: 0.98859227

00:03:39.875 --> 00:03:40.995 And I found that even
NOTE Confidence: 0.98859227

00:03:40.995 --> 00:03:42.215 people in my own specialty
NOTE Confidence: 0.98859227

00:03:42.435 --> 00:03:43.555 didn't know about this sort
NOTE Confidence: 0.98859227

00:03:43.555 --> 00:03:44.775 of origin story.
NOTE Confidence: 0.98810285

00:03:45.635 --> 00:03:46.915 And so one of the
NOTE Confidence: 0.98810285

00:03:46.915 --> 00:03:48.614 things that I did before
NOTE Confidence: 0.98810285

00:03:48.674 --> 00:03:50.160 starting to write was think,
NOTE Confidence: 0.98810285

00:03:50.160 --> 00:03:51.760 okay, what sort of book
NOTE Confidence: 0.98810285

00:03:51.760 --> 00:03:52.560 am I trying to write?
NOTE Confidence: 0.98810285

00:03:52.560 --> 00:03:53.280 I knew I wanted to
NOTE Confidence: 0.98810285

00:03:53.280 --> 00:03:54.239 write for the general public.
NOTE Confidence: 0.98810285

00:03:54.239 --> 00:03:54.959 I didn't want it to

NOTE Confidence: 0.98810285
00:03:54.959 --> 00:03:56.400 be an academic book just
NOTE Confidence: 0.98810285
00:03:56.400 --> 00:03:56.900 for
NOTE Confidence: 0.9573105
00:03:57.200 --> 00:03:58.640 people in my field. I
NOTE Confidence: 0.9573105
00:03:58.640 --> 00:04:00.000 wanted to reach a wider
NOTE Confidence: 0.9573105
00:04:00.000 --> 00:04:01.840 audience. And so, people often
NOTE Confidence: 0.9573105
00:04:01.840 --> 00:04:02.720 ask me sort of like
NOTE Confidence: 0.9573105
00:04:02.720 --> 00:04:03.940 what what are your influences?
NOTE Confidence: 0.9573105
00:04:04.000 --> 00:04:04.720 And so I just threw
NOTE Confidence: 0.9573105
00:04:04.720 --> 00:04:05.705 up here a bunch of
NOTE Confidence: 0.9573105
00:04:05.705 --> 00:04:07.065 the the books that did
NOTE Confidence: 0.9573105
00:04:07.065 --> 00:04:08.425 influence me. I spent a
NOTE Confidence: 0.9573105
00:04:08.425 --> 00:04:09.385 lot of time reading a
NOTE Confidence: 0.9573105
00:04:09.385 --> 00:04:10.845 lot of narrative nonfiction.
NOTE Confidence: 0.97003925
00:04:11.705 --> 00:04:12.584 You can see not all
NOTE Confidence: 0.97003925
00:04:12.584 --> 00:04:14.125 of them are in medicine
NOTE Confidence: 0.97003925

00:04:14.185 --> 00:04:16.185 or science, but really all
NOTE Confidence: 0.97003925

00:04:16.185 --> 00:04:18.205 of them are incredible writers
NOTE Confidence: 0.97003925

00:04:18.425 --> 00:04:20.105 who are able to just
NOTE Confidence: 0.97003925

00:04:20.105 --> 00:04:21.360 take, to to be honest,
NOTE Confidence: 0.97003925

00:04:21.360 --> 00:04:23.200 any topic and make it
NOTE Confidence: 0.97003925

00:04:23.200 --> 00:04:25.040 incredibly exciting and fun to
NOTE Confidence: 0.97003925

00:04:25.040 --> 00:04:25.540 read.
NOTE Confidence: 0.99904007

00:04:25.920 --> 00:04:26.800 And so I learned a
NOTE Confidence: 0.99904007

00:04:26.800 --> 00:04:28.000 lot from reading those books
NOTE Confidence: 0.99904007

00:04:28.000 --> 00:04:29.300 before I even started.
NOTE Confidence: 0.971336

00:04:30.480 --> 00:04:31.279 Then I had to do
NOTE Confidence: 0.971336

00:04:31.279 --> 00:04:32.320 the research for the book
NOTE Confidence: 0.971336

00:04:32.320 --> 00:04:32.820 itself,
NOTE Confidence: 0.90028673

00:04:34.275 --> 00:04:34.775 and
NOTE Confidence: 0.9895519

00:04:35.235 --> 00:04:36.595 this is gonna sound maybe
NOTE Confidence: 0.9895519

00:04:36.595 --> 00:04:37.975 really, really obvious,

NOTE Confidence: 0.9713027
00:04:38.595 --> 00:04:40.275 but it actually was something
NOTE Confidence: 0.9713027
00:04:40.275 --> 00:04:41.235 that kind of took me
NOTE Confidence: 0.9713027
00:04:41.235 --> 00:04:43.235 back when I realized it
NOTE Confidence: 0.9713027
00:04:43.235 --> 00:04:44.515 kind of in detail, which
NOTE Confidence: 0.9713027
00:04:44.515 --> 00:04:46.355 was that anything I wrote
NOTE Confidence: 0.9713027
00:04:46.355 --> 00:04:47.235 had to be backed up
NOTE Confidence: 0.9713027
00:04:47.235 --> 00:04:48.720 by a reference. Now that's
NOTE Confidence: 0.9713027
00:04:48.720 --> 00:04:49.520 easy to do when you're
NOTE Confidence: 0.9713027
00:04:49.520 --> 00:04:50.880 writing, like, a medical paper
NOTE Confidence: 0.9713027
00:04:50.880 --> 00:04:52.320 because you kind of state
NOTE Confidence: 0.9713027
00:04:52.320 --> 00:04:53.360 a fact and then you
NOTE Confidence: 0.9713027
00:04:53.360 --> 00:04:54.720 reference the paper. Right? That
NOTE Confidence: 0.9713027
00:04:54.720 --> 00:04:55.760 kind of has that fact
NOTE Confidence: 0.9713027
00:04:55.760 --> 00:04:56.339 in it.
NOTE Confidence: 0.9815159
00:04:57.200 --> 00:04:58.320 But, of course, when you're
NOTE Confidence: 0.9815159

00:04:58.320 --> 00:04:59.520 trying to write something that's

NOTE Confidence: 0.9815159

00:04:59.520 --> 00:05:00.820 narrative and nonfiction,

NOTE Confidence: 0.99228793

00:05:01.520 --> 00:05:02.800 that means that you're trying

NOTE Confidence: 0.99228793

00:05:02.800 --> 00:05:03.525 to really make it a

NOTE Confidence: 0.99228793

00:05:03.525 --> 00:05:04.485 story. And to make it

NOTE Confidence: 0.99228793

00:05:04.485 --> 00:05:05.285 a story is to have

NOTE Confidence: 0.99228793

00:05:05.285 --> 00:05:06.345 a level of detail

NOTE Confidence: 0.99530125

00:05:06.805 --> 00:05:08.324 and sort of humanity in

NOTE Confidence: 0.99530125

00:05:08.324 --> 00:05:08.824 it

NOTE Confidence: 0.96837395

00:05:09.205 --> 00:05:10.725 that becomes a lot harder

NOTE Confidence: 0.96837395

00:05:10.725 --> 00:05:11.845 that you wanna kind of

NOTE Confidence: 0.96837395

00:05:11.845 --> 00:05:13.604 describe. Was someone happy or

NOTE Confidence: 0.96837395

00:05:13.604 --> 00:05:15.445 sad? Were they smiling? What

NOTE Confidence: 0.96837395

00:05:15.445 --> 00:05:16.745 do they even look like?

NOTE Confidence: 0.96837395

00:05:16.849 --> 00:05:18.050 And you realize that in

NOTE Confidence: 0.96837395

00:05:18.050 --> 00:05:19.009 order to do that, you

NOTE Confidence: 0.96837395

00:05:19.009 --> 00:05:20.129 can't make it up. Right?

NOTE Confidence: 0.96837395

00:05:20.129 --> 00:05:21.889 You can't say, oh, it

NOTE Confidence: 0.96837395

00:05:21.889 --> 00:05:22.930 was a stormy day out.

NOTE Confidence: 0.96837395

00:05:22.930 --> 00:05:23.970 You've actually got to go

NOTE Confidence: 0.96837395

00:05:23.970 --> 00:05:24.949 back to the archives

NOTE Confidence: 0.99360186

00:05:25.250 --> 00:05:26.449 and figure out what sort

NOTE Confidence: 0.99360186

00:05:26.449 --> 00:05:27.810 of day it was. And

NOTE Confidence: 0.99360186

00:05:27.810 --> 00:05:29.650 so the work to learn

NOTE Confidence: 0.99360186

00:05:29.650 --> 00:05:31.089 about this story really took

NOTE Confidence: 0.99360186

00:05:31.089 --> 00:05:32.550 me through a huge range

NOTE Confidence: 0.99360186

00:05:32.595 --> 00:05:33.415 of different

NOTE Confidence: 0.9796256

00:05:33.875 --> 00:05:35.714 types of research and starting

NOTE Confidence: 0.9796256

00:05:35.714 --> 00:05:36.675 with the kind of standard

NOTE Confidence: 0.9796256

00:05:36.675 --> 00:05:38.675 academic papers, articles, and books,

NOTE Confidence: 0.9796256

00:05:38.675 --> 00:05:40.035 but then very quickly moving

NOTE Confidence: 0.9796256

00:05:40.035 --> 00:05:41.335 on to things like newspapers,
NOTE Confidence: 0.9796256

00:05:41.475 --> 00:05:43.714 films, photos, other archival material,
NOTE Confidence: 0.9796256

00:05:43.714 --> 00:05:45.975 interviews, personal papers, personal photos.
NOTE Confidence: 0.98127115

00:05:47.160 --> 00:05:48.279 So the story, as I
NOTE Confidence: 0.98127115

00:05:48.279 --> 00:05:50.300 mentioned, is about polio, and
NOTE Confidence: 0.984683

00:05:50.919 --> 00:05:51.639 first thing I had to
NOTE Confidence: 0.984683

00:05:51.639 --> 00:05:52.759 do was learn about polio.
NOTE Confidence: 0.984683

00:05:53.080 --> 00:05:53.880 I don't know about you.
NOTE Confidence: 0.984683

00:05:53.880 --> 00:05:54.919 We didn't really get any
NOTE Confidence: 0.984683

00:05:54.919 --> 00:05:56.120 teaching about it in medical
NOTE Confidence: 0.984683

00:05:56.120 --> 00:05:57.400 school that may be changing
NOTE Confidence: 0.984683

00:05:57.400 --> 00:05:58.600 now as people are worried
NOTE Confidence: 0.984683

00:05:58.600 --> 00:06:00.335 about it coming back. But
NOTE Confidence: 0.984683

00:06:00.335 --> 00:06:02.015 for me, my entire exposure
NOTE Confidence: 0.984683

00:06:02.015 --> 00:06:03.214 to polio was really one
NOTE Confidence: 0.984683

00:06:03.214 --> 00:06:04.195 family friend,

NOTE Confidence: 0.9514963
00:06:04.654 --> 00:06:05.855 of my parents growing up
NOTE Confidence: 0.9514963
00:06:05.855 --> 00:06:06.815 who was in a wheelchair.
NOTE Confidence: 0.9514963
00:06:06.815 --> 00:06:07.695 And it was explained to
NOTE Confidence: 0.9514963
00:06:07.695 --> 00:06:08.654 me this person had had
NOTE Confidence: 0.9514963
00:06:08.654 --> 00:06:09.154 polio.
NOTE Confidence: 0.987816
00:06:09.615 --> 00:06:10.335 And I think for a
NOTE Confidence: 0.987816
00:06:10.335 --> 00:06:11.615 lot of people it's learning
NOTE Confidence: 0.987816
00:06:11.615 --> 00:06:13.695 about Roosevelt in school, that
NOTE Confidence: 0.987816
00:06:13.695 --> 00:06:14.195 FDR
NOTE Confidence: 0.9577723
00:06:14.990 --> 00:06:16.590 probably most likely had polio.
NOTE Confidence: 0.9577723
00:06:16.590 --> 00:06:17.630 Some people think he had
NOTE Confidence: 0.9577723
00:06:17.630 --> 00:06:18.770 Guillain Barre syndrome,
NOTE Confidence: 0.9719976
00:06:19.470 --> 00:06:20.830 but, you know, it's taught
NOTE Confidence: 0.9719976
00:06:20.830 --> 00:06:21.790 that he had polio, was
NOTE Confidence: 0.9719976
00:06:21.790 --> 00:06:22.529 in a wheelchair.
NOTE Confidence: 0.9664944

00:06:22.990 --> 00:06:24.270 And then, actually, I read
NOTE Confidence: 0.9664944

00:06:24.270 --> 00:06:25.310 this book, which I recommend,
NOTE Confidence: 0.9664944

00:06:25.310 --> 00:06:26.510 whatever you think about Philip
NOTE Confidence: 0.9664944

00:06:26.510 --> 00:06:27.710 Roth. This is a great
NOTE Confidence: 0.9664944

00:06:27.710 --> 00:06:29.875 book about a polio epidemic
NOTE Confidence: 0.9664944

00:06:29.875 --> 00:06:30.995 in the nineteen forties. It's
NOTE Confidence: 0.9664944

00:06:30.995 --> 00:06:31.495 fiction,
NOTE Confidence: 0.9784091

00:06:31.875 --> 00:06:33.555 but it really captures the
NOTE Confidence: 0.9784091

00:06:33.555 --> 00:06:34.915 sort of the fear around
NOTE Confidence: 0.9784091

00:06:34.915 --> 00:06:35.735 this disease.
NOTE Confidence: 0.9890758

00:06:36.595 --> 00:06:37.475 And so just as a
NOTE Confidence: 0.9890758

00:06:37.475 --> 00:06:38.835 quick primer for anyone who's
NOTE Confidence: 0.9890758

00:06:38.915 --> 00:06:40.275 hasn't thought about polio at
NOTE Confidence: 0.9890758

00:06:40.275 --> 00:06:41.575 all, it is an enterovirus,
NOTE Confidence: 0.9648172

00:06:42.035 --> 00:06:43.895 meaning it's oral fecal transmission.
NOTE Confidence: 0.9819583

00:06:44.639 --> 00:06:45.600 And it's actually a lot

NOTE Confidence: 0.9819583
00:06:45.600 --> 00:06:47.199 like COVID in that most
NOTE Confidence: 0.9819583
00:06:47.199 --> 00:06:48.400 people who get exposed to
NOTE Confidence: 0.9819583
00:06:48.400 --> 00:06:49.759 it are asymptomatic and just
NOTE Confidence: 0.9819583
00:06:49.759 --> 00:06:50.580 pass it on.
NOTE Confidence: 0.9852271
00:06:51.120 --> 00:06:52.479 But for a small portion,
NOTE Confidence: 0.9852271
00:06:52.479 --> 00:06:53.120 they get a lot of
NOTE Confidence: 0.9852271
00:06:53.120 --> 00:06:54.639 those sort of nonspecific symptoms
NOTE Confidence: 0.9852271
00:06:54.639 --> 00:06:55.759 of illness there on the
NOTE Confidence: 0.9852271
00:06:55.759 --> 00:06:57.279 left. And for a tiny
NOTE Confidence: 0.9852271
00:06:57.279 --> 00:06:58.560 portion of less than five
NOTE Confidence: 0.9852271
00:06:58.560 --> 00:06:59.060 percent,
NOTE Confidence: 0.9857668
00:06:59.404 --> 00:07:01.245 they will develop paralysis where
NOTE Confidence: 0.9857668
00:07:01.245 --> 00:07:02.604 the virus goes from the
NOTE Confidence: 0.9857668
00:07:02.604 --> 00:07:04.444 gut into the bloodstream and
NOTE Confidence: 0.9857668
00:07:04.444 --> 00:07:06.285 then attacks the nerves that
NOTE Confidence: 0.9857668

00:07:06.285 --> 00:07:06.785 control
NOTE Confidence: 0.96958596

00:07:07.245 --> 00:07:09.805 generally the muscles for walking,
NOTE Confidence: 0.96958596

00:07:09.805 --> 00:07:11.100 for moving arms and such.
NOTE Confidence: 0.96958596

00:07:11.260 --> 00:07:12.300 And so you would see
NOTE Confidence: 0.96958596

00:07:12.300 --> 00:07:14.140 pictures of children with braces
NOTE Confidence: 0.96958596

00:07:14.140 --> 00:07:15.760 and wheelchairs, things like that.
NOTE Confidence: 0.9170987

00:07:16.220 --> 00:07:18.000 But there was also paralysis
NOTE Confidence: 0.9170987

00:07:18.060 --> 00:07:20.080 that could affect people's breathing,
NOTE Confidence: 0.9170987

00:07:20.220 --> 00:07:21.900 respiratory paralysis. And this came
NOTE Confidence: 0.9170987

00:07:21.900 --> 00:07:22.720 in two forms.
NOTE Confidence: 0.9319683

00:07:23.180 --> 00:07:24.540 One was spinal where it
NOTE Confidence: 0.9319683

00:07:24.540 --> 00:07:25.815 just attacked the muscles that
NOTE Confidence: 0.9319683

00:07:25.815 --> 00:07:27.015 control the ability for you
NOTE Confidence: 0.9319683

00:07:27.015 --> 00:07:27.895 to take a breath in,
NOTE Confidence: 0.9319683

00:07:27.895 --> 00:07:28.695 you know, in the chest
NOTE Confidence: 0.9319683

00:07:28.695 --> 00:07:29.195 wall.

NOTE Confidence: 0.9161571
00:07:29.815 --> 00:07:30.855 And then also it was
NOTE Confidence: 0.9161571
00:07:30.855 --> 00:07:32.155 called bulbar polio.
NOTE Confidence: 0.93781126
00:07:32.615 --> 00:07:34.055 And bulbar polio was when
NOTE Confidence: 0.93781126
00:07:34.055 --> 00:07:35.175 it attacked the brain stem.
NOTE Confidence: 0.93781126
00:07:35.175 --> 00:07:36.775 And so people couldn't swallow
NOTE Confidence: 0.93781126
00:07:36.775 --> 00:07:37.815 or cough and they would
NOTE Confidence: 0.93781126
00:07:37.815 --> 00:07:39.355 literally drown in their secretions.
NOTE Confidence: 0.98894274
00:07:40.270 --> 00:07:41.710 And early in the twentieth
NOTE Confidence: 0.98894274
00:07:41.710 --> 00:07:43.630 century, both forms of respiratory
NOTE Confidence: 0.98894274
00:07:43.630 --> 00:07:45.550 paralysis from polio were equally
NOTE Confidence: 0.98894274
00:07:45.550 --> 00:07:47.570 deadly, about ninety percent mortality.
NOTE Confidence: 0.9269223
00:07:48.350 --> 00:07:49.390 And I'm gonna kind of
NOTE Confidence: 0.9269223
00:07:49.390 --> 00:07:50.590 fast forward a little bit
NOTE Confidence: 0.9269223
00:07:50.590 --> 00:07:51.950 through this story so I
NOTE Confidence: 0.9269223
00:07:51.950 --> 00:07:53.150 can actually talk about the
NOTE Confidence: 0.9269223

00:07:53.150 --> 00:07:54.190 kind of the the research
NOTE Confidence: 0.9269223

00:07:54.190 --> 00:07:55.170 and writing more.
NOTE Confidence: 0.9890445

00:07:55.625 --> 00:07:56.905 But this changed in nineteen
NOTE Confidence: 0.9890445

00:07:56.905 --> 00:07:58.664 twenty eight when the iron
NOTE Confidence: 0.9890445

00:07:58.664 --> 00:08:00.104 lung got invented. And it's
NOTE Confidence: 0.9890445

00:08:00.104 --> 00:08:01.965 actually this really seminal moment
NOTE Confidence: 0.9890445

00:08:02.185 --> 00:08:03.705 in kind of humanity in
NOTE Confidence: 0.9890445

00:08:03.705 --> 00:08:05.384 that this is the very
NOTE Confidence: 0.9890445

00:08:05.384 --> 00:08:08.104 first time that humans become
NOTE Confidence: 0.9890445

00:08:08.104 --> 00:08:08.604 dependent
NOTE Confidence: 0.9778669

00:08:08.905 --> 00:08:10.764 on machines for life,
NOTE Confidence: 0.99882865

00:08:11.130 --> 00:08:12.350 nineteen twenty eight.
NOTE Confidence: 0.9980531

00:08:12.650 --> 00:08:13.850 And in case you've never
NOTE Confidence: 0.9980531

00:08:13.850 --> 00:08:14.970 thought about the iron lung,
NOTE Confidence: 0.9980531

00:08:14.970 --> 00:08:16.650 it's what's called negative pressure
NOTE Confidence: 0.9980531

00:08:16.650 --> 00:08:17.150 ventilation.

NOTE Confidence: 0.98860353
00:08:17.610 --> 00:08:19.770 It seals someone in, and
NOTE Confidence: 0.98860353
00:08:19.770 --> 00:08:21.130 then they suck the air
NOTE Confidence: 0.98860353
00:08:21.130 --> 00:08:22.570 out of that giant tube,
NOTE Confidence: 0.98860353
00:08:22.570 --> 00:08:24.090 which causes the chest wall
NOTE Confidence: 0.98860353
00:08:24.090 --> 00:08:24.830 to expand.
NOTE Confidence: 0.9975598
00:08:25.290 --> 00:08:26.750 The air rushes in,
NOTE Confidence: 0.9563586
00:08:27.365 --> 00:08:28.324 into the lungs to take
NOTE Confidence: 0.9563586
00:08:28.324 --> 00:08:30.085 up that space, and someone
NOTE Confidence: 0.9563586
00:08:30.085 --> 00:08:31.285 takes a breath and then
NOTE Confidence: 0.9563586
00:08:31.285 --> 00:08:32.105 they exhale.
NOTE Confidence: 0.9988893
00:08:32.964 --> 00:08:33.464 Incredibly
NOTE Confidence: 0.97932756
00:08:33.845 --> 00:08:35.625 useful for spinal paralysis.
NOTE Confidence: 0.97987753
00:08:36.165 --> 00:08:37.285 But as you might imagine,
NOTE Confidence: 0.97987753
00:08:37.285 --> 00:08:38.645 if you've got secretions pulled
NOTE Confidence: 0.97987753
00:08:38.645 --> 00:08:39.285 in the back of your
NOTE Confidence: 0.97987753

00:08:39.285 --> 00:08:40.890 throat with bulbar polio and
NOTE Confidence: 0.97987753

00:08:40.970 --> 00:08:41.690 you get put in an
NOTE Confidence: 0.97987753

00:08:41.690 --> 00:08:42.650 iron lung, what does that
NOTE Confidence: 0.97987753

00:08:42.650 --> 00:08:43.929 do? It sucks those secretions
NOTE Confidence: 0.97987753

00:08:43.929 --> 00:08:45.370 down into your lungs. So
NOTE Confidence: 0.97987753

00:08:45.370 --> 00:08:46.510 you end up with pneumonia,
NOTE Confidence: 0.97987753

00:08:46.570 --> 00:08:47.710 you end up with,
NOTE Confidence: 0.99668247

00:08:48.170 --> 00:08:49.050 you know, kind of,
NOTE Confidence: 0.9952885

00:08:49.610 --> 00:08:51.370 blockages of your airways and
NOTE Confidence: 0.9952885

00:08:51.370 --> 00:08:52.490 people still died. So there
NOTE Confidence: 0.9952885

00:08:52.490 --> 00:08:53.950 was still a ninety percent
NOTE Confidence: 0.9952885

00:08:54.010 --> 00:08:54.510 mortality
NOTE Confidence: 0.9582152

00:08:55.074 --> 00:08:56.675 from bulbar polio, but this
NOTE Confidence: 0.9582152

00:08:56.675 --> 00:08:57.495 was revolutionary
NOTE Confidence: 0.99859226

00:08:58.115 --> 00:08:59.235 for caring for patients who
NOTE Confidence: 0.99859226

00:08:59.235 --> 00:09:00.375 had spinal paralysis.

NOTE Confidence: 0.9383123
00:09:02.035 --> 00:09:03.315 So the story that I
NOTE Confidence: 0.9383123
00:09:03.315 --> 00:09:04.755 ended up telling took place
NOTE Confidence: 0.9383123
00:09:04.755 --> 00:09:06.115 at the Blyde Am Hospital
NOTE Confidence: 0.9383123
00:09:06.115 --> 00:09:06.855 in Copenhagen
NOTE Confidence: 0.99224454
00:09:07.235 --> 00:09:08.355 in nineteen fifty two, and
NOTE Confidence: 0.99224454
00:09:08.355 --> 00:09:09.634 this was the infectious disease
NOTE Confidence: 0.99224454
00:09:09.634 --> 00:09:10.890 hospital for the city.
NOTE Confidence: 0.9592518
00:09:11.450 --> 00:09:12.730 And there in the hospital,
NOTE Confidence: 0.9592518
00:09:12.730 --> 00:09:14.010 a man named Henry Kai
NOTE Confidence: 0.9592518
00:09:14.010 --> 00:09:15.450 Alexander Lawson was the head
NOTE Confidence: 0.9592518
00:09:15.450 --> 00:09:16.270 of the hospital,
NOTE Confidence: 0.98129684
00:09:16.809 --> 00:09:17.610 and he was a world
NOTE Confidence: 0.98129684
00:09:17.610 --> 00:09:19.050 expert on polio even though
NOTE Confidence: 0.98129684
00:09:19.050 --> 00:09:20.410 they'd never had a major
NOTE Confidence: 0.98129684
00:09:20.410 --> 00:09:20.910 epidemic.
NOTE Confidence: 0.9937933

00:09:21.370 --> 00:09:22.809 And they had one iron
NOTE Confidence: 0.9937933

00:09:22.809 --> 00:09:24.330 lung and a few other
NOTE Confidence: 0.9937933

00:09:24.330 --> 00:09:24.975 sort of,
NOTE Confidence: 0.9131509

00:09:25.535 --> 00:09:26.815 kind of minimal support, something
NOTE Confidence: 0.9131509

00:09:26.815 --> 00:09:28.194 called a cuirass respirators.
NOTE Confidence: 0.98194945

00:09:29.214 --> 00:09:30.334 But that was all they
NOTE Confidence: 0.98194945

00:09:30.334 --> 00:09:32.255 really needed until July and
NOTE Confidence: 0.98194945

00:09:32.255 --> 00:09:34.115 August of nineteen fifty two
NOTE Confidence: 0.98194945

00:09:34.175 --> 00:09:35.454 when this started to happen.
NOTE Confidence: 0.98194945

00:09:35.454 --> 00:09:36.975 They started seeing fifty cases
NOTE Confidence: 0.98194945

00:09:36.975 --> 00:09:38.740 a day coming in, ten
NOTE Confidence: 0.98194945

00:09:38.740 --> 00:09:39.780 to twelve per day with
NOTE Confidence: 0.98194945

00:09:39.780 --> 00:09:41.400 respiratory failure, and, crucially,
NOTE Confidence: 0.9457567

00:09:42.180 --> 00:09:43.860 those were vast majority of
NOTE Confidence: 0.9457567

00:09:43.860 --> 00:09:45.080 them had bulbar polio.
NOTE Confidence: 0.98205715

00:09:45.540 --> 00:09:46.580 So they only had one

NOTE Confidence: 0.98205715

00:09:46.580 --> 00:09:48.580 iron lung. They kind of

NOTE Confidence: 0.98205715

00:09:48.580 --> 00:09:50.500 knew that having more iron

NOTE Confidence: 0.98205715

00:09:50.500 --> 00:09:51.780 lungs wouldn't help. They didn't

NOTE Confidence: 0.98205715

00:09:51.780 --> 00:09:52.820 have access to more iron

NOTE Confidence: 0.98205715

00:09:52.820 --> 00:09:53.985 lungs, so it didn't matter.

NOTE Confidence: 0.98205715

00:09:53.985 --> 00:09:55.505 But they also, without really

NOTE Confidence: 0.98205715

00:09:55.505 --> 00:09:57.425 understanding why, recognized that this

NOTE Confidence: 0.98205715

00:09:57.425 --> 00:09:59.105 wasn't something that would be

NOTE Confidence: 0.98205715

00:09:59.105 --> 00:10:00.545 fixed by having more iron

NOTE Confidence: 0.98205715

00:10:00.545 --> 00:10:01.985 lungs. And the other thing

NOTE Confidence: 0.98205715

00:10:01.985 --> 00:10:03.584 to know about this epidemic

NOTE Confidence: 0.98205715

00:10:03.584 --> 00:10:04.464 was that in the United

NOTE Confidence: 0.98205715

00:10:04.464 --> 00:10:06.225 States, polio was the summer

NOTE Confidence: 0.98205715

00:10:06.225 --> 00:10:07.265 plague. It peaked in July

NOTE Confidence: 0.98205715

00:10:07.265 --> 00:10:07.925 and August.

NOTE Confidence: 0.98679036

00:10:08.270 --> 00:10:10.190 In the Scandinavian countries further

NOTE Confidence: 0.98679036

00:10:10.190 --> 00:10:11.230 north, we don't really know

NOTE Confidence: 0.98679036

00:10:11.230 --> 00:10:12.450 why, but

NOTE Confidence: 0.96406454

00:10:12.830 --> 00:10:13.790 it tended to peak in

NOTE Confidence: 0.96406454

00:10:13.790 --> 00:10:15.150 the autumn. Hence, the title

NOTE Confidence: 0.96406454

00:10:15.150 --> 00:10:16.190 of my book, the autumn

NOTE Confidence: 0.96406454

00:10:16.190 --> 00:10:18.030 ghost, that one writer described

NOTE Confidence: 0.96406454

00:10:18.030 --> 00:10:18.990 it as in the nineteen

NOTE Confidence: 0.96406454

00:10:18.990 --> 00:10:19.490 forties.

NOTE Confidence: 0.96992457

00:10:19.790 --> 00:10:20.670 So they were in mid

NOTE Confidence: 0.96992457

00:10:20.670 --> 00:10:21.950 August, and they knew they

NOTE Confidence: 0.96992457

00:10:21.950 --> 00:10:22.830 weren't even at the peak

NOTE Confidence: 0.96992457

00:10:22.830 --> 00:10:23.965 of their epidemic, and they

NOTE Confidence: 0.96992457

00:10:23.965 --> 00:10:25.245 were at their wits end

NOTE Confidence: 0.96992457

00:10:25.245 --> 00:10:26.385 as to what to do.

NOTE Confidence: 0.9952225

00:10:27.085 --> 00:10:28.465 And they ultimately

NOTE Confidence: 0.9702842
00:10:29.325 --> 00:10:31.885 invited in this man, Bjorn
NOTE Confidence: 0.9702842
00:10:31.885 --> 00:10:33.025 Ibsen, an anesthesiologist
NOTE Confidence: 0.99626744
00:10:33.804 --> 00:10:34.545 in Denmark,
NOTE Confidence: 0.90193546
00:10:35.005 --> 00:10:35.825 in Copenhagen,
NOTE Confidence: 0.99963814
00:10:36.445 --> 00:10:38.205 to come and see what
NOTE Confidence: 0.99963814
00:10:38.205 --> 00:10:39.425 he had to offer.
NOTE Confidence: 0.9986061
00:10:39.750 --> 00:10:41.770 Now there were five anesthesiologists
NOTE Confidence: 0.9409704
00:10:42.230 --> 00:10:43.670 in all of Copenhagen at
NOTE Confidence: 0.9409704
00:10:43.670 --> 00:10:45.670 that time. The specialty barely
NOTE Confidence: 0.9409704
00:10:45.670 --> 00:10:46.170 existed.
NOTE Confidence: 0.991476
00:10:46.550 --> 00:10:47.929 And so he really,
NOTE Confidence: 0.99571455
00:10:49.270 --> 00:10:50.309 you know, he they didn't
NOTE Confidence: 0.99571455
00:10:50.309 --> 00:10:51.350 know what he would offer
NOTE Confidence: 0.99571455
00:10:51.350 --> 00:10:52.390 or what he might suggest.
NOTE Confidence: 0.99571455
00:10:52.390 --> 00:10:53.190 They just knew he was
NOTE Confidence: 0.99571455

00:10:53.190 --> 00:10:54.535 a very smart man. And
NOTE Confidence: 0.99571455

00:10:54.535 --> 00:10:55.975 what he suggested was what
NOTE Confidence: 0.99571455

00:10:55.975 --> 00:10:57.275 they used in the operating
NOTE Confidence: 0.99571455

00:10:57.335 --> 00:10:59.434 room to give patients ventilatory
NOTE Confidence: 0.97914237

00:10:59.815 --> 00:11:00.934 support, which was called the
NOTE Confidence: 0.97914237

00:11:00.934 --> 00:11:02.554 waters to and fro circuit,
NOTE Confidence: 0.9982596

00:11:03.175 --> 00:11:04.615 which was basically a bag
NOTE Confidence: 0.9982596

00:11:04.615 --> 00:11:06.054 to squeeze air into the
NOTE Confidence: 0.9982596

00:11:06.054 --> 00:11:06.554 lungs,
NOTE Confidence: 0.99929947

00:11:06.855 --> 00:11:07.595 a tracheostomy
NOTE Confidence: 0.9965074

00:11:08.650 --> 00:11:09.690 to have a place to
NOTE Confidence: 0.9965074

00:11:09.690 --> 00:11:10.570 get the air into the
NOTE Confidence: 0.9965074

00:11:10.570 --> 00:11:12.250 lungs, and then an oxygen
NOTE Confidence: 0.9965074

00:11:12.250 --> 00:11:13.610 tank and soda lime that
NOTE Confidence: 0.9965074

00:11:13.610 --> 00:11:15.070 would extract carbon dioxide.
NOTE Confidence: 0.9826755

00:11:16.250 --> 00:11:17.770 This doesn't sound too radical

NOTE Confidence: 0.9826755

00:11:17.770 --> 00:11:19.210 to us now because we

NOTE Confidence: 0.9826755

00:11:19.210 --> 00:11:20.890 give what's called positive pressure

NOTE Confidence: 0.9826755

00:11:20.890 --> 00:11:22.570 ventilation. Right? Squeezing air into

NOTE Confidence: 0.9826755

00:11:22.570 --> 00:11:23.870 the lungs all the time.

NOTE Confidence: 0.98585993

00:11:24.375 --> 00:11:25.415 But at the time, it

NOTE Confidence: 0.98585993

00:11:25.415 --> 00:11:26.615 was not used outside of

NOTE Confidence: 0.98585993

00:11:26.615 --> 00:11:28.215 the operating room pretty much

NOTE Confidence: 0.98585993

00:11:28.215 --> 00:11:29.355 anywhere in the world.

NOTE Confidence: 0.9523316

00:11:29.975 --> 00:11:31.415 So he described doing this

NOTE Confidence: 0.9523316

00:11:31.415 --> 00:11:32.375 to the doctors at the

NOTE Confidence: 0.9523316

00:11:32.375 --> 00:11:33.655 BlytheM, and that this was

NOTE Confidence: 0.9523316

00:11:33.655 --> 00:11:34.695 a way to keep their

NOTE Confidence: 0.9523316

00:11:34.695 --> 00:11:35.975 patients alive, and they were

NOTE Confidence: 0.9523316

00:11:35.975 --> 00:11:36.955 completely skeptical.

NOTE Confidence: 0.97531927

00:11:37.910 --> 00:11:39.209 But they said, okay.

NOTE Confidence: 0.98773205

00:11:39.589 --> 00:11:40.709 You can try this on
NOTE Confidence: 0.98773205

00:11:40.709 --> 00:11:41.449 one patient,
NOTE Confidence: 0.9877245

00:11:41.910 --> 00:11:43.190 and we'll choose that patient
NOTE Confidence: 0.9877245

00:11:43.190 --> 00:11:44.389 for you. And so the
NOTE Confidence: 0.9877245

00:11:44.389 --> 00:11:45.829 next day, which was August
NOTE Confidence: 0.9877245

00:11:45.829 --> 00:11:47.769 twenty six nineteen fifty two,
NOTE Confidence: 0.9637559

00:11:48.149 --> 00:11:49.029 a little girl by the
NOTE Confidence: 0.9637559

00:11:49.029 --> 00:11:50.149 name of Vivi Ebert was
NOTE Confidence: 0.9637559

00:11:50.149 --> 00:11:51.495 admitted to that hospital. And
NOTE Confidence: 0.9637559

00:11:51.495 --> 00:11:52.375 this is the house she
NOTE Confidence: 0.9637559

00:11:52.375 --> 00:11:53.355 grew up in Copenhagen.
NOTE Confidence: 0.92862666

00:11:54.215 --> 00:11:55.335 She's about nine in this
NOTE Confidence: 0.92862666

00:11:55.335 --> 00:11:56.375 photo and she was twelve
NOTE Confidence: 0.92862666

00:11:56.375 --> 00:11:57.575 at the time and she
NOTE Confidence: 0.92862666

00:11:57.575 --> 00:11:59.655 had Bolbar polio classic Bolbar
NOTE Confidence: 0.92862666

00:11:59.655 --> 00:12:00.155 polio,

NOTE Confidence: 0.9842433

00:12:01.095 --> 00:12:02.775 ninety percent mortality. Right? So

NOTE Confidence: 0.9842433

00:12:02.775 --> 00:12:03.895 they knew the doctors and

NOTE Confidence: 0.9842433

00:12:03.895 --> 00:12:04.934 nurses who admitted her to

NOTE Confidence: 0.9842433

00:12:04.934 --> 00:12:06.309 the hospital that day knew

NOTE Confidence: 0.9842433

00:12:06.309 --> 00:12:07.110 that she was going to

NOTE Confidence: 0.9842433

00:12:07.110 --> 00:12:07.610 die.

NOTE Confidence: 0.9842581

00:12:08.149 --> 00:12:10.069 The next morning, Henry Lawson

NOTE Confidence: 0.9842581

00:12:10.069 --> 00:12:11.589 and his team rounded on

NOTE Confidence: 0.9842581

00:12:11.589 --> 00:12:12.870 her, and she was already

NOTE Confidence: 0.9842581

00:12:12.870 --> 00:12:14.149 clearly at the end of

NOTE Confidence: 0.9842581

00:12:14.149 --> 00:12:15.670 her life. And so he

NOTE Confidence: 0.9842581

00:12:15.670 --> 00:12:16.949 pointed to her and said,

NOTE Confidence: 0.9842581

00:12:16.949 --> 00:12:18.149 her she's the one you

NOTE Confidence: 0.9842581

00:12:18.149 --> 00:12:19.290 can try this on.

NOTE Confidence: 0.995431

00:12:19.670 --> 00:12:21.190 And so Ibsen was called

NOTE Confidence: 0.995431

00:12:21.190 --> 00:12:21.690 in.
NOTE Confidence: 0.99981004

00:12:22.035 --> 00:12:22.934 They did a tracheostomy
NOTE Confidence: 0.9852109

00:12:23.394 --> 00:12:25.075 on her, and there's lots
NOTE Confidence: 0.9852109

00:12:25.075 --> 00:12:26.274 of details that I'm gonna
NOTE Confidence: 0.9852109

00:12:26.274 --> 00:12:27.014 skip over.
NOTE Confidence: 0.9890897

00:12:27.475 --> 00:12:29.394 But, basically, he demonstrated that
NOTE Confidence: 0.9890897

00:12:29.394 --> 00:12:31.235 he could rescue her from
NOTE Confidence: 0.9890897

00:12:31.235 --> 00:12:31.735 death
NOTE Confidence: 0.855018

00:12:32.195 --> 00:12:34.774 and stabilize her and overnight
NOTE Confidence: 0.99651676

00:12:35.075 --> 00:12:37.110 hand ventilated her through that
NOTE Confidence: 0.99651676

00:12:37.110 --> 00:12:39.190 night to show everybody that
NOTE Confidence: 0.99651676

00:12:39.190 --> 00:12:40.330 he could keep her alive.
NOTE Confidence: 0.97922856

00:12:40.870 --> 00:12:42.309 Now Henry Lawson recognized a
NOTE Confidence: 0.97922856

00:12:42.309 --> 00:12:43.190 good thing when he saw
NOTE Confidence: 0.97922856

00:12:43.190 --> 00:12:43.990 it, and he said, right.
NOTE Confidence: 0.97922856

00:12:43.990 --> 00:12:44.870 We're gonna do this to

NOTE Confidence: 0.97922856

00:12:44.870 --> 00:12:47.130 everybody who's having respiratory failure.

NOTE Confidence: 0.97922856

00:12:47.270 --> 00:12:48.710 There's only one problem now.

NOTE Confidence: 0.97922856

00:12:48.710 --> 00:12:49.690 If you do a tracheostomy

NOTE Confidence: 0.97922856

00:12:49.910 --> 00:12:51.030 on someone and you want

NOTE Confidence: 0.97922856

00:12:51.030 --> 00:12:52.365 to give them ventilatory support,

NOTE Confidence: 0.97922856

00:12:52.365 --> 00:12:53.005 what do you do? You

NOTE Confidence: 0.97922856

00:12:53.005 --> 00:12:54.045 roll in a ventilator, you

NOTE Confidence: 0.97922856

00:12:54.045 --> 00:12:55.324 flick a switch, you hook

NOTE Confidence: 0.97922856

00:12:55.324 --> 00:12:56.785 them up, you walk away.

NOTE Confidence: 0.9954221

00:12:57.485 --> 00:12:58.845 There were no ventilators in

NOTE Confidence: 0.9954221

00:12:58.845 --> 00:13:00.204 the entire country of Denmark.

NOTE Confidence: 0.9954221

00:13:00.204 --> 00:13:01.505 Not a single one existed.

NOTE Confidence: 0.9954221

00:13:01.725 --> 00:13:02.464 So instead,

NOTE Confidence: 0.990741

00:13:03.165 --> 00:13:04.204 they called on the medical

NOTE Confidence: 0.990741

00:13:04.204 --> 00:13:05.699 students of Copenhagen to come

NOTE Confidence: 0.990741

00:13:05.699 --> 00:13:07.300 sit at the bedside, and
NOTE Confidence: 0.990741

00:13:07.300 --> 00:13:08.439 they hand ventilated
NOTE Confidence: 0.9993492

00:13:08.819 --> 00:13:09.879 all of these patients
NOTE Confidence: 0.9931478

00:13:10.500 --> 00:13:12.179 twenty four hours a day
NOTE Confidence: 0.9931478

00:13:12.179 --> 00:13:13.300 for weeks and months on
NOTE Confidence: 0.9931478

00:13:13.300 --> 00:13:13.800 end.
NOTE Confidence: 0.94748366

00:13:14.420 --> 00:13:15.459 Initially, it was a couple
NOTE Confidence: 0.94748366

00:13:15.459 --> 00:13:17.059 dozen medical students and then
NOTE Confidence: 0.94748366

00:13:17.059 --> 00:13:19.319 hundreds and ultimately twelve hundred
NOTE Confidence: 0.97559935

00:13:19.675 --> 00:13:21.195 medical and dental students took
NOTE Confidence: 0.97559935

00:13:21.195 --> 00:13:21.915 part in the care of
NOTE Confidence: 0.97559935

00:13:21.915 --> 00:13:23.195 these patients. And they did
NOTE Confidence: 0.97559935

00:13:23.195 --> 00:13:24.815 this for hundreds of patients.
NOTE Confidence: 0.97559935

00:13:24.875 --> 00:13:25.755 And this is in fact
NOTE Confidence: 0.97559935

00:13:25.755 --> 00:13:27.115 a picture of Vivi Ebert
NOTE Confidence: 0.97559935

00:13:27.115 --> 00:13:28.554 after she was stabilized with

NOTE Confidence: 0.97559935

00:13:28.554 --> 00:13:29.915 her mother reading to her.

NOTE Confidence: 0.97559935

00:13:30.075 --> 00:13:31.434 And remember, polio patients were

NOTE Confidence: 0.97559935

00:13:31.434 --> 00:13:32.554 awake. They didn't have anything

NOTE Confidence: 0.97559935

00:13:32.554 --> 00:13:33.615 wrong with their brain.

NOTE Confidence: 0.99620634

00:13:34.090 --> 00:13:35.130 And so once she was

NOTE Confidence: 0.99620634

00:13:35.130 --> 00:13:35.630 stabilized,

NOTE Confidence: 0.994568

00:13:36.170 --> 00:13:37.470 she was awake and alert.

NOTE Confidence: 0.98591095

00:13:38.250 --> 00:13:39.770 So this, this is the

NOTE Confidence: 0.98591095

00:13:39.770 --> 00:13:42.190 origins of modern mechanical ventilation

NOTE Confidence: 0.98591095

00:13:42.490 --> 00:13:43.530 as we did in COVID

NOTE Confidence: 0.98591095

00:13:43.530 --> 00:13:44.650 nineteen, as we do every

NOTE Confidence: 0.98591095

00:13:44.650 --> 00:13:46.155 day in intensive care units.

NOTE Confidence: 0.98591095

00:13:46.395 --> 00:13:47.435 And this is really the

NOTE Confidence: 0.98591095

00:13:47.435 --> 00:13:49.195 origins of people beginning to

NOTE Confidence: 0.98591095

00:13:49.195 --> 00:13:50.795 create what we consider modern

NOTE Confidence: 0.98591095

00:13:50.795 --> 00:13:51.775 intensive care.
NOTE Confidence: 0.964336

00:13:52.395 --> 00:13:53.435 So that's the story you
NOTE Confidence: 0.964336

00:13:53.435 --> 00:13:55.035 can understand is very kind
NOTE Confidence: 0.964336

00:13:55.035 --> 00:13:57.295 of dramatic, vivid imagery.
NOTE Confidence: 0.9659062

00:13:58.155 --> 00:13:59.000 And I wanna share share
NOTE Confidence: 0.9659062

00:13:59.000 --> 00:13:59.959 with you some of the
NOTE Confidence: 0.9659062

00:13:59.959 --> 00:14:01.480 interesting challenges along the way
NOTE Confidence: 0.9659062

00:14:01.480 --> 00:14:02.920 of doing the research to
NOTE Confidence: 0.9659062

00:14:02.920 --> 00:14:03.980 tell this story.
NOTE Confidence: 0.997696

00:14:04.440 --> 00:14:05.800 And a big one that
NOTE Confidence: 0.997696

00:14:05.800 --> 00:14:07.820 came up was around privacy
NOTE Confidence: 0.997696

00:14:07.880 --> 00:14:09.160 and rights of,
NOTE Confidence: 0.99771756

00:14:09.959 --> 00:14:11.399 for, for kind of photos
NOTE Confidence: 0.99771756

00:14:11.399 --> 00:14:12.059 and things.
NOTE Confidence: 0.9987827

00:14:12.519 --> 00:14:13.019 So
NOTE Confidence: 0.98550355

00:14:13.644 --> 00:14:14.925 early on, I realized, well,

NOTE Confidence: 0.98550355

00:14:14.925 --> 00:14:16.524 I'm interested in positive pressure

NOTE Confidence: 0.98550355

00:14:16.524 --> 00:14:17.885 ventilation. That's the nineteen fifty

NOTE Confidence: 0.98550355

00:14:17.885 --> 00:14:19.245 two epidemic, and that's the

NOTE Confidence: 0.98550355

00:14:19.245 --> 00:14:19.964 kind of big,

NOTE Confidence: 0.96748126

00:14:20.685 --> 00:14:21.885 big thing that I'm excited

NOTE Confidence: 0.96748126

00:14:21.885 --> 00:14:23.084 about. But actually, I've gotta

NOTE Confidence: 0.96748126

00:14:23.084 --> 00:14:23.805 go back and learn about

NOTE Confidence: 0.96748126

00:14:23.805 --> 00:14:25.245 the iron lung first because

NOTE Confidence: 0.96748126

00:14:25.245 --> 00:14:26.225 that came before,

NOTE Confidence: 0.99926406

00:14:26.685 --> 00:14:27.904 positive pressure ventilation.

NOTE Confidence: 0.916213

00:14:28.610 --> 00:14:29.730 And as I mentioned, that

NOTE Confidence: 0.916213

00:14:29.730 --> 00:14:31.570 was nineteen twenty eight, professor

NOTE Confidence: 0.916213

00:14:31.570 --> 00:14:32.930 Philip Drinker. He is here.

NOTE Confidence: 0.916213

00:14:32.930 --> 00:14:34.450 He actually saw his colleague,

NOTE Confidence: 0.916213

00:14:34.450 --> 00:14:36.450 Louis Agassiz Shaw, doing experiments

NOTE Confidence: 0.916213

00:14:36.450 --> 00:14:37.190 with a cat,
NOTE Confidence: 0.9847934

00:14:37.810 --> 00:14:39.410 that had been sealed into
NOTE Confidence: 0.9847934

00:14:39.410 --> 00:14:40.770 this little box, and they
NOTE Confidence: 0.9847934

00:14:40.770 --> 00:14:42.130 were using this plunger to
NOTE Confidence: 0.9847934

00:14:42.130 --> 00:14:43.490 suck air out of the
NOTE Confidence: 0.9847934

00:14:43.490 --> 00:14:43.815 box.
NOTE Confidence: 0.99435204

00:14:44.375 --> 00:14:45.575 They were trying to actually
NOTE Confidence: 0.99435204

00:14:45.575 --> 00:14:47.095 determine whether or not cats
NOTE Confidence: 0.99435204

00:14:47.095 --> 00:14:48.555 could breathe through their skin.
NOTE Confidence: 0.9824488

00:14:48.935 --> 00:14:50.375 So they were sampling the
NOTE Confidence: 0.9824488

00:14:50.375 --> 00:14:51.575 air in that box after
NOTE Confidence: 0.9824488

00:14:51.575 --> 00:14:52.615 they sort of use this
NOTE Confidence: 0.9824488

00:14:52.615 --> 00:14:53.655 plunger to suck air out
NOTE Confidence: 0.9824488

00:14:53.655 --> 00:14:54.535 and push it back in
NOTE Confidence: 0.9824488

00:14:54.535 --> 00:14:55.815 a few times. And they
NOTE Confidence: 0.9824488

00:14:55.815 --> 00:14:56.855 published a paper in nineteen

NOTE Confidence: 0.9824488
00:14:56.855 --> 00:14:57.815 twenty eight that said, by
NOTE Confidence: 0.9824488
00:14:57.815 --> 00:14:59.200 the way, mammals do not
NOTE Confidence: 0.9824488
00:14:59.200 --> 00:15:00.340 breathe through their skin,
NOTE Confidence: 0.99484557
00:15:00.880 --> 00:15:02.100 in case you were wondering.
NOTE Confidence: 0.99484557
00:15:02.320 --> 00:15:02.640 But,
NOTE Confidence: 0.981826
00:15:03.280 --> 00:15:04.720 you know, in his so
NOTE Confidence: 0.981826
00:15:04.720 --> 00:15:06.320 he he he did this
NOTE Confidence: 0.981826
00:15:06.320 --> 00:15:07.440 with this cat, and then
NOTE Confidence: 0.981826
00:15:07.440 --> 00:15:08.720 he realized, okay, we can
NOTE Confidence: 0.981826
00:15:08.720 --> 00:15:09.760 expand this to do this
NOTE Confidence: 0.981826
00:15:09.760 --> 00:15:11.920 to humans, and he builds
NOTE Confidence: 0.981826
00:15:11.920 --> 00:15:13.140 the first iron lung.
NOTE Confidence: 0.99945426
00:15:13.635 --> 00:15:14.995 And there's a case report
NOTE Confidence: 0.99945426
00:15:14.995 --> 00:15:16.435 that he publishes the next
NOTE Confidence: 0.99945426
00:15:16.435 --> 00:15:16.935 year
NOTE Confidence: 0.94304895

00:15:17.395 --> 00:15:18.675 about the first little girl
NOTE Confidence: 0.94304895

00:15:18.675 --> 00:15:19.795 they tried it on in
NOTE Confidence: 0.94304895

00:15:19.795 --> 00:15:21.235 Boston Children's Hospital, and it
NOTE Confidence: 0.94304895

00:15:21.235 --> 00:15:22.595 was BR, a girl aged
NOTE Confidence: 0.94304895

00:15:22.595 --> 00:15:23.475 eight years, was admitted to
NOTE Confidence: 0.94304895

00:15:23.475 --> 00:15:24.915 the Children's Hospital of Boston,
NOTE Confidence: 0.94304895

00:15:24.915 --> 00:15:26.855 October twelfth nineteen twenty eight.
NOTE Confidence: 0.9481706

00:15:27.500 --> 00:15:28.460 And I was looking through
NOTE Confidence: 0.9481706

00:15:28.460 --> 00:15:29.740 all the literature, reading all
NOTE Confidence: 0.9481706

00:15:29.740 --> 00:15:31.440 the the reports and accounts,
NOTE Confidence: 0.9481706

00:15:31.580 --> 00:15:33.180 and it was, you know,
NOTE Confidence: 0.9481706

00:15:33.180 --> 00:15:34.320 she was never named.
NOTE Confidence: 0.9528269

00:15:34.700 --> 00:15:35.660 And there was no other
NOTE Confidence: 0.9528269

00:15:35.660 --> 00:15:37.660 information about her beyond these
NOTE Confidence: 0.9528269

00:15:37.660 --> 00:15:39.520 descriptions sort of very clinical.
NOTE Confidence: 0.9958739

00:15:40.265 --> 00:15:41.645 And I thought, you know,

NOTE Confidence: 0.9874238
00:15:42.105 --> 00:15:43.065 it's nice to have a
NOTE Confidence: 0.9874238
00:15:43.065 --> 00:15:44.105 name and to know who
NOTE Confidence: 0.9874238
00:15:44.105 --> 00:15:45.705 somebody is. Right? You know,
NOTE Confidence: 0.9874238
00:15:45.705 --> 00:15:47.305 that that's important to us
NOTE Confidence: 0.9874238
00:15:47.305 --> 00:15:48.425 as people. We talk about
NOTE Confidence: 0.9874238
00:15:48.425 --> 00:15:49.545 that now in the hospital
NOTE Confidence: 0.9874238
00:15:49.545 --> 00:15:50.345 all the time of, you
NOTE Confidence: 0.9874238
00:15:50.345 --> 00:15:51.805 know, don't don't call people,
NOTE Confidence: 0.98500663
00:15:52.745 --> 00:15:54.345 by sort of patient x
NOTE Confidence: 0.98500663
00:15:54.345 --> 00:15:55.785 that they actually have a
NOTE Confidence: 0.98500663
00:15:55.785 --> 00:15:57.440 name. And so I emailed
NOTE Confidence: 0.98500663
00:15:57.440 --> 00:15:58.740 Boston Children's Hospital,
NOTE Confidence: 0.9364589
00:15:59.120 --> 00:16:00.319 filled out the request form.
NOTE Confidence: 0.9364589
00:16:00.319 --> 00:16:01.360 Would they be willing based
NOTE Confidence: 0.9364589
00:16:01.360 --> 00:16:02.639 on this information? Could they
NOTE Confidence: 0.9364589

00:16:02.639 --> 00:16:03.860 find who this was?
NOTE Confidence: 0.9741989

00:16:04.399 --> 00:16:05.040 And I had to wait
NOTE Confidence: 0.9741989

00:16:05.040 --> 00:16:06.079 a long time. It was
NOTE Confidence: 0.9741989

00:16:06.079 --> 00:16:07.199 COVID. People weren't in the
NOTE Confidence: 0.9741989

00:16:07.199 --> 00:16:08.480 office. And then finally got
NOTE Confidence: 0.9741989

00:16:08.480 --> 00:16:09.360 an email back. I have
NOTE Confidence: 0.9741989

00:16:09.360 --> 00:16:10.245 good news. I found the
NOTE Confidence: 0.9741989

00:16:10.245 --> 00:16:11.685 patient's admission record from the
NOTE Confidence: 0.9741989

00:16:11.685 --> 00:16:12.985 nineteen twenty eight logbook,
NOTE Confidence: 0.9655141

00:16:13.845 --> 00:16:14.965 and they shared it with
NOTE Confidence: 0.9655141

00:16:14.965 --> 00:16:16.265 me. And there it is,
NOTE Confidence: 0.9655141

00:16:16.485 --> 00:16:18.325 Bertha Richard. For the first
NOTE Confidence: 0.9655141

00:16:18.325 --> 00:16:19.845 time in almost a hundred
NOTE Confidence: 0.9655141

00:16:19.845 --> 00:16:21.385 years, she has a name.
NOTE Confidence: 0.98466855

00:16:21.845 --> 00:16:22.965 And it gave goes on
NOTE Confidence: 0.98466855

00:16:22.965 --> 00:16:23.765 to give me the name

NOTE Confidence: 0.98466855

00:16:23.765 --> 00:16:25.259 of her parents that she

NOTE Confidence: 0.98466855

00:16:25.259 --> 00:16:27.259 had acute pulomyelitis. And although

NOTE Confidence: 0.98466855

00:16:27.259 --> 00:16:28.620 they considered it a success

NOTE Confidence: 0.98466855

00:16:28.620 --> 00:16:29.579 treating her with the iron

NOTE Confidence: 0.98466855

00:16:29.579 --> 00:16:30.459 lung, in fact, she did

NOTE Confidence: 0.98466855

00:16:30.459 --> 00:16:32.060 die five days later on

NOTE Confidence: 0.98466855

00:16:32.060 --> 00:16:33.660 October nineteenth. And so based

NOTE Confidence: 0.98466855

00:16:33.660 --> 00:16:34.480 on this information,

NOTE Confidence: 0.9824921

00:16:34.940 --> 00:16:35.820 I was able to get

NOTE Confidence: 0.9824921

00:16:35.820 --> 00:16:36.860 a copy of her death

NOTE Confidence: 0.9824921

00:16:36.860 --> 00:16:38.079 certificate as well,

NOTE Confidence: 0.9837802

00:16:38.495 --> 00:16:40.015 and begin to kind of,

NOTE Confidence: 0.9837802

00:16:40.015 --> 00:16:41.315 you know, give her,

NOTE Confidence: 0.9975624

00:16:41.695 --> 00:16:42.575 give her a little bit

NOTE Confidence: 0.9975624

00:16:42.575 --> 00:16:43.955 of life in a sense.

NOTE Confidence: 0.9730688

00:16:45.055 --> 00:16:46.175 I wanted though to know
NOTE Confidence: 0.9730688

00:16:46.175 --> 00:16:47.295 more, right, as much as
NOTE Confidence: 0.9730688

00:16:47.295 --> 00:16:48.675 I could for this book.
NOTE Confidence: 0.9730688

00:16:48.815 --> 00:16:50.095 And so I wanted her
NOTE Confidence: 0.9730688

00:16:50.095 --> 00:16:51.135 full medical record if I
NOTE Confidence: 0.9730688

00:16:51.135 --> 00:16:52.255 could get it. And so
NOTE Confidence: 0.9730688

00:16:52.255 --> 00:16:53.340 I put in a request
NOTE Confidence: 0.9730688

00:16:53.420 --> 00:16:54.860 and, no, this is ninety
NOTE Confidence: 0.9730688

00:16:54.860 --> 00:16:56.240 two years after she's died.
NOTE Confidence: 0.98174405

00:16:56.620 --> 00:16:57.580 And I get a response,
NOTE Confidence: 0.98174405

00:16:57.580 --> 00:16:58.780 we are unable to fulfill
NOTE Confidence: 0.98174405

00:16:58.780 --> 00:17:00.320 your request for medical records.
NOTE Confidence: 0.98174405

00:17:00.540 --> 00:17:01.420 And it goes on to
NOTE Confidence: 0.98174405

00:17:01.420 --> 00:17:02.540 say, because I'm not a
NOTE Confidence: 0.98174405

00:17:02.540 --> 00:17:03.520 family member,
NOTE Confidence: 0.9939585

00:17:04.380 --> 00:17:05.820 they are denying my request

NOTE Confidence: 0.9939585

00:17:05.820 --> 00:17:07.180 for this. Now just so

NOTE Confidence: 0.9939585

00:17:07.180 --> 00:17:08.720 you know, HIPAA says

NOTE Confidence: 0.96770513

00:17:09.475 --> 00:17:11.734 fifty years after someone's died

NOTE Confidence: 0.96770513

00:17:12.034 --> 00:17:13.475 that that record can become

NOTE Confidence: 0.96770513

00:17:13.475 --> 00:17:13.975 public.

NOTE Confidence: 0.9709021

00:17:14.514 --> 00:17:16.115 Boston Children's Hospital said we

NOTE Confidence: 0.9709021

00:17:16.115 --> 00:17:17.394 don't care about HIPAA. We

NOTE Confidence: 0.9709021

00:17:17.394 --> 00:17:18.994 have our own rules, and,

NOTE Confidence: 0.9709021

00:17:18.994 --> 00:17:19.955 no, you can't have this

NOTE Confidence: 0.9709021

00:17:19.955 --> 00:17:20.855 medical record.

NOTE Confidence: 0.9693294

00:17:22.679 --> 00:17:23.879 I feel very mixed about

NOTE Confidence: 0.9693294

00:17:23.879 --> 00:17:25.500 that. Right? Because I understand

NOTE Confidence: 0.9693294

00:17:25.639 --> 00:17:27.559 certainly protecting people's privacy, but

NOTE Confidence: 0.9693294

00:17:27.559 --> 00:17:28.779 at a certain point,

NOTE Confidence: 0.99516433

00:17:29.159 --> 00:17:30.200 there's so much we can

NOTE Confidence: 0.99516433

00:17:30.200 --> 00:17:32.200 learn from knowing about the
NOTE Confidence: 0.99516433

00:17:32.200 --> 00:17:34.359 details of people like this
NOTE Confidence: 0.99516433

00:17:34.359 --> 00:17:36.119 who really contributed to medical
NOTE Confidence: 0.99516433

00:17:36.119 --> 00:17:37.480 history in ways that are
NOTE Confidence: 0.99516433

00:17:37.480 --> 00:17:37.980 meaningful.
NOTE Confidence: 0.9724336

00:17:38.365 --> 00:17:39.164 And I would argue that
NOTE Confidence: 0.9724336

00:17:39.164 --> 00:17:41.085 ninety two years later, nobody
NOTE Confidence: 0.9724336

00:17:41.085 --> 00:17:42.765 cares about the privacy issue.
NOTE Confidence: 0.9724336

00:17:42.765 --> 00:17:43.744 So perseverance,
NOTE Confidence: 0.97520715

00:17:44.524 --> 00:17:45.725 I happen to know Peter
NOTE Confidence: 0.97520715

00:17:45.725 --> 00:17:47.005 Lawson, who was the executive
NOTE Confidence: 0.97520715

00:17:47.005 --> 00:17:48.365 vice president for health affairs.
NOTE Confidence: 0.97520715

00:17:48.365 --> 00:17:49.404 He was an intensive care
NOTE Confidence: 0.97520715

00:17:49.404 --> 00:17:50.524 doctor up in Toronto for
NOTE Confidence: 0.97520715

00:17:50.524 --> 00:17:51.885 a while. I emailed him
NOTE Confidence: 0.97520715

00:17:51.885 --> 00:17:52.765 and said, hey, Peter, can

NOTE Confidence: 0.97520715

00:17:52.765 --> 00:17:54.240 you help me? He sent

NOTE Confidence: 0.97520715

00:17:54.240 --> 00:17:55.380 me to an anesthesiologist

NOTE Confidence: 0.95921326

00:17:55.760 --> 00:17:56.640 who happened to be also

NOTE Confidence: 0.95921326

00:17:56.640 --> 00:17:58.320 a medical historian at Boston

NOTE Confidence: 0.95921326

00:17:58.320 --> 00:18:00.180 Children's, and he's basically said,

NOTE Confidence: 0.95921326

00:18:00.400 --> 00:18:01.520 sorry. I can't help you.

NOTE Confidence: 0.95921326

00:18:01.520 --> 00:18:02.660 Back to Peter Lawson.

NOTE Confidence: 0.9541941

00:18:03.359 --> 00:18:05.520 Onto Michelle Garvin, the VP

NOTE Confidence: 0.9541941

00:18:05.520 --> 00:18:06.580 for general counsel,

NOTE Confidence: 0.9722912

00:18:07.625 --> 00:18:08.665 passed on to the lead

NOTE Confidence: 0.9722912

00:18:08.665 --> 00:18:10.505 general counsel for Boston Children's

NOTE Confidence: 0.9722912

00:18:10.505 --> 00:18:11.785 Hospital, passed on to the

NOTE Confidence: 0.9722912

00:18:11.785 --> 00:18:13.465 vice president and chief compliance

NOTE Confidence: 0.9722912

00:18:13.465 --> 00:18:14.345 officer who was sort of

NOTE Confidence: 0.9722912

00:18:14.345 --> 00:18:15.065 like, yeah, I don't know

NOTE Confidence: 0.9722912

00:18:15.065 --> 00:18:15.865 what the big deal is.
NOTE Confidence: 0.9722912

00:18:15.865 --> 00:18:16.744 Of course, you can see
NOTE Confidence: 0.9722912

00:18:16.744 --> 00:18:19.145 this record, and authorized me
NOTE Confidence: 0.9722912

00:18:19.145 --> 00:18:20.125 to have access.
NOTE Confidence: 0.9740565

00:18:20.690 --> 00:18:21.510 And unfortunately
NOTE Confidence: 0.987494

00:18:22.210 --> 00:18:23.730 the trail went cold there
NOTE Confidence: 0.987494

00:18:23.730 --> 00:18:25.670 because after I got access,
NOTE Confidence: 0.987494

00:18:25.730 --> 00:18:26.850 I got an email that
NOTE Confidence: 0.987494

00:18:26.850 --> 00:18:28.050 said, good morning. I wish
NOTE Confidence: 0.987494

00:18:28.050 --> 00:18:28.690 that I had a more
NOTE Confidence: 0.987494

00:18:28.690 --> 00:18:29.590 positive update.
NOTE Confidence: 0.9637411

00:18:29.890 --> 00:18:31.010 We have not quite given
NOTE Confidence: 0.9637411

00:18:31.010 --> 00:18:31.809 up yet, but at this
NOTE Confidence: 0.9637411

00:18:31.809 --> 00:18:33.109 point it seems the patient
NOTE Confidence: 0.9637411

00:18:33.170 --> 00:18:34.710 record no longer exists.
NOTE Confidence: 0.9952563

00:18:35.835 --> 00:18:36.875 Exists. So a lot of

NOTE Confidence: 0.9952563

00:18:36.875 --> 00:18:37.994 work for nothing in the

NOTE Confidence: 0.9952563

00:18:37.994 --> 00:18:39.595 end, but it was an

NOTE Confidence: 0.9952563

00:18:39.595 --> 00:18:41.855 important lesson for me about

NOTE Confidence: 0.9922118

00:18:42.395 --> 00:18:44.155 how difficult it is given

NOTE Confidence: 0.9922118

00:18:44.155 --> 00:18:46.175 current privacy laws and concern

NOTE Confidence: 0.9922118

00:18:46.315 --> 00:18:47.695 about protection of patients,

NOTE Confidence: 0.99965096

00:18:48.555 --> 00:18:49.915 that it really can make

NOTE Confidence: 0.99965096

00:18:49.915 --> 00:18:50.850 this type of research

NOTE Confidence: 0.9773457

00:18:51.809 --> 00:18:53.410 challenging. The other thing around

NOTE Confidence: 0.9773457

00:18:53.410 --> 00:18:55.250 that related to that is

NOTE Confidence: 0.9773457

00:18:55.250 --> 00:18:56.210 what sort of photos and

NOTE Confidence: 0.9773457

00:18:56.210 --> 00:18:57.330 what sort of permissions you

NOTE Confidence: 0.9773457

00:18:57.330 --> 00:18:58.369 need for what goes in

NOTE Confidence: 0.9773457

00:18:58.369 --> 00:18:59.250 a book and what can

NOTE Confidence: 0.9773457

00:18:59.250 --> 00:19:00.530 be published. So for instance,

NOTE Confidence: 0.9773457

00:19:00.530 --> 00:19:02.309 this image, which I love,
NOTE Confidence: 0.9773457

00:19:02.450 --> 00:19:03.669 is not in the book.
NOTE Confidence: 0.9747733

00:19:04.174 --> 00:19:05.294 I, to me, it's sort
NOTE Confidence: 0.9747733

00:19:05.294 --> 00:19:06.655 of the, the ultimate image
NOTE Confidence: 0.9747733

00:19:06.655 --> 00:19:07.875 of sort of the closeness
NOTE Confidence: 0.9747733

00:19:08.015 --> 00:19:09.535 of the medical students hand
NOTE Confidence: 0.9747733

00:19:09.535 --> 00:19:10.895 ventilating and reading a comic
NOTE Confidence: 0.9747733

00:19:10.895 --> 00:19:12.115 book at the same time.
NOTE Confidence: 0.9747733

00:19:12.335 --> 00:19:13.455 But I was told by
NOTE Confidence: 0.9747733

00:19:13.455 --> 00:19:14.515 the medical museum,
NOTE Confidence: 0.9922161

00:19:14.975 --> 00:19:16.255 you can only use this
NOTE Confidence: 0.9922161

00:19:16.255 --> 00:19:17.375 image if you get permission
NOTE Confidence: 0.9922161

00:19:17.375 --> 00:19:18.275 from the family,
NOTE Confidence: 0.999735

00:19:18.790 --> 00:19:20.170 but I was not allowed
NOTE Confidence: 0.999735

00:19:20.230 --> 00:19:22.490 to show people this image
NOTE Confidence: 0.9946734

00:19:23.030 --> 00:19:23.990 in order to figure out

NOTE Confidence: 0.9946734
00:19:23.990 --> 00:19:25.350 who this child was to
NOTE Confidence: 0.9946734
00:19:25.350 --> 00:19:26.890 get permission from the family.
NOTE Confidence: 0.96176696
00:19:27.270 --> 00:19:29.030 So I was stuck. And
NOTE Confidence: 0.96176696
00:19:29.030 --> 00:19:30.950 similarly, this image as well,
NOTE Confidence: 0.96176696
00:19:30.950 --> 00:19:31.910 also not in the book
NOTE Confidence: 0.96176696
00:19:31.910 --> 00:19:33.430 with this incredible imagery of
NOTE Confidence: 0.96176696
00:19:33.430 --> 00:19:34.410 this doll here.
NOTE Confidence: 0.9771607
00:19:35.234 --> 00:19:36.595 And so, you know, really,
NOTE Confidence: 0.9771607
00:19:36.595 --> 00:19:37.955 this is another area which
NOTE Confidence: 0.9771607
00:19:37.955 --> 00:19:39.555 is challenging, which is the
NOTE Confidence: 0.9771607
00:19:39.555 --> 00:19:40.275 the kind of rights and
NOTE Confidence: 0.9771607
00:19:40.275 --> 00:19:42.215 privacy issues around images,
NOTE Confidence: 0.9508208
00:19:43.155 --> 00:19:44.615 which is a a major
NOTE Confidence: 0.99927044
00:19:45.155 --> 00:19:46.275 issue in terms of being
NOTE Confidence: 0.99927044
00:19:46.275 --> 00:19:47.895 able to fully share stories.
NOTE Confidence: 0.87461257

00:19:49.550 --> 00:19:51.310 Yeah. Yeah. Say we're changing

NOTE Confidence: 0.87461257

00:19:51.310 --> 00:19:53.950 everything. Patients. Patients. Yeah. So,

NOTE Confidence: 0.87461257

00:19:53.950 --> 00:19:54.990 you know, nobody cared about

NOTE Confidence: 0.87461257

00:19:54.990 --> 00:19:55.890 the medical student.

NOTE Confidence: 0.9630241

00:19:56.270 --> 00:19:57.230 As you can see, I

NOTE Confidence: 0.9630241

00:19:57.230 --> 00:19:58.270 didn't have to block out

NOTE Confidence: 0.9630241

00:19:58.270 --> 00:19:59.010 her face.

NOTE Confidence: 0.9826374

00:19:59.390 --> 00:20:00.670 And and it's really interesting.

NOTE Confidence: 0.9826374

00:20:00.670 --> 00:20:01.550 Right? And and, of course,

NOTE Confidence: 0.9826374

00:20:01.550 --> 00:20:02.750 I understand the sort of

NOTE Confidence: 0.9826374

00:20:02.750 --> 00:20:04.725 privacy issues, but, you know,

NOTE Confidence: 0.9826374

00:20:04.725 --> 00:20:06.085 the reality is that this

NOTE Confidence: 0.9826374

00:20:06.085 --> 00:20:08.345 is seventy something years after

NOTE Confidence: 0.96540415

00:20:08.645 --> 00:20:09.685 these events. And so it's

NOTE Confidence: 0.96540415

00:20:09.685 --> 00:20:11.225 all it's interesting to me

NOTE Confidence: 0.96540415

00:20:11.285 --> 00:20:12.725 that people are still very,

NOTE Confidence: 0.96540415
00:20:12.725 --> 00:20:14.325 very concerned about the privacy
NOTE Confidence: 0.96540415
00:20:14.325 --> 00:20:15.865 and protection of these individuals.
NOTE Confidence: 0.96540415
00:20:16.005 --> 00:20:16.805 I can tell you for
NOTE Confidence: 0.96540415
00:20:16.805 --> 00:20:18.345 anyone I ever did approach
NOTE Confidence: 0.96540415
00:20:18.590 --> 00:20:19.550 for this sort of thing,
NOTE Confidence: 0.96540415
00:20:19.550 --> 00:20:20.590 nobody cares. Right? You know,
NOTE Confidence: 0.96540415
00:20:20.590 --> 00:20:21.710 they sort of said, like,
NOTE Confidence: 0.96540415
00:20:21.710 --> 00:20:22.750 sure. Go ahead if it
NOTE Confidence: 0.96540415
00:20:22.750 --> 00:20:23.390 was them.
NOTE Confidence: 0.9466809
00:20:23.869 --> 00:20:24.830 When for people where I'm,
NOTE Confidence: 0.9466809
00:20:24.830 --> 00:20:26.109 you know, Vivi Ebert's family
NOTE Confidence: 0.9466809
00:20:26.109 --> 00:20:27.150 was happy to have me
NOTE Confidence: 0.9466809
00:20:27.150 --> 00:20:28.830 use images of her as
NOTE Confidence: 0.9466809
00:20:28.830 --> 00:20:29.330 well.
NOTE Confidence: 0.9387553
00:20:31.285 --> 00:20:32.345 Issues of memory.
NOTE Confidence: 0.84843254

00:20:32.885 --> 00:20:33.685 This is a man that's
NOTE Confidence: 0.84843254
00:20:33.685 --> 00:20:35.145 named Ernst Trier Murch,
NOTE Confidence: 0.9992775
00:20:35.845 --> 00:20:36.744 and he
NOTE Confidence: 0.95158863
00:20:37.285 --> 00:20:38.805 was important in the book
NOTE Confidence: 0.95158863
00:20:38.805 --> 00:20:40.645 for many reasons. And just
NOTE Confidence: 0.95158863
00:20:40.645 --> 00:20:41.525 kinda give you a sense
NOTE Confidence: 0.95158863
00:20:41.525 --> 00:20:42.645 of who he was along
NOTE Confidence: 0.95158863
00:20:42.645 --> 00:20:43.960 the way, He was actually
NOTE Confidence: 0.95158863
00:20:43.960 --> 00:20:44.940 the first anesthesiologist
NOTE Confidence: 0.9973474
00:20:45.320 --> 00:20:46.299 in all of Denmark,
NOTE Confidence: 0.9701063
00:20:46.840 --> 00:20:48.059 in the nineteen forties.
NOTE Confidence: 0.9660605
00:20:49.000 --> 00:20:50.519 He's the person who actually
NOTE Confidence: 0.9660605
00:20:50.519 --> 00:20:52.200 told Ibsen that he should
NOTE Confidence: 0.9660605
00:20:52.200 --> 00:20:53.240 go train in the United
NOTE Confidence: 0.9660605
00:20:53.240 --> 00:20:54.279 States, which ended up being
NOTE Confidence: 0.9660605
00:20:54.279 --> 00:20:55.480 very important for sort of

NOTE Confidence: 0.9660605

00:20:55.480 --> 00:20:56.919 his education and and kind

NOTE Confidence: 0.9660605

00:20:56.919 --> 00:20:57.880 of the way he thought

NOTE Confidence: 0.9660605

00:20:57.880 --> 00:20:58.700 about medicine.

NOTE Confidence: 0.97221166

00:20:59.744 --> 00:21:01.665 He actually built an early

NOTE Confidence: 0.97221166

00:21:01.665 --> 00:21:03.425 positive pressure ventilator in Denmark

NOTE Confidence: 0.97221166

00:21:03.425 --> 00:21:04.645 in the nineteen forties

NOTE Confidence: 0.9671577

00:21:04.945 --> 00:21:06.225 that was not available for

NOTE Confidence: 0.9671577

00:21:06.225 --> 00:21:07.185 use because he'd moved to

NOTE Confidence: 0.9671577

00:21:07.185 --> 00:21:08.225 the United States by the

NOTE Confidence: 0.9671577

00:21:08.225 --> 00:21:09.585 time the epidemic occurred in

NOTE Confidence: 0.9671577

00:21:09.585 --> 00:21:10.484 the nineteen fifties.

NOTE Confidence: 0.9676397

00:21:10.945 --> 00:21:11.785 Turns out he was also

NOTE Confidence: 0.9676397

00:21:11.785 --> 00:21:12.705 a hero of the Danish

NOTE Confidence: 0.9676397

00:21:12.705 --> 00:21:14.325 resistance in World War two.

NOTE Confidence: 0.90222645

00:21:14.680 --> 00:21:16.140 And in fact, he'd beaten

NOTE Confidence: 0.98111737

00:21:16.440 --> 00:21:18.119 Ibsen to this entire concept
NOTE Confidence: 0.98111737

00:21:18.119 --> 00:21:19.560 of positive pressure ventilation for
NOTE Confidence: 0.98111737

00:21:19.560 --> 00:21:21.100 polio patients with a publication
NOTE Confidence: 0.98111737

00:21:21.320 --> 00:21:22.359 a year or two before
NOTE Confidence: 0.98111737

00:21:22.359 --> 00:21:24.540 him that apparently nobody read.
NOTE Confidence: 0.98111737

00:21:24.840 --> 00:21:25.800 And he was really a
NOTE Confidence: 0.98111737

00:21:25.800 --> 00:21:26.680 giant in the field of
NOTE Confidence: 0.98111737

00:21:26.680 --> 00:21:28.119 anesthesiology for the rest of
NOTE Confidence: 0.98111737

00:21:28.119 --> 00:21:29.994 his life. So, again, someone
NOTE Confidence: 0.98111737

00:21:29.994 --> 00:21:31.035 I wanted to sort of
NOTE Confidence: 0.98111737

00:21:31.035 --> 00:21:32.795 profile and give as much
NOTE Confidence: 0.98111737

00:21:32.795 --> 00:21:34.155 information about in the book
NOTE Confidence: 0.98111737

00:21:34.155 --> 00:21:34.975 as I could,
NOTE Confidence: 0.99941903

00:21:35.515 --> 00:21:37.375 and he was pretty colorful.
NOTE Confidence: 0.9652356

00:21:37.755 --> 00:21:38.875 Here is an obituary from
NOTE Confidence: 0.9652356

00:21:38.875 --> 00:21:40.234 the New York Times with

NOTE Confidence: 0.9652356

00:21:40.234 --> 00:21:42.395 amazing statements like, during World

NOTE Confidence: 0.9652356

00:21:42.395 --> 00:21:43.595 War two when they were

NOTE Confidence: 0.9652356

00:21:43.595 --> 00:21:45.299 trying to move the Jews

NOTE Confidence: 0.9652356

00:21:45.299 --> 00:21:46.740 out of Denmark, they took

NOTE Confidence: 0.9652356

00:21:46.740 --> 00:21:48.019 them by boat to Sweden

NOTE Confidence: 0.9652356

00:21:48.019 --> 00:21:48.580 in the middle of the

NOTE Confidence: 0.9652356

00:21:48.580 --> 00:21:49.460 night. And he said, among

NOTE Confidence: 0.9652356

00:21:49.460 --> 00:21:50.580 other things, according to his

NOTE Confidence: 0.9652356

00:21:50.580 --> 00:21:51.940 own account, at a time

NOTE Confidence: 0.9652356

00:21:51.940 --> 00:21:53.299 when the Gestapo was using

NOTE Confidence: 0.9652356

00:21:53.299 --> 00:21:54.820 bloodhounds to sniff out Jews

NOTE Confidence: 0.9652356

00:21:54.820 --> 00:21:56.260 hidden under the false bottoms

NOTE Confidence: 0.9652356

00:21:56.260 --> 00:21:57.859 of fishing boats, taking them

NOTE Confidence: 0.9652356

00:21:57.859 --> 00:21:59.395 to safety in Sweden, He

NOTE Confidence: 0.9652356

00:21:59.395 --> 00:22:00.195 and a friend who was

NOTE Confidence: 0.9652356

00:22:00.195 --> 00:22:01.795 a pharmacist experimented on a
NOTE Confidence: 0.9652356

00:22:01.795 --> 00:22:03.395 cocker spaniel until they perfected
NOTE Confidence: 0.9652356

00:22:03.395 --> 00:22:05.315 a mixture of dried rabbit's
NOTE Confidence: 0.9652356

00:22:05.315 --> 00:22:06.375 blood and cocaine
NOTE Confidence: 0.9941146

00:22:06.915 --> 00:22:08.775 that disabled the dog's ability
NOTE Confidence: 0.9941146

00:22:08.915 --> 00:22:09.575 to smell.
NOTE Confidence: 0.9667913

00:22:10.355 --> 00:22:11.635 Doesn't get more fun than
NOTE Confidence: 0.9667913

00:22:11.635 --> 00:22:12.835 that, right, to be able
NOTE Confidence: 0.9667913

00:22:12.835 --> 00:22:13.635 to write about that in
NOTE Confidence: 0.9667913

00:22:13.635 --> 00:22:14.215 a book.
NOTE Confidence: 0.9990778

00:22:14.760 --> 00:22:15.980 Trained as a geneticist
NOTE Confidence: 0.94294226

00:22:16.359 --> 00:22:18.760 producing research tracing dwarfism to
NOTE Confidence: 0.94294226

00:22:18.760 --> 00:22:20.600 a single mutant gene and
NOTE Confidence: 0.94294226

00:22:20.600 --> 00:22:22.359 establishing that the condition randomly
NOTE Confidence: 0.94294226

00:22:22.359 --> 00:22:23.480 occurred in one of every
NOTE Confidence: 0.94294226

00:22:23.480 --> 00:22:25.240 ten thousand births. The finding

NOTE Confidence: 0.94294226
00:22:25.240 --> 00:22:26.200 was later used as a
NOTE Confidence: 0.94294226
00:22:26.200 --> 00:22:27.960 baseline by scientists studying the
NOTE Confidence: 0.94294226
00:22:27.960 --> 00:22:29.345 genetic effects of the atomic
NOTE Confidence: 0.94294226
00:22:29.345 --> 00:22:30.145 bombing, and I think I
NOTE Confidence: 0.94294226
00:22:30.145 --> 00:22:31.285 should say Hiroshima there.
NOTE Confidence: 0.9801822
00:22:33.185 --> 00:22:34.465 He was definitely involved in
NOTE Confidence: 0.9801822
00:22:34.465 --> 00:22:35.925 something called the white buses,
NOTE Confidence: 0.9801822
00:22:36.225 --> 00:22:37.045 which was
NOTE Confidence: 0.7551391
00:22:38.345 --> 00:22:38.845 a
NOTE Confidence: 0.61773086
00:22:40.145 --> 00:22:40.645 transport
NOTE Confidence: 0.99916166
00:22:41.185 --> 00:22:42.705 that they took buses from
NOTE Confidence: 0.99916166
00:22:42.705 --> 00:22:43.765 Sweden and Denmark
NOTE Confidence: 0.99941266
00:22:44.160 --> 00:22:44.900 into Germany
NOTE Confidence: 0.9647526
00:22:45.680 --> 00:22:47.359 in nineteen forty five while
NOTE Confidence: 0.9647526
00:22:47.359 --> 00:22:48.640 World War two was still
NOTE Confidence: 0.9647526

00:22:48.640 --> 00:22:49.140 happening.
NOTE Confidence: 0.9996367

00:22:49.680 --> 00:22:50.900 They had negotiated
NOTE Confidence: 0.9856852

00:22:51.520 --> 00:22:53.200 to take home the prisoners
NOTE Confidence: 0.9856852

00:22:53.200 --> 00:22:55.140 from Ravensbruck concentration camp.
NOTE Confidence: 0.9700874

00:22:55.520 --> 00:22:56.640 And so he was one
NOTE Confidence: 0.9700874

00:22:56.640 --> 00:22:58.020 of the doctors who volunteered
NOTE Confidence: 0.9700874

00:22:58.080 --> 00:22:59.575 for this. And and, this
NOTE Confidence: 0.9700874

00:22:59.575 --> 00:23:00.774 is a picture of the
NOTE Confidence: 0.9700874

00:23:00.774 --> 00:23:02.054 white buses actually outside the
NOTE Confidence: 0.9700874

00:23:02.054 --> 00:23:03.914 Blythe Am Hospital in Copenhagen
NOTE Confidence: 0.9700874

00:23:04.135 --> 00:23:05.994 before going on to Germany
NOTE Confidence: 0.9700874

00:23:06.135 --> 00:23:07.835 in early nineteen forty five.
NOTE Confidence: 0.9713316

00:23:08.774 --> 00:23:09.815 And this is also from
NOTE Confidence: 0.9713316

00:23:09.815 --> 00:23:11.414 the Chicago Tribune nineteen eighty
NOTE Confidence: 0.9713316

00:23:11.414 --> 00:23:13.255 five. This was about, again,
NOTE Confidence: 0.9713316

00:23:13.255 --> 00:23:15.059 getting the Jews from Denmark

NOTE Confidence: 0.9713316

00:23:15.059 --> 00:23:16.100 into Sweden. If they should

NOTE Confidence: 0.9713316

00:23:16.100 --> 00:23:17.299 start crying in their dark,

NOTE Confidence: 0.9713316

00:23:17.299 --> 00:23:19.140 hot, wet quarters, everybody could

NOTE Confidence: 0.9713316

00:23:19.140 --> 00:23:20.179 get killed. So we gave

NOTE Confidence: 0.9713316

00:23:20.179 --> 00:23:21.960 the parents barbiturate suppositories,

NOTE Confidence: 0.9769754

00:23:22.580 --> 00:23:23.780 and they'd knock the kids

NOTE Confidence: 0.9769754

00:23:23.780 --> 00:23:24.820 out, actually put them in

NOTE Confidence: 0.9769754

00:23:24.820 --> 00:23:26.660 life threatening comas. Then when

NOTE Confidence: 0.9769754

00:23:26.660 --> 00:23:28.100 the Swedes took over, doctors

NOTE Confidence: 0.9769754

00:23:28.100 --> 00:23:29.984 would quickly revive them. And

NOTE Confidence: 0.9769754

00:23:29.984 --> 00:23:31.345 then about that white bus

NOTE Confidence: 0.9769754

00:23:31.345 --> 00:23:32.865 expedition, we were cheering on

NOTE Confidence: 0.9769754

00:23:32.865 --> 00:23:33.845 the allied bombers,

NOTE Confidence: 0.99560213

00:23:34.145 --> 00:23:35.425 but we had several hundred

NOTE Confidence: 0.99560213

00:23:35.425 --> 00:23:36.705 patients on buses who were

NOTE Confidence: 0.99560213

00:23:36.705 --> 00:23:38.725 dying from typhus, typhoid fever,
NOTE Confidence: 0.99560213

00:23:38.945 --> 00:23:39.445 tuberculosis,
NOTE Confidence: 0.9914286

00:23:39.744 --> 00:23:41.345 and other diseases. They had
NOTE Confidence: 0.9914286

00:23:41.345 --> 00:23:42.385 no time to wait. The
NOTE Confidence: 0.9914286

00:23:42.385 --> 00:23:44.484 German telephones were completely automatic.
NOTE Confidence: 0.9748873

00:23:44.830 --> 00:23:46.270 So I gave Bernadotte, the
NOTE Confidence: 0.9748873

00:23:46.270 --> 00:23:47.230 man in charge of the
NOTE Confidence: 0.9748873

00:23:47.230 --> 00:23:48.910 white buses, a dime and
NOTE Confidence: 0.9748873

00:23:48.910 --> 00:23:49.710 asked him to call his
NOTE Confidence: 0.9748873

00:23:49.710 --> 00:23:50.590 father who happened to be
NOTE Confidence: 0.9748873

00:23:50.590 --> 00:23:51.550 king of Sweden and asked
NOTE Confidence: 0.9748873

00:23:51.550 --> 00:23:52.430 him to call his cousin
NOTE Confidence: 0.9748873

00:23:52.430 --> 00:23:53.150 who happened to be king
NOTE Confidence: 0.9748873

00:23:53.150 --> 00:23:54.190 of England and asked him
NOTE Confidence: 0.9748873

00:23:54.190 --> 00:23:55.970 to call general Eisenhower Eisenhower
NOTE Confidence: 0.9748873

00:23:56.109 --> 00:23:56.830 who happened to be in

NOTE Confidence: 0.9748873
00:23:56.830 --> 00:23:58.350 charge of bombing Hamburg and
NOTE Confidence: 0.9748873
00:23:58.350 --> 00:23:59.150 asked him to hold things
NOTE Confidence: 0.9748873
00:23:59.150 --> 00:24:00.290 up for a few minutes.
NOTE Confidence: 0.99814224
00:24:01.525 --> 00:24:02.825 Great stories. Right?
NOTE Confidence: 0.97454816
00:24:03.845 --> 00:24:05.785 He was important enough in
NOTE Confidence: 0.97454816
00:24:05.925 --> 00:24:07.205 the resistance that even though
NOTE Confidence: 0.97454816
00:24:07.205 --> 00:24:08.565 he wasn't himself Jewish, the
NOTE Confidence: 0.97454816
00:24:08.565 --> 00:24:10.165 Shoah Foundation did an interview
NOTE Confidence: 0.97454816
00:24:10.165 --> 00:24:11.765 with him, and this was
NOTE Confidence: 0.97454816
00:24:11.765 --> 00:24:13.045 like gold. Right? I go
NOTE Confidence: 0.97454816
00:24:13.045 --> 00:24:14.405 listen to him talking about
NOTE Confidence: 0.97454816
00:24:14.405 --> 00:24:15.720 his life and and sharing
NOTE Confidence: 0.97454816
00:24:15.720 --> 00:24:16.540 this information.
NOTE Confidence: 0.98940504
00:24:17.960 --> 00:24:19.400 And then he was interviewed
NOTE Confidence: 0.98940504
00:24:19.400 --> 00:24:21.080 about the war, and this
NOTE Confidence: 0.98940504

00:24:21.080 --> 00:24:22.059 was the conversation.
NOTE Confidence: 0.94841427

00:24:22.440 --> 00:24:23.880 Oh, yeah. The German said
NOTE Confidence: 0.94841427

00:24:23.880 --> 00:24:24.840 that only the Jews had
NOTE Confidence: 0.94841427

00:24:24.840 --> 00:24:25.800 to wear a yellow band
NOTE Confidence: 0.94841427

00:24:25.800 --> 00:24:27.080 on the left arm with
NOTE Confidence: 0.94841427

00:24:27.080 --> 00:24:28.440 the Jewish star, as the
NOTE Confidence: 0.94841427

00:24:28.440 --> 00:24:28.940 interviewer,
NOTE Confidence: 0.9684809

00:24:29.315 --> 00:24:30.515 with the Jewish star. And
NOTE Confidence: 0.9684809

00:24:30.515 --> 00:24:31.395 then the next day, you
NOTE Confidence: 0.9684809

00:24:31.395 --> 00:24:32.755 saw maybe a hundred Danes
NOTE Confidence: 0.9684809

00:24:32.755 --> 00:24:33.875 with the same yellow star.
NOTE Confidence: 0.9684809

00:24:33.875 --> 00:24:35.155 On a few days later,
NOTE Confidence: 0.9684809

00:24:35.155 --> 00:24:35.955 you saw the king of
NOTE Confidence: 0.9684809

00:24:35.955 --> 00:24:37.155 Denmark riding on through the
NOTE Confidence: 0.9684809

00:24:37.155 --> 00:24:38.195 city with a big yellow
NOTE Confidence: 0.9684809

00:24:38.195 --> 00:24:39.395 band around the arm. So

NOTE Confidence: 0.9684809
00:24:39.395 --> 00:24:40.934 that became completely inefficient.
NOTE Confidence: 0.9988581
00:24:41.250 --> 00:24:42.450 They couldn't prove who was
NOTE Confidence: 0.9988581
00:24:42.450 --> 00:24:43.570 Jewish and who were just
NOTE Confidence: 0.9988581
00:24:43.570 --> 00:24:45.250 rebelling Danes. Did you take
NOTE Confidence: 0.9988581
00:24:45.250 --> 00:24:46.530 part in that activity? Did
NOTE Confidence: 0.9988581
00:24:46.530 --> 00:24:47.830 you wear a yellow armband?
NOTE Confidence: 0.99706423
00:24:48.290 --> 00:24:49.030 Oh, yeah.
NOTE Confidence: 0.9540522
00:24:50.210 --> 00:24:51.410 This is when I went,
NOTE Confidence: 0.9540522
00:24:51.410 --> 00:24:51.910 uh-oh,
NOTE Confidence: 0.9996438
00:24:53.010 --> 00:24:54.609 because this is a well
NOTE Confidence: 0.9996438
00:24:54.609 --> 00:24:55.109 known
NOTE Confidence: 0.9804823
00:24:55.650 --> 00:24:56.744 false story.
NOTE Confidence: 0.9997633
00:24:58.005 --> 00:24:59.225 This didn't happen.
NOTE Confidence: 0.98649275
00:24:59.924 --> 00:25:01.284 The Jews in Denmark were
NOTE Confidence: 0.98649275
00:25:01.284 --> 00:25:02.404 never made to wear yellow
NOTE Confidence: 0.98649275

00:25:02.404 --> 00:25:03.845 stars or yellow bands, and
NOTE Confidence: 0.98649275

00:25:03.845 --> 00:25:04.965 the king of Denmark never
NOTE Confidence: 0.98649275

00:25:04.965 --> 00:25:06.005 did that. And that's been
NOTE Confidence: 0.98649275

00:25:06.005 --> 00:25:07.304 written about and debunked.
NOTE Confidence: 0.9613919

00:25:07.845 --> 00:25:08.804 And all of a sudden,
NOTE Confidence: 0.9613919

00:25:08.804 --> 00:25:10.424 I said, oh my god.
NOTE Confidence: 0.9905051

00:25:10.940 --> 00:25:12.140 What of what this man
NOTE Confidence: 0.9905051

00:25:12.140 --> 00:25:13.500 is saying is actually true
NOTE Confidence: 0.9905051

00:25:13.500 --> 00:25:15.180 and what isn't? How do
NOTE Confidence: 0.9905051

00:25:15.180 --> 00:25:16.160 I trust it?
NOTE Confidence: 0.951401

00:25:16.700 --> 00:25:17.660 And this is a quote
NOTE Confidence: 0.951401

00:25:17.660 --> 00:25:19.100 actually from a fictional book
NOTE Confidence: 0.951401

00:25:19.100 --> 00:25:20.240 by Kazuo Ishiguro.
NOTE Confidence: 0.9418418

00:25:20.619 --> 00:25:22.059 Memory, I realize, can be
NOTE Confidence: 0.9418418

00:25:22.059 --> 00:25:22.720 an unreliable
NOTE Confidence: 0.9765411

00:25:23.020 --> 00:25:24.734 thing. Often, it is heavily

NOTE Confidence: 0.9765411
00:25:24.734 --> 00:25:26.335 colored by the circumstances in
NOTE Confidence: 0.9765411
00:25:26.335 --> 00:25:28.015 which one remembers, and no
NOTE Confidence: 0.9765411
00:25:28.015 --> 00:25:29.455 doubt this applies to certain
NOTE Confidence: 0.9765411
00:25:29.455 --> 00:25:30.815 of the recollections I have
NOTE Confidence: 0.9765411
00:25:30.815 --> 00:25:31.795 gathered here.
NOTE Confidence: 0.9991745
00:25:32.655 --> 00:25:34.675 So this was my introduction
NOTE Confidence: 0.9960203
00:25:35.135 --> 00:25:35.635 into,
NOTE Confidence: 0.99169457
00:25:36.175 --> 00:25:37.455 you know, what every good
NOTE Confidence: 0.99169457
00:25:37.455 --> 00:25:38.895 historian will tell you, which
NOTE Confidence: 0.99169457
00:25:38.895 --> 00:25:40.190 is that oral histories are
NOTE Confidence: 0.99169457
00:25:40.190 --> 00:25:40.690 suspect.
NOTE Confidence: 0.9676353
00:25:41.630 --> 00:25:42.750 You know, that in medicine
NOTE Confidence: 0.9676353
00:25:42.750 --> 00:25:43.710 as well, right? That it
NOTE Confidence: 0.9676353
00:25:43.710 --> 00:25:44.530 can be challenging
NOTE Confidence: 0.9828452
00:25:44.910 --> 00:25:46.609 sometimes to really tease apart,
NOTE Confidence: 0.9828452

00:25:46.750 --> 00:25:48.030 you know, what is, a
NOTE Confidence: 0.9828452

00:25:48.030 --> 00:25:49.869 false versus true memory, that
NOTE Confidence: 0.9828452

00:25:49.869 --> 00:25:51.150 someone may have of their
NOTE Confidence: 0.9828452

00:25:51.150 --> 00:25:51.650 past.
NOTE Confidence: 0.95016783

00:25:52.385 --> 00:25:53.585 And so I recognize that
NOTE Confidence: 0.95016783

00:25:53.585 --> 00:25:54.725 I really had to triangulate
NOTE Confidence: 0.99941015

00:25:55.184 --> 00:25:56.544 everything that this man was
NOTE Confidence: 0.99941015

00:25:56.544 --> 00:25:57.044 saying
NOTE Confidence: 0.9847723

00:25:57.424 --> 00:25:58.385 and couldn't take it for
NOTE Confidence: 0.9847723

00:25:58.385 --> 00:25:59.345 granted. And that was really
NOTE Confidence: 0.9847723

00:25:59.345 --> 00:26:00.465 true of any of these
NOTE Confidence: 0.9847723

00:26:00.465 --> 00:26:02.325 interviews with people to try
NOTE Confidence: 0.9501903

00:26:02.625 --> 00:26:03.984 to make sure that I
NOTE Confidence: 0.9501903

00:26:03.984 --> 00:26:05.264 I could ground it in
NOTE Confidence: 0.9501903

00:26:05.264 --> 00:26:07.150 fact or else couch it
NOTE Confidence: 0.9501903

00:26:07.150 --> 00:26:08.270 very carefully in terms of

NOTE Confidence: 0.9501903
00:26:08.270 --> 00:26:09.390 the way I phrased it
NOTE Confidence: 0.9501903
00:26:09.390 --> 00:26:11.070 such as according to this
NOTE Confidence: 0.9501903
00:26:11.070 --> 00:26:12.830 individual. Right? So in the
NOTE Confidence: 0.9501903
00:26:12.830 --> 00:26:14.050 end, what did I find?
NOTE Confidence: 0.9501903
00:26:14.270 --> 00:26:16.430 Dwarves dwarfism research basis for
NOTE Confidence: 0.9501903
00:26:16.430 --> 00:26:17.710 the effects of the atomic
NOTE Confidence: 0.9501903
00:26:17.710 --> 00:26:18.210 bomb
NOTE Confidence: 0.98032063
00:26:18.744 --> 00:26:20.265 couldn't find a sign of
NOTE Confidence: 0.98032063
00:26:20.265 --> 00:26:21.725 this anywhere in literature.
NOTE Confidence: 0.98506284
00:26:23.225 --> 00:26:24.744 Rabbit's blood and cocaine to
NOTE Confidence: 0.98506284
00:26:24.744 --> 00:26:26.585 make dogs unable to smell
NOTE Confidence: 0.98506284
00:26:26.585 --> 00:26:28.044 the Jews underneath.
NOTE Confidence: 0.9987029
00:26:29.465 --> 00:26:29.965 Actually,
NOTE Confidence: 0.9779424
00:26:30.585 --> 00:26:31.645 I was in the resistance
NOTE Confidence: 0.9779424
00:26:31.784 --> 00:26:33.540 museum in Denmark going through
NOTE Confidence: 0.9779424

00:26:33.540 --> 00:26:34.360 their exhibitions.
NOTE Confidence: 0.99139357

00:26:35.540 --> 00:26:36.500 And there in one of
NOTE Confidence: 0.99139357

00:26:36.500 --> 00:26:38.020 the exhibitions was a little
NOTE Confidence: 0.99139357

00:26:38.020 --> 00:26:39.320 vial that was labeled
NOTE Confidence: 0.96201354

00:26:39.860 --> 00:26:41.620 rabbit's blood and cocaine with
NOTE Confidence: 0.96201354

00:26:41.620 --> 00:26:42.900 a description of this. Now
NOTE Confidence: 0.96201354

00:26:42.900 --> 00:26:44.100 I never could confirm that
NOTE Confidence: 0.96201354

00:26:44.100 --> 00:26:45.220 he was the one who
NOTE Confidence: 0.96201354

00:26:45.220 --> 00:26:47.015 had done this, but, and
NOTE Confidence: 0.96201354

00:26:47.015 --> 00:26:47.734 and if you read the
NOTE Confidence: 0.96201354

00:26:47.734 --> 00:26:48.535 book, you'll see how it's
NOTE Confidence: 0.96201354

00:26:48.535 --> 00:26:50.054 carefully worded, but that was
NOTE Confidence: 0.96201354

00:26:50.054 --> 00:26:51.734 a real thing. Our Britschwitz
NOTE Confidence: 0.96201354

00:26:51.734 --> 00:26:53.595 suppositories for babies on boats
NOTE Confidence: 0.8946408

00:26:53.975 --> 00:26:54.775 sounds a little for the
NOTE Confidence: 0.8946408

00:26:54.775 --> 00:26:56.215 hot preposterous to me. I

NOTE Confidence: 0.8946408
00:26:56.215 --> 00:26:57.815 could never verify it. Didn't
NOTE Confidence: 0.8946408
00:26:57.815 --> 00:26:58.794 put it in the book.
NOTE Confidence: 0.8946408
00:26:59.010 --> 00:26:59.890 Calls to the king of
NOTE Confidence: 0.8946408
00:26:59.890 --> 00:27:01.030 Sweden, king of England.
NOTE Confidence: 0.99672025
00:27:01.490 --> 00:27:03.010 They did try to relay
NOTE Confidence: 0.99672025
00:27:03.010 --> 00:27:04.210 to the allies to hold
NOTE Confidence: 0.99672025
00:27:04.210 --> 00:27:04.710 bombing,
NOTE Confidence: 0.9988397
00:27:05.010 --> 00:27:06.450 but it was definitely not
NOTE Confidence: 0.9988397
00:27:06.450 --> 00:27:07.670 up at that high level.
NOTE Confidence: 0.9952097
00:27:08.290 --> 00:27:09.090 Was he a hero of
NOTE Confidence: 0.9952097
00:27:09.090 --> 00:27:10.470 the resistance? Absolutely.
NOTE Confidence: 0.9194724
00:27:10.770 --> 00:27:11.570 Was he a hero of
NOTE Confidence: 0.9194724
00:27:11.570 --> 00:27:12.710 the specialty of anesthesiology?
NOTE Confidence: 0.99659
00:27:13.010 --> 00:27:13.510 Absolutely.
NOTE Confidence: 0.95709187
00:27:14.044 --> 00:27:15.164 But it was a a
NOTE Confidence: 0.95709187

00:27:15.164 --> 00:27:16.765 fascinating journey trying to tease

NOTE Confidence: 0.95709187

00:27:16.765 --> 00:27:17.885 apart what was real and

NOTE Confidence: 0.95709187

00:27:17.885 --> 00:27:19.565 what wasn't. And here is

NOTE Confidence: 0.95709187

00:27:19.565 --> 00:27:20.205 is one of the very

NOTE Confidence: 0.95709187

00:27:20.205 --> 00:27:21.244 few pictures I could find

NOTE Confidence: 0.95709187

00:27:21.244 --> 00:27:22.525 of him, in his youth,

NOTE Confidence: 0.95709187

00:27:22.525 --> 00:27:23.404 and you can see with

NOTE Confidence: 0.95709187

00:27:23.404 --> 00:27:25.244 the medals he received from

NOTE Confidence: 0.95709187

00:27:25.244 --> 00:27:26.445 the King of Denmark, in

NOTE Confidence: 0.95709187

00:27:26.445 --> 00:27:27.565 fact, for his work in

NOTE Confidence: 0.95709187

00:27:27.565 --> 00:27:28.225 the resistance.

NOTE Confidence: 0.9777377

00:27:29.940 --> 00:27:31.059 So this is the city

NOTE Confidence: 0.9777377

00:27:31.059 --> 00:27:32.660 archives in Copenhagen where I

NOTE Confidence: 0.9777377

00:27:32.660 --> 00:27:33.619 spent a fair amount of

NOTE Confidence: 0.9777377

00:27:33.619 --> 00:27:35.140 time, and it's a it

NOTE Confidence: 0.9777377

00:27:35.140 --> 00:27:35.780 was a little bit of

NOTE Confidence: 0.9777377
00:27:35.780 --> 00:27:37.059 like a journey into Harry
NOTE Confidence: 0.9777377
00:27:37.059 --> 00:27:39.059 Potter land that, this was
NOTE Confidence: 0.9777377
00:27:39.059 --> 00:27:40.440 the entrance to the archives
NOTE Confidence: 0.9777377
00:27:40.500 --> 00:27:41.000 there.
NOTE Confidence: 0.98771423
00:27:41.505 --> 00:27:42.945 And one of the things
NOTE Confidence: 0.98771423
00:27:42.945 --> 00:27:43.905 that they had there, they
NOTE Confidence: 0.98771423
00:27:43.905 --> 00:27:44.865 have amazing I mean, the
NOTE Confidence: 0.98771423
00:27:44.865 --> 00:27:46.305 Danes are known for incredible
NOTE Confidence: 0.98771423
00:27:46.305 --> 00:27:47.984 sort of archival material and
NOTE Confidence: 0.98771423
00:27:47.984 --> 00:27:48.465 and,
NOTE Confidence: 0.9881277
00:27:48.865 --> 00:27:50.625 and records, and they plunked
NOTE Confidence: 0.9881277
00:27:50.625 --> 00:27:52.465 this giant black book in
NOTE Confidence: 0.9881277
00:27:52.465 --> 00:27:53.265 front of me. It's one
NOTE Confidence: 0.9881277
00:27:53.265 --> 00:27:54.145 of the things they pulled
NOTE Confidence: 0.9881277
00:27:54.145 --> 00:27:54.945 out when I said I
NOTE Confidence: 0.9881277

00:27:54.945 --> 00:27:56.100 was interested in in the
NOTE Confidence: 0.9881277

00:27:56.100 --> 00:27:57.880 hospital in nineteen fifty two.
NOTE Confidence: 0.9881277

00:27:58.020 --> 00:27:58.900 And when I opened it
NOTE Confidence: 0.9881277

00:27:58.900 --> 00:27:59.940 and finally figured out what
NOTE Confidence: 0.9881277

00:27:59.940 --> 00:28:01.140 it was, I realized it
NOTE Confidence: 0.9881277

00:28:01.140 --> 00:28:02.420 was their book of all
NOTE Confidence: 0.9881277

00:28:02.420 --> 00:28:03.960 the deaths in the hospital
NOTE Confidence: 0.97210366

00:28:04.260 --> 00:28:05.619 in nineteen fifty two. It
NOTE Confidence: 0.97210366

00:28:05.619 --> 00:28:07.300 was a log book. And
NOTE Confidence: 0.97210366

00:28:07.300 --> 00:28:08.260 as you flip through the
NOTE Confidence: 0.97210366

00:28:08.260 --> 00:28:09.619 pages, you could see they
NOTE Confidence: 0.97210366

00:28:09.619 --> 00:28:11.095 entered every death. And in
NOTE Confidence: 0.97210366

00:28:11.095 --> 00:28:12.455 January and February, it was
NOTE Confidence: 0.97210366

00:28:12.455 --> 00:28:14.375 sort of diphtheria and tetanus
NOTE Confidence: 0.97210366

00:28:14.375 --> 00:28:15.095 and a whole mix of
NOTE Confidence: 0.97210366

00:28:15.095 --> 00:28:15.895 different things. And then you

NOTE Confidence: 0.97210366
00:28:15.895 --> 00:28:17.015 got to July and August
NOTE Confidence: 0.97210366
00:28:17.015 --> 00:28:18.054 of nineteen fifty two and
NOTE Confidence: 0.97210366
00:28:18.054 --> 00:28:19.494 it was just polio, polio,
NOTE Confidence: 0.97210366
00:28:19.494 --> 00:28:19.994 polio.
NOTE Confidence: 0.86931556
00:28:20.375 --> 00:28:21.255 And it was I mean,
NOTE Confidence: 0.86931556
00:28:21.255 --> 00:28:22.302 it was very useful for
NOTE Confidence: 0.86931556
00:28:22.302 --> 00:28:22.340 me because I was able
NOTE Confidence: 0.86931556
00:28:22.340 --> 00:28:22.378 to go through and literally
NOTE Confidence: 0.86931556
00:28:22.378 --> 00:28:22.416 catalog the number of deaths
NOTE Confidence: 0.86931556
00:28:22.416 --> 00:28:22.455 and sort of quantify those
NOTE Confidence: 0.86931556
00:28:22.455 --> 00:28:23.115 things and
NOTE Confidence: 0.9458317
00:28:32.020 --> 00:28:33.180 but one thing you'll see,
NOTE Confidence: 0.9458317
00:28:33.180 --> 00:28:34.460 it's whited out here, right,
NOTE Confidence: 0.9458317
00:28:34.460 --> 00:28:35.180 are the names of the
NOTE Confidence: 0.9458317
00:28:35.180 --> 00:28:36.859 patients who died. And, again,
NOTE Confidence: 0.9458317

00:28:36.859 --> 00:28:37.980 I was told very clearly
NOTE Confidence: 0.9458317

00:28:37.980 --> 00:28:39.040 by the city archives
NOTE Confidence: 0.9988334

00:28:39.465 --> 00:28:40.424 that I could look at
NOTE Confidence: 0.9988334

00:28:40.424 --> 00:28:40.924 this,
NOTE Confidence: 0.96484387

00:28:41.225 --> 00:28:42.424 but I could not under
NOTE Confidence: 0.96484387

00:28:42.424 --> 00:28:44.424 any circumstances use the names
NOTE Confidence: 0.96484387

00:28:44.424 --> 00:28:45.625 that I found in this
NOTE Confidence: 0.96484387

00:28:45.625 --> 00:28:46.125 material
NOTE Confidence: 0.9982367

00:28:46.745 --> 00:28:49.005 to contact anyone for additional
NOTE Confidence: 0.9982367

00:28:49.065 --> 00:28:49.565 research.
NOTE Confidence: 0.9141777

00:28:50.505 --> 00:28:51.865 And so this was an
NOTE Confidence: 0.9141777

00:28:51.865 --> 00:28:52.924 amazingly frustrating
NOTE Confidence: 0.96450585

00:28:53.304 --> 00:28:55.110 because I really wanted to
NOTE Confidence: 0.96450585

00:28:55.190 --> 00:28:56.630 capture as many voices in
NOTE Confidence: 0.96450585

00:28:56.630 --> 00:28:57.429 the book as I could
NOTE Confidence: 0.96450585

00:28:57.429 --> 00:28:58.950 the different experiences of people

NOTE Confidence: 0.96450585
00:28:58.950 --> 00:29:00.309 in this epidemic. And I
NOTE Confidence: 0.96450585
00:29:00.309 --> 00:29:01.270 got a lot of them
NOTE Confidence: 0.96450585
00:29:01.270 --> 00:29:02.330 through different means.
NOTE Confidence: 0.97782826
00:29:02.870 --> 00:29:04.470 But one that is absolutely
NOTE Confidence: 0.97782826
00:29:04.470 --> 00:29:06.230 missing is the patients who
NOTE Confidence: 0.97782826
00:29:06.230 --> 00:29:07.429 died and the families, the
NOTE Confidence: 0.97782826
00:29:07.429 --> 00:29:08.815 patients who died. And I'm
NOTE Confidence: 0.97782826
00:29:08.815 --> 00:29:10.255 very aware that I don't
NOTE Confidence: 0.97782826
00:29:10.255 --> 00:29:11.535 have that perspective in the
NOTE Confidence: 0.97782826
00:29:11.535 --> 00:29:12.655 book because of this. Now
NOTE Confidence: 0.97782826
00:29:12.655 --> 00:29:13.395 in retrospect,
NOTE Confidence: 0.9642926
00:29:13.695 --> 00:29:14.575 I probably could have put,
NOTE Confidence: 0.9642926
00:29:14.575 --> 00:29:15.535 say, an ad in one
NOTE Confidence: 0.9642926
00:29:15.535 --> 00:29:16.975 of the newspapers and maybe
NOTE Confidence: 0.9642926
00:29:16.975 --> 00:29:18.095 found somebody that way. I
NOTE Confidence: 0.9642926

00:29:18.095 --> 00:29:19.135 didn't think to at the
NOTE Confidence: 0.9642926

00:29:19.135 --> 00:29:19.635 time.
NOTE Confidence: 0.9742926

00:29:20.095 --> 00:29:21.055 But I I was sort
NOTE Confidence: 0.9742926

00:29:21.055 --> 00:29:23.080 of stymied in figuring out
NOTE Confidence: 0.9742926

00:29:23.080 --> 00:29:24.620 how to reach these individuals.
NOTE Confidence: 0.9742926

00:29:24.919 --> 00:29:25.880 And so it was also
NOTE Confidence: 0.9742926

00:29:25.880 --> 00:29:27.500 just sort of reflecting on
NOTE Confidence: 0.9742926

00:29:27.639 --> 00:29:28.840 who are you capturing when
NOTE Confidence: 0.9742926

00:29:28.840 --> 00:29:30.600 you tell these stories and
NOTE Confidence: 0.9742926

00:29:30.600 --> 00:29:32.380 whose voices aren't there.
NOTE Confidence: 0.98903656

00:29:33.799 --> 00:29:35.240 Three of the strongest voices
NOTE Confidence: 0.98903656

00:29:35.240 --> 00:29:35.960 that I have in the
NOTE Confidence: 0.98903656

00:29:35.960 --> 00:29:37.075 book are the doctors, the
NOTE Confidence: 0.98903656

00:29:37.075 --> 00:29:38.695 medical students, and then surviving
NOTE Confidence: 0.98903656

00:29:38.755 --> 00:29:39.255 patients.
NOTE Confidence: 0.97181505

00:29:40.034 --> 00:29:41.654 And this is a map

NOTE Confidence: 0.97181505
00:29:41.715 --> 00:29:43.554 of Copenhagen from nineteen fifty
NOTE Confidence: 0.97181505
00:29:43.554 --> 00:29:44.835 two, and it was actually
NOTE Confidence: 0.97181505
00:29:44.835 --> 00:29:45.955 that picture I showed you
NOTE Confidence: 0.97181505
00:29:45.955 --> 00:29:47.475 of Henry Lawson. This was
NOTE Confidence: 0.97181505
00:29:47.475 --> 00:29:48.674 actually behind him when he's
NOTE Confidence: 0.97181505
00:29:48.674 --> 00:29:50.260 sitting at that desk. And
NOTE Confidence: 0.97181505
00:29:50.260 --> 00:29:51.220 he had it in his
NOTE Confidence: 0.97181505
00:29:51.220 --> 00:29:52.900 office, and he sent out
NOTE Confidence: 0.97181505
00:29:52.900 --> 00:29:54.120 six medical students
NOTE Confidence: 0.98790157
00:29:54.580 --> 00:29:56.180 to track every single case
NOTE Confidence: 0.98790157
00:29:56.180 --> 00:29:57.700 of polio that year in
NOTE Confidence: 0.98790157
00:29:57.700 --> 00:29:58.900 Copenhagen. And if you blow
NOTE Confidence: 0.98790157
00:29:58.900 --> 00:30:00.120 it up, you can see
NOTE Confidence: 0.98790157
00:30:00.260 --> 00:30:01.700 that there's a lot of
NOTE Confidence: 0.98790157
00:30:01.700 --> 00:30:03.075 pins in the city center.
NOTE Confidence: 0.98790157

00:30:03.235 --> 00:30:04.355 And the different colors are
NOTE Confidence: 0.98790157

00:30:04.355 --> 00:30:05.654 different months of the year.
NOTE Confidence: 0.7637938

00:30:06.034 --> 00:30:06.534 And,
NOTE Confidence: 0.9699698

00:30:06.914 --> 00:30:08.914 again, important, I think, to
NOTE Confidence: 0.9699698

00:30:08.914 --> 00:30:09.955 reflect on the fact that,
NOTE Confidence: 0.9699698

00:30:09.955 --> 00:30:10.835 of course, each of these
NOTE Confidence: 0.9699698

00:30:10.835 --> 00:30:11.975 pins is an individual,
NOTE Confidence: 0.97872853

00:30:12.514 --> 00:30:13.635 and I was able to
NOTE Confidence: 0.97872853

00:30:13.635 --> 00:30:14.514 track down a bunch of
NOTE Confidence: 0.97872853

00:30:14.514 --> 00:30:15.715 the survivors in the nineteen
NOTE Confidence: 0.97872853

00:30:15.715 --> 00:30:17.520 fifty two epidemic. And, I
NOTE Confidence: 0.97872853

00:30:17.520 --> 00:30:18.640 love hearing from people who've
NOTE Confidence: 0.97872853

00:30:18.640 --> 00:30:19.840 read the book because I
NOTE Confidence: 0.97872853

00:30:19.840 --> 00:30:21.280 hear what they found most
NOTE Confidence: 0.97872853

00:30:21.280 --> 00:30:21.780 compelling
NOTE Confidence: 0.97046214

00:30:22.160 --> 00:30:23.760 and gratified that for many

NOTE Confidence: 0.97046214
00:30:23.760 --> 00:30:24.800 people, they say it's the
NOTE Confidence: 0.97046214
00:30:24.800 --> 00:30:25.860 stories of the children
NOTE Confidence: 0.9885301
00:30:26.160 --> 00:30:27.280 in the book and their
NOTE Confidence: 0.9885301
00:30:27.280 --> 00:30:27.780 experiences.
NOTE Confidence: 0.97676885
00:30:28.240 --> 00:30:29.680 And the they all shared
NOTE Confidence: 0.97676885
00:30:29.680 --> 00:30:31.325 their experiences with me. Some
NOTE Confidence: 0.97676885
00:30:31.325 --> 00:30:32.725 of them actually found their
NOTE Confidence: 0.97676885
00:30:32.725 --> 00:30:33.925 pin for me on this
NOTE Confidence: 0.97676885
00:30:33.925 --> 00:30:34.425 map.
NOTE Confidence: 0.9982397
00:30:35.525 --> 00:30:37.125 And, and so I was
NOTE Confidence: 0.9982397
00:30:37.125 --> 00:30:37.605 really,
NOTE Confidence: 0.97059745
00:30:38.245 --> 00:30:39.785 found that that was incredibly
NOTE Confidence: 0.97059745
00:30:39.845 --> 00:30:42.085 important for humanizing the story.
NOTE Confidence: 0.97059745
00:30:42.085 --> 00:30:43.525 Right. That it wasn't just
NOTE Confidence: 0.97059745
00:30:43.525 --> 00:30:44.025 about
NOTE Confidence: 0.99530375

00:30:44.509 --> 00:30:46.210 the development of a technology.

NOTE Confidence: 0.99530375

00:30:46.350 --> 00:30:47.649 It was about the experiences

NOTE Confidence: 0.99530375

00:30:47.710 --> 00:30:48.690 of these individuals.

NOTE Confidence: 0.9322935

00:30:49.470 --> 00:30:50.350 One of the things I

NOTE Confidence: 0.9322935

00:30:50.350 --> 00:30:51.409 discovered though

NOTE Confidence: 0.97199094

00:30:51.789 --> 00:30:53.409 when talking to them

NOTE Confidence: 0.9707515

00:30:54.110 --> 00:30:55.389 was that I had to

NOTE Confidence: 0.9707515

00:30:55.389 --> 00:30:57.325 relearn how interview or change

NOTE Confidence: 0.9707515

00:30:57.325 --> 00:30:58.524 the way I interviewed. You

NOTE Confidence: 0.9707515

00:30:58.524 --> 00:30:59.725 learn in medicine how to

NOTE Confidence: 0.9707515

00:30:59.725 --> 00:31:01.005 do an interview. You know,

NOTE Confidence: 0.9707515

00:31:01.005 --> 00:31:01.724 how old were you when

NOTE Confidence: 0.9707515

00:31:01.724 --> 00:31:02.684 you got polio? What was

NOTE Confidence: 0.9707515

00:31:02.684 --> 00:31:03.485 the date? What were the

NOTE Confidence: 0.9707515

00:31:03.485 --> 00:31:04.605 symptoms? Was anyone else in

NOTE Confidence: 0.9707515

00:31:04.605 --> 00:31:05.965 your family affected? And and

NOTE Confidence: 0.9707515
00:31:05.965 --> 00:31:06.924 maybe I'm on the extreme
NOTE Confidence: 0.9707515
00:31:06.924 --> 00:31:07.885 of this having trained in
NOTE Confidence: 0.9707515
00:31:07.885 --> 00:31:09.325 anesthesia and critical care. Right.
NOTE Confidence: 0.9707515
00:31:09.325 --> 00:31:10.460 You know, I don't sit
NOTE Confidence: 0.9707515
00:31:10.460 --> 00:31:11.980 there and chitchat too much
NOTE Confidence: 0.9707515
00:31:11.980 --> 00:31:13.340 with my patients and their
NOTE Confidence: 0.9707515
00:31:13.340 --> 00:31:13.840 families.
NOTE Confidence: 0.9848212
00:31:14.700 --> 00:31:15.980 But, really, that's, you know,
NOTE Confidence: 0.9848212
00:31:15.980 --> 00:31:17.760 that's the kind of information
NOTE Confidence: 0.9848212
00:31:17.820 --> 00:31:19.420 we're taught to extract efficiently
NOTE Confidence: 0.9848212
00:31:19.420 --> 00:31:20.160 and effectively.
NOTE Confidence: 0.95166385
00:31:21.020 --> 00:31:22.380 And I started to write
NOTE Confidence: 0.95166385
00:31:22.380 --> 00:31:23.500 and realized that, of course,
NOTE Confidence: 0.95166385
00:31:23.500 --> 00:31:24.540 that doesn't make for a
NOTE Confidence: 0.95166385
00:31:24.540 --> 00:31:25.815 very interesting narrative.
NOTE Confidence: 0.97996885

00:31:26.455 --> 00:31:28.375 And in fact, there were
NOTE Confidence: 0.97996885

00:31:28.375 --> 00:31:29.414 all these other questions that
NOTE Confidence: 0.97996885

00:31:29.414 --> 00:31:30.134 I had to go back
NOTE Confidence: 0.97996885

00:31:30.134 --> 00:31:31.414 to these individuals and ask.
NOTE Confidence: 0.97996885

00:31:31.414 --> 00:31:32.294 Where were you living? What
NOTE Confidence: 0.97996885

00:31:32.294 --> 00:31:33.174 were the names and ages
NOTE Confidence: 0.97996885

00:31:33.174 --> 00:31:34.455 of your siblings? Were you
NOTE Confidence: 0.97996885

00:31:34.455 --> 00:31:35.335 close to them? Did you
NOTE Confidence: 0.97996885

00:31:35.335 --> 00:31:36.215 share a room? Did you
NOTE Confidence: 0.97996885

00:31:36.215 --> 00:31:36.934 live in a house or
NOTE Confidence: 0.97996885

00:31:36.934 --> 00:31:38.054 an apartment? Did you have
NOTE Confidence: 0.97996885

00:31:38.054 --> 00:31:39.575 stuffed animals or dolls? What
NOTE Confidence: 0.97996885

00:31:39.575 --> 00:31:40.950 were their names? What do
NOTE Confidence: 0.97996885

00:31:40.950 --> 00:31:42.149 you remember from the ambulance
NOTE Confidence: 0.97996885

00:31:42.149 --> 00:31:43.929 ride? Like, that's the color
NOTE Confidence: 0.9673421

00:31:44.390 --> 00:31:45.909 that creates the kind of

NOTE Confidence: 0.9673421

00:31:45.909 --> 00:31:47.130 connection with people.

NOTE Confidence: 0.9706852

00:31:47.750 --> 00:31:49.350 And so I literally had

NOTE Confidence: 0.9706852

00:31:49.350 --> 00:31:49.990 to go back and I

NOTE Confidence: 0.9706852

00:31:49.990 --> 00:31:51.190 thought I'd interviewed someone and

NOTE Confidence: 0.9706852

00:31:51.190 --> 00:31:52.309 I then had to kinda

NOTE Confidence: 0.9706852

00:31:52.309 --> 00:31:52.950 go back to them and

NOTE Confidence: 0.9706852

00:31:52.950 --> 00:31:53.750 say, can I talk to

NOTE Confidence: 0.9706852

00:31:53.750 --> 00:31:54.630 you again? I have more

NOTE Confidence: 0.9706852

00:31:54.630 --> 00:31:55.610 questions for you.

NOTE Confidence: 0.9956582

00:31:56.065 --> 00:31:57.025 And so that was really

NOTE Confidence: 0.9956582

00:31:57.025 --> 00:31:58.725 eye opening of what types

NOTE Confidence: 0.9956582

00:31:58.865 --> 00:32:00.145 of questions do you need

NOTE Confidence: 0.9956582

00:32:00.145 --> 00:32:00.805 to ask,

NOTE Confidence: 0.9811774

00:32:01.425 --> 00:32:02.465 and really how long an

NOTE Confidence: 0.9811774

00:32:02.465 --> 00:32:03.505 interview you need to do

NOTE Confidence: 0.9811774

00:32:03.505 --> 00:32:04.545 in order to get that
NOTE Confidence: 0.9811774
00:32:04.545 --> 00:32:05.045 information.
NOTE Confidence: 0.9930944
00:32:06.385 --> 00:32:07.585 In terms of the medical
NOTE Confidence: 0.9930944
00:32:07.585 --> 00:32:08.785 students, a few of them
NOTE Confidence: 0.9930944
00:32:08.785 --> 00:32:09.905 were still alive, and I
NOTE Confidence: 0.9930944
00:32:09.905 --> 00:32:10.865 was able to meet two
NOTE Confidence: 0.9930944
00:32:10.865 --> 00:32:11.425 of them.
NOTE Confidence: 0.962788
00:32:11.850 --> 00:32:12.809 So this was Anne Holton
NOTE Confidence: 0.962788
00:32:12.809 --> 00:32:14.250 Jensen. She was ninety in
NOTE Confidence: 0.962788
00:32:14.250 --> 00:32:15.530 that picture when I got
NOTE Confidence: 0.962788
00:32:15.530 --> 00:32:17.370 to meet her. And she
NOTE Confidence: 0.962788
00:32:17.370 --> 00:32:18.270 had an extraordinary
NOTE Confidence: 0.98509955
00:32:18.809 --> 00:32:19.309 experience,
NOTE Confidence: 0.9973635
00:32:19.929 --> 00:32:21.290 in the epidemic. She became
NOTE Confidence: 0.9973635
00:32:21.290 --> 00:32:21.950 an anesthesiologist
NOTE Confidence: 0.9968555
00:32:22.410 --> 00:32:23.530 because of it. She named

NOTE Confidence: 0.9968555
00:32:23.530 --> 00:32:24.490 one of her children for
NOTE Confidence: 0.9968555
00:32:24.490 --> 00:32:25.450 one of the patients she
NOTE Confidence: 0.9968555
00:32:25.450 --> 00:32:26.985 cared for and was really
NOTE Confidence: 0.9968555
00:32:26.985 --> 00:32:27.785 able to give me a
NOTE Confidence: 0.9968555
00:32:27.785 --> 00:32:29.625 sense of both how terrifying
NOTE Confidence: 0.9968555
00:32:29.625 --> 00:32:31.245 it was, but also how,
NOTE Confidence: 0.97305983
00:32:31.945 --> 00:32:33.785 kind of informative it was
NOTE Confidence: 0.97305983
00:32:33.785 --> 00:32:34.745 for her. And just wanna
NOTE Confidence: 0.97305983
00:32:34.745 --> 00:32:35.705 share with you because we
NOTE Confidence: 0.97305983
00:32:35.705 --> 00:32:37.325 do have film footage
NOTE Confidence: 0.97344154
00:32:37.945 --> 00:32:39.465 of what it looked like
NOTE Confidence: 0.97344154
00:32:39.465 --> 00:32:40.825 when they were bat hand
NOTE Confidence: 0.97344154
00:32:40.825 --> 00:32:42.380 ventilating these patients as one
NOTE Confidence: 0.97344154
00:32:42.380 --> 00:32:43.820 of the students there. And
NOTE Confidence: 0.97344154
00:32:43.820 --> 00:32:44.700 one thing to note is
NOTE Confidence: 0.97344154

00:32:44.700 --> 00:32:46.060 those are true anesthesia bags.
NOTE Confidence: 0.97344154

00:32:46.060 --> 00:32:47.260 They're not ambu bags that,
NOTE Confidence: 0.97344154

00:32:47.260 --> 00:32:48.460 that spring back when you
NOTE Confidence: 0.97344154

00:32:48.460 --> 00:32:49.900 squeeze them. So if you
NOTE Confidence: 0.97344154

00:32:49.900 --> 00:32:51.740 lose the, the airflow through
NOTE Confidence: 0.97344154

00:32:51.740 --> 00:32:53.340 them from the, tank of
NOTE Confidence: 0.97344154

00:32:53.340 --> 00:32:54.375 oxygen or air,
NOTE Confidence: 0.99607533

00:32:54.775 --> 00:32:55.895 it stops working. And so
NOTE Confidence: 0.99607533

00:32:55.895 --> 00:32:56.935 the book is full of
NOTE Confidence: 0.99607533

00:32:56.935 --> 00:32:58.135 kind of descriptions from the
NOTE Confidence: 0.99607533

00:32:58.135 --> 00:33:00.055 medical students that both either
NOTE Confidence: 0.99607533

00:33:00.055 --> 00:33:01.175 I got from people or
NOTE Confidence: 0.99607533

00:33:01.175 --> 00:33:02.795 others had previously interviewed
NOTE Confidence: 0.99015063

00:33:03.415 --> 00:33:05.255 to, kind of understand all
NOTE Confidence: 0.99015063

00:33:05.255 --> 00:33:06.135 the things that went wrong.
NOTE Confidence: 0.99015063

00:33:06.135 --> 00:33:07.015 And, of course, they did

NOTE Confidence: 0.99015063
00:33:07.015 --> 00:33:07.895 have to allow them to
NOTE Confidence: 0.99015063
00:33:07.895 --> 00:33:08.615 eat and drink. A lot
NOTE Confidence: 0.99015063
00:33:08.615 --> 00:33:09.835 of them had feeding tubes,
NOTE Confidence: 0.99015063
00:33:09.840 --> 00:33:10.740 and they would literally just
NOTE Confidence: 0.99015063
00:33:11.039 --> 00:33:12.480 blend up what was the
NOTE Confidence: 0.99015063
00:33:12.480 --> 00:33:13.279 meal of the day and
NOTE Confidence: 0.99015063
00:33:13.279 --> 00:33:14.419 stick it down the tube.
NOTE Confidence: 0.97357655
00:33:16.080 --> 00:33:17.520 Now I also probably the
NOTE Confidence: 0.97357655
00:33:17.520 --> 00:33:19.360 biggest lesson I had comes
NOTE Confidence: 0.97357655
00:33:19.360 --> 00:33:21.360 from this man, Robert Caro.
NOTE Confidence: 0.97357655
00:33:21.679 --> 00:33:22.720 I don't know if people
NOTE Confidence: 0.97357655
00:33:22.720 --> 00:33:23.840 are familiar with this book
NOTE Confidence: 0.97357655
00:33:23.840 --> 00:33:25.435 called The Power Broker, but
NOTE Confidence: 0.97357655
00:33:25.435 --> 00:33:26.715 Robert Caro is a writer
NOTE Confidence: 0.97357655
00:33:26.715 --> 00:33:28.495 who's really known for his
NOTE Confidence: 0.97357655

00:33:28.715 --> 00:33:30.095 detailed deep dives
NOTE Confidence: 0.9969549

00:33:30.555 --> 00:33:31.695 into his research.
NOTE Confidence: 0.9653336

00:33:32.475 --> 00:33:34.175 And, there's a great documentary
NOTE Confidence: 0.9653336

00:33:34.395 --> 00:33:35.995 about him called turn every
NOTE Confidence: 0.9653336

00:33:35.995 --> 00:33:37.115 page. There he is on
NOTE Confidence: 0.9653336

00:33:37.115 --> 00:33:38.740 the left and his editor
NOTE Confidence: 0.9653336

00:33:38.740 --> 00:33:40.260 who recently died, Robert Gottlieb,
NOTE Confidence: 0.9653336

00:33:40.260 --> 00:33:40.980 is there on the right.
NOTE Confidence: 0.9653336

00:33:40.980 --> 00:33:41.860 And it's a great if
NOTE Confidence: 0.9653336

00:33:41.860 --> 00:33:43.160 you're interested in writing,
NOTE Confidence: 0.9929663

00:33:43.620 --> 00:33:45.000 and you're interested in nonfiction,
NOTE Confidence: 0.9929663

00:33:45.059 --> 00:33:46.680 I really recommend this documentary.
NOTE Confidence: 0.9591189

00:33:47.140 --> 00:33:48.420 And he tells his anecdote
NOTE Confidence: 0.9591189

00:33:48.420 --> 00:33:50.120 about being a young reporter
NOTE Confidence: 0.9591189

00:33:50.180 --> 00:33:51.165 just starting out
NOTE Confidence: 0.860136

00:33:51.645 --> 00:33:53.005 and how his kind of

NOTE Confidence: 0.860136
00:33:53.005 --> 00:33:54.685 grizzled old boss, to resume,
NOTE Confidence: 0.860136
00:33:54.685 --> 00:33:55.185 says,
NOTE Confidence: 0.9913135
00:33:55.565 --> 00:33:57.585 Bob, make sure you turn
NOTE Confidence: 0.9913135
00:33:57.885 --> 00:33:58.785 every page.
NOTE Confidence: 0.99466
00:33:59.165 --> 00:34:00.205 And he takes that to
NOTE Confidence: 0.99466
00:34:00.205 --> 00:34:01.485 heart, and he really makes
NOTE Confidence: 0.99466
00:34:01.485 --> 00:34:03.165 a career out of turning
NOTE Confidence: 0.99466
00:34:03.165 --> 00:34:04.685 every page and doing these
NOTE Confidence: 0.99466
00:34:04.685 --> 00:34:05.730 really deep dives.
NOTE Confidence: 0.9995161
00:34:06.610 --> 00:34:07.910 And I was in Copenhagen
NOTE Confidence: 0.9668664
00:34:08.530 --> 00:34:09.650 for about a month doing
NOTE Confidence: 0.9668664
00:34:09.650 --> 00:34:10.850 research, and,
NOTE Confidence: 0.97408164
00:34:11.330 --> 00:34:12.690 one of the patients who
NOTE Confidence: 0.97408164
00:34:12.690 --> 00:34:13.890 I'd been in contact with
NOTE Confidence: 0.97408164
00:34:13.890 --> 00:34:14.850 was Niels Franz, and he
NOTE Confidence: 0.97408164

00:34:14.850 --> 00:34:16.310 became a documentary filmmaker.

NOTE Confidence: 0.9764965

00:34:16.850 --> 00:34:18.369 And his documentary is called

NOTE Confidence: 0.9764965

00:34:18.369 --> 00:34:19.570 The Epidemic. It's got an

NOTE Confidence: 0.9764965

00:34:19.570 --> 00:34:21.510 amazing subtitle. I don't remember

NOTE Confidence: 0.9764965

00:34:21.635 --> 00:34:23.415 anything, but I'll never forget.

NOTE Confidence: 0.9713433

00:34:23.954 --> 00:34:25.234 He was one years old

NOTE Confidence: 0.9713433

00:34:25.234 --> 00:34:26.434 when he got polio. So

NOTE Confidence: 0.9713433

00:34:26.434 --> 00:34:27.635 he didn't remember the experience

NOTE Confidence: 0.9713433

00:34:27.635 --> 00:34:29.075 himself. He ends up interviewing

NOTE Confidence: 0.9713433

00:34:29.075 --> 00:34:29.734 his mother,

NOTE Confidence: 0.99779034

00:34:30.275 --> 00:34:31.395 about what it was like

NOTE Confidence: 0.99779034

00:34:31.395 --> 00:34:32.434 and and all of that.

NOTE Confidence: 0.993974

00:34:32.915 --> 00:34:33.795 And so I'd seen the

NOTE Confidence: 0.993974

00:34:33.795 --> 00:34:35.155 film and I'd emailed with

NOTE Confidence: 0.993974

00:34:35.155 --> 00:34:35.655 him

NOTE Confidence: 0.9701554

00:34:35.980 --> 00:34:36.960 And I was in Copenhagen.

NOTE Confidence: 0.9701554
00:34:37.100 --> 00:34:37.820 I had this sort of
NOTE Confidence: 0.9701554
00:34:37.820 --> 00:34:39.500 fleeting thought of, may should
NOTE Confidence: 0.9701554
00:34:39.500 --> 00:34:40.380 I should I go talk
NOTE Confidence: 0.9701554
00:34:40.380 --> 00:34:41.100 to him? And then I
NOTE Confidence: 0.9701554
00:34:41.100 --> 00:34:41.600 thought,
NOTE Confidence: 0.9958791
00:34:42.060 --> 00:34:43.420 I know his story. I
NOTE Confidence: 0.9958791
00:34:43.420 --> 00:34:45.100 had seen his film. I've
NOTE Confidence: 0.9958791
00:34:45.100 --> 00:34:46.300 emailed with him. Like, what
NOTE Confidence: 0.9958791
00:34:46.300 --> 00:34:47.420 more could he possibly tell
NOTE Confidence: 0.9958791
00:34:47.420 --> 00:34:47.920 me?
NOTE Confidence: 0.98645425
00:34:48.725 --> 00:34:49.844 And then I heard Robert
NOTE Confidence: 0.98645425
00:34:49.844 --> 00:34:51.205 Caro's voice in my head
NOTE Confidence: 0.98645425
00:34:51.205 --> 00:34:53.445 saying, turn every page. And
NOTE Confidence: 0.98645425
00:34:53.445 --> 00:34:54.325 so with just a few
NOTE Confidence: 0.98645425
00:34:54.325 --> 00:34:55.925 days left, I emailed him,
NOTE Confidence: 0.98645425

00:34:55.925 --> 00:34:57.364 and he kindly invited me
NOTE Confidence: 0.98645425

00:34:57.364 --> 00:34:58.165 over. I went to his
NOTE Confidence: 0.98645425

00:34:58.165 --> 00:34:58.665 apartment.
NOTE Confidence: 0.9715604

00:34:59.125 --> 00:35:00.405 He fed me coffee and
NOTE Confidence: 0.9715604

00:35:00.405 --> 00:35:02.085 Danish buns, and he sat
NOTE Confidence: 0.9715604

00:35:02.085 --> 00:35:03.360 there and he said, so
NOTE Confidence: 0.9715604

00:35:03.360 --> 00:35:04.480 what are you interested about
NOTE Confidence: 0.9715604

00:35:04.480 --> 00:35:05.680 the epidemic? Is it the
NOTE Confidence: 0.9715604

00:35:05.680 --> 00:35:06.880 doctors or the nurses or
NOTE Confidence: 0.9715604

00:35:06.880 --> 00:35:07.920 the patients? You know, what
NOTE Confidence: 0.9715604

00:35:07.920 --> 00:35:08.880 what story are you telling?
NOTE Confidence: 0.9715604

00:35:08.880 --> 00:35:09.600 And I sort of said,
NOTE Confidence: 0.9715604

00:35:09.600 --> 00:35:10.960 well, I'm kind of all
NOTE Confidence: 0.9715604

00:35:10.960 --> 00:35:12.240 of it. I'd love to
NOTE Confidence: 0.9715604

00:35:12.240 --> 00:35:13.780 research anything and everything.
NOTE Confidence: 0.9800408

00:35:14.480 --> 00:35:15.520 And he said, well, you

NOTE Confidence: 0.9800408
00:35:15.520 --> 00:35:16.880 know, I ended up writing
NOTE Confidence: 0.9800408
00:35:16.880 --> 00:35:18.355 my or not just doing
NOTE Confidence: 0.9800408
00:35:18.355 --> 00:35:19.795 my film about the patient
NOTE Confidence: 0.9800408
00:35:19.795 --> 00:35:21.075 experience and my own experience.
NOTE Confidence: 0.9800408
00:35:21.075 --> 00:35:21.955 But, but while I was
NOTE Confidence: 0.9800408
00:35:21.955 --> 00:35:22.995 trying to figure out what
NOTE Confidence: 0.9800408
00:35:22.995 --> 00:35:23.795 I was going to make
NOTE Confidence: 0.9800408
00:35:23.795 --> 00:35:24.695 this film about
NOTE Confidence: 0.98984873
00:35:25.155 --> 00:35:26.455 back in the late 1990s,
NOTE Confidence: 0.99226546
00:35:26.915 --> 00:35:28.275 I actually interviewed a bunch
NOTE Confidence: 0.99226546
00:35:28.275 --> 00:35:29.715 of the doctors before they
NOTE Confidence: 0.99226546
00:35:29.715 --> 00:35:30.995 died. And I think I
NOTE Confidence: 0.99226546
00:35:30.995 --> 00:35:32.275 probably have those interviews on
NOTE Confidence: 0.99226546
00:35:32.275 --> 00:35:33.819 my hard drive somewhere. Would
NOTE Confidence: 0.99226546
00:35:33.819 --> 00:35:35.280 you be interested in that?
NOTE Confidence: 0.98825926

00:35:35.900 --> 00:35:37.339 And my jaw was on
NOTE Confidence: 0.98825926

00:35:37.339 --> 00:35:38.780 the floor because, you know,
NOTE Confidence: 0.98825926

00:35:38.780 --> 00:35:39.500 I could talk to the
NOTE Confidence: 0.98825926

00:35:39.500 --> 00:35:40.940 patients. They were still around.
NOTE Confidence: 0.98825926

00:35:40.940 --> 00:35:41.660 I could talk to the
NOTE Confidence: 0.98825926

00:35:41.660 --> 00:35:42.619 med students. They were still
NOTE Confidence: 0.98825926

00:35:42.619 --> 00:35:44.140 around, but the doctors had
NOTE Confidence: 0.98825926

00:35:44.140 --> 00:35:45.660 definitely all died. And although
NOTE Confidence: 0.98825926

00:35:45.660 --> 00:35:46.540 there was a lot, they
NOTE Confidence: 0.98825926

00:35:46.540 --> 00:35:47.500 wrote their voices in some
NOTE Confidence: 0.98825926

00:35:47.500 --> 00:35:48.560 ways were the strongest,
NOTE Confidence: 0.97795194

00:35:48.945 --> 00:35:50.145 Right? Because doctors write a
NOTE Confidence: 0.97795194

00:35:50.145 --> 00:35:51.445 lot and publish a lot,
NOTE Confidence: 0.97795194

00:35:51.505 --> 00:35:52.465 but it was all kind
NOTE Confidence: 0.97795194

00:35:52.465 --> 00:35:54.085 of that medical technical
NOTE Confidence: 0.98183703

00:35:55.105 --> 00:35:56.705 experience. Right? It didn't get

NOTE Confidence: 0.98183703
00:35:56.705 --> 00:35:58.085 into the the
NOTE Confidence: 0.97144455
00:35:58.545 --> 00:36:00.065 the true experience that they'd
NOTE Confidence: 0.97144455
00:36:00.065 --> 00:36:00.885 really had.
NOTE Confidence: 0.99733984
00:36:01.380 --> 00:36:02.579 And true to his word,
NOTE Confidence: 0.99733984
00:36:02.579 --> 00:36:04.420 he was incredibly generous. He
NOTE Confidence: 0.99733984
00:36:04.420 --> 00:36:04.920 uploaded
NOTE Confidence: 0.99836475
00:36:05.299 --> 00:36:05.799 hours
NOTE Confidence: 0.985569
00:36:06.420 --> 00:36:08.099 of interview film footage for
NOTE Confidence: 0.985569
00:36:08.099 --> 00:36:08.579 me,
NOTE Confidence: 0.9973128
00:36:08.980 --> 00:36:10.279 to share generously.
NOTE Confidence: 0.77122813
00:36:10.980 --> 00:36:12.660 And so here is you
NOTE Confidence: 0.77122813
00:36:12.660 --> 00:36:14.019 know? You're an Ipsen. Server.
NOTE Confidence: 0.77122813
00:36:14.019 --> 00:36:15.275 You know? Talking
NOTE Confidence: 0.99841964
00:36:15.734 --> 00:36:17.226 about the experience of
NOTE Confidence: 0.5052444
00:36:17.751 --> 00:36:18.251 Oh,
NOTE Confidence: 0.8731627

00:36:18.934 --> 00:36:20.454 epidemic. Now you will note
NOTE Confidence: 0.8731627

00:36:20.694 --> 00:36:21.655 for me If it's in
NOTE Confidence: 0.8731627

00:36:21.655 --> 00:36:21.974 Danish
NOTE Confidence: 0.9399279

00:36:23.815 --> 00:36:25.194 I do not speak Danish.
NOTE Confidence: 0.9574967

00:36:26.375 --> 00:36:28.614 Google Translate is amazing. Right?
NOTE Confidence: 0.9574967

00:36:28.614 --> 00:36:29.114 But
NOTE Confidence: 0.9852432

00:36:30.110 --> 00:36:31.390 it does not work when
NOTE Confidence: 0.9852432

00:36:31.390 --> 00:36:32.270 you try to take an
NOTE Confidence: 0.9852432

00:36:32.270 --> 00:36:33.790 old guy who mumbles slightly
NOTE Confidence: 0.9852432

00:36:33.790 --> 00:36:35.550 in Danish and put try
NOTE Confidence: 0.9852432

00:36:35.550 --> 00:36:36.510 to get Google Translate to
NOTE Confidence: 0.9852432

00:36:36.510 --> 00:36:37.650 do anything with it. So,
NOTE Confidence: 0.9602003

00:36:38.110 --> 00:36:39.310 I that was a a
NOTE Confidence: 0.9602003

00:36:39.310 --> 00:36:40.610 journey. I had to
NOTE Confidence: 0.9955577

00:36:40.989 --> 00:36:42.830 pay someone to transcribe it
NOTE Confidence: 0.9955577

00:36:42.830 --> 00:36:44.670 in Danish, use Google Translate

NOTE Confidence: 0.9955577
00:36:44.670 --> 00:36:45.855 into English, and then have
NOTE Confidence: 0.9955577
00:36:45.855 --> 00:36:47.055 somebody else go through and
NOTE Confidence: 0.9955577
00:36:47.055 --> 00:36:47.955 check the translation
NOTE Confidence: 0.9617052
00:36:48.335 --> 00:36:49.535 who's both both languages. And
NOTE Confidence: 0.9617052
00:36:49.535 --> 00:36:50.335 so it was months before
NOTE Confidence: 0.9617052
00:36:50.335 --> 00:36:51.055 I even knew what he'd
NOTE Confidence: 0.9617052
00:36:51.055 --> 00:36:51.555 said.
NOTE Confidence: 0.9898182
00:36:51.855 --> 00:36:52.735 But at the end of
NOTE Confidence: 0.9898182
00:36:52.735 --> 00:36:53.775 the day, it was the
NOTE Confidence: 0.9898182
00:36:53.775 --> 00:36:54.815 heart of the story because,
NOTE Confidence: 0.9898182
00:36:54.815 --> 00:36:56.175 you know, he described things
NOTE Confidence: 0.9898182
00:36:56.175 --> 00:36:56.675 like
NOTE Confidence: 0.9640886
00:36:57.135 --> 00:36:59.135 two days after this experience
NOTE Confidence: 0.9640886
00:36:59.135 --> 00:37:00.195 with Vivi Ebert
NOTE Confidence: 0.99955165
00:37:00.869 --> 00:37:02.309 sitting there in the hospital
NOTE Confidence: 0.99955165

00:37:02.309 --> 00:37:03.450 and starting to cry
NOTE Confidence: 0.96740115

00:37:04.150 --> 00:37:05.769 because he was so overwhelmed
NOTE Confidence: 0.99752134

00:37:06.789 --> 00:37:08.489 at how kind of scary
NOTE Confidence: 0.99752134

00:37:08.549 --> 00:37:09.910 and traumatic it had been
NOTE Confidence: 0.99752134

00:37:09.910 --> 00:37:10.710 trying to take care of
NOTE Confidence: 0.99752134

00:37:10.710 --> 00:37:11.210 her.
NOTE Confidence: 0.9929823

00:37:11.910 --> 00:37:12.950 You would never have gotten
NOTE Confidence: 0.9929823

00:37:12.950 --> 00:37:14.275 that from his publications.
NOTE Confidence: 0.9650631

00:37:14.575 --> 00:37:16.015 Right? That wasn't anywhere in
NOTE Confidence: 0.9650631

00:37:16.015 --> 00:37:17.555 it, that human experience.
NOTE Confidence: 0.9993962

00:37:18.815 --> 00:37:19.315 Also
NOTE Confidence: 0.98928064

00:37:19.935 --> 00:37:20.915 medical records,
NOTE Confidence: 0.97486097

00:37:21.455 --> 00:37:22.415 is bad enough when they're
NOTE Confidence: 0.97486097

00:37:22.415 --> 00:37:23.295 written in English. I don't
NOTE Confidence: 0.97486097

00:37:23.295 --> 00:37:24.015 know about you trying to
NOTE Confidence: 0.97486097

00:37:24.015 --> 00:37:25.375 decipher people's handwriting, but then

NOTE Confidence: 0.97486097
00:37:25.375 --> 00:37:26.915 you'd like take Danish handwriting,
NOTE Confidence: 0.9779604
00:37:27.869 --> 00:37:29.869 and it's almost impossible to
NOTE Confidence: 0.9779604
00:37:29.869 --> 00:37:31.150 do. And Google Translate can't
NOTE Confidence: 0.9779604
00:37:31.150 --> 00:37:32.029 do anything with this, I
NOTE Confidence: 0.9779604
00:37:32.029 --> 00:37:33.150 can tell you. So in
NOTE Confidence: 0.9779604
00:37:33.150 --> 00:37:34.190 the end, for dealing with
NOTE Confidence: 0.9779604
00:37:34.190 --> 00:37:35.309 Danish, just as an aside,
NOTE Confidence: 0.9779604
00:37:35.309 --> 00:37:36.269 I will tell you, don't
NOTE Confidence: 0.9779604
00:37:36.269 --> 00:37:37.390 write a book that takes
NOTE Confidence: 0.9779604
00:37:37.390 --> 00:37:38.750 place in a language that
NOTE Confidence: 0.9779604
00:37:38.750 --> 00:37:40.404 you don't know. But, Google
NOTE Confidence: 0.9779604
00:37:40.404 --> 00:37:41.684 translate actually is amazing. You
NOTE Confidence: 0.9779604
00:37:41.684 --> 00:37:42.964 can basically read an entire
NOTE Confidence: 0.9779604
00:37:42.964 --> 00:37:44.085 printed book with it and
NOTE Confidence: 0.9779604
00:37:44.085 --> 00:37:45.625 you will understand the book.
NOTE Confidence: 0.96336484

00:37:46.325 --> 00:37:47.924 Lisa Kaye was a surgeon
NOTE Confidence: 0.96336484

00:37:47.924 --> 00:37:48.964 who had had polio in
NOTE Confidence: 0.96336484

00:37:48.964 --> 00:37:50.085 that epidemic. And so of
NOTE Confidence: 0.96336484

00:37:50.085 --> 00:37:51.285 course she would, she sat
NOTE Confidence: 0.96336484

00:37:51.285 --> 00:37:52.325 at her kitchen table with
NOTE Confidence: 0.96336484

00:37:52.325 --> 00:37:53.960 me and understood the medical
NOTE Confidence: 0.96336484

00:37:53.960 --> 00:37:55.319 component of these old records
NOTE Confidence: 0.96336484

00:37:55.319 --> 00:37:56.119 and went through them with
NOTE Confidence: 0.96336484

00:37:56.119 --> 00:37:57.980 me. I paid Danish undergraduates
NOTE Confidence: 0.9733688

00:37:58.280 --> 00:37:59.319 who checked every quote in
NOTE Confidence: 0.9733688

00:37:59.319 --> 00:38:00.119 the book because, of course,
NOTE Confidence: 0.9733688

00:38:00.119 --> 00:38:01.239 I wasn't gonna trust Google
NOTE Confidence: 0.9733688

00:38:01.239 --> 00:38:02.760 Translate for that. And then
NOTE Confidence: 0.9733688

00:38:02.760 --> 00:38:04.040 for one piece, I turned
NOTE Confidence: 0.9733688

00:38:04.040 --> 00:38:05.260 to a professional translator.
NOTE Confidence: 0.9396947

00:38:05.719 --> 00:38:06.760 And that was because of

NOTE Confidence: 0.9396947

00:38:06.760 --> 00:38:08.545 this woman, Rosa Abramson, who

NOTE Confidence: 0.9396947

00:38:08.545 --> 00:38:10.005 was dubbed the the Blythem

NOTE Confidence: 0.9396947

00:38:10.065 --> 00:38:10.565 Rose.

NOTE Confidence: 0.9876349

00:38:11.105 --> 00:38:12.305 She was in her twenties

NOTE Confidence: 0.9876349

00:38:12.305 --> 00:38:13.344 when she got polio in

NOTE Confidence: 0.9876349

00:38:13.344 --> 00:38:14.085 this epidemic

NOTE Confidence: 0.9827389

00:38:14.625 --> 00:38:15.905 and was admitted to the

NOTE Confidence: 0.9827389

00:38:15.905 --> 00:38:17.745 Blythem, and she never fully

NOTE Confidence: 0.9827389

00:38:17.745 --> 00:38:19.045 recovered her,

NOTE Confidence: 0.9835197

00:38:19.905 --> 00:38:21.765 respiratory function. She remained ventilator

NOTE Confidence: 0.9835197

00:38:21.905 --> 00:38:23.310 dependent, And she lived in

NOTE Confidence: 0.9835197

00:38:23.310 --> 00:38:24.830 the hospital for years. She

NOTE Confidence: 0.9835197

00:38:24.830 --> 00:38:26.590 actually had two children who

NOTE Confidence: 0.9835197

00:38:26.590 --> 00:38:27.410 she was obviously

NOTE Confidence: 0.97583675

00:38:27.790 --> 00:38:29.390 take couldn't be with her.

NOTE Confidence: 0.97846085

00:38:29.710 --> 00:38:30.989 She did ultimately move to
NOTE Confidence: 0.97846085

00:38:30.989 --> 00:38:32.350 an apartment complex where they
NOTE Confidence: 0.97846085

00:38:32.350 --> 00:38:33.710 could support her care along
NOTE Confidence: 0.97846085

00:38:33.710 --> 00:38:35.250 with Vivi Ebert, who also
NOTE Confidence: 0.97846085

00:38:35.469 --> 00:38:36.690 never came off the ventilator.
NOTE Confidence: 0.95520866

00:38:37.185 --> 00:38:38.625 But Rosa became a poet,
NOTE Confidence: 0.95520866

00:38:38.625 --> 00:38:39.745 and she became a quite
NOTE Confidence: 0.95520866

00:38:39.745 --> 00:38:40.705 a well known poet in
NOTE Confidence: 0.95520866

00:38:40.705 --> 00:38:41.985 Denmark and had these two
NOTE Confidence: 0.95520866

00:38:41.985 --> 00:38:43.344 books of poetry that she
NOTE Confidence: 0.95520866

00:38:43.344 --> 00:38:43.844 published.
NOTE Confidence: 0.99354994

00:38:44.864 --> 00:38:46.245 And so, you know,
NOTE Confidence: 0.99392015

00:38:47.265 --> 00:38:49.185 in Danish, I wanted the
NOTE Confidence: 0.99392015

00:38:49.185 --> 00:38:50.945 English version. And as an
NOTE Confidence: 0.99392015

00:38:50.945 --> 00:38:52.710 aside, I couldn't reproduce the
NOTE Confidence: 0.99392015

00:38:52.710 --> 00:38:53.830 whole poem, which I wanted

NOTE Confidence: 0.99392015
00:38:53.830 --> 00:38:54.630 to do. This is one
NOTE Confidence: 0.99392015
00:38:54.630 --> 00:38:55.850 of her most famous poems.
NOTE Confidence: 0.99392015
00:38:56.070 --> 00:38:57.190 And that was because her
NOTE Confidence: 0.99392015
00:38:57.190 --> 00:38:58.390 daughter wouldn't speak to me
NOTE Confidence: 0.99392015
00:38:58.390 --> 00:38:59.670 and wouldn't give me permission
NOTE Confidence: 0.99392015
00:38:59.670 --> 00:39:00.790 to reproduce any of her
NOTE Confidence: 0.99392015
00:39:00.790 --> 00:39:02.070 work. I don't know what
NOTE Confidence: 0.99392015
00:39:02.070 --> 00:39:03.030 she'd been through. I think
NOTE Confidence: 0.99392015
00:39:03.030 --> 00:39:03.989 probably just a lot of
NOTE Confidence: 0.99392015
00:39:03.989 --> 00:39:05.670 trauma associated with her mother
NOTE Confidence: 0.99392015
00:39:05.670 --> 00:39:06.870 being taken away in that
NOTE Confidence: 0.99392015
00:39:06.870 --> 00:39:07.370 way.
NOTE Confidence: 0.98133975
00:39:08.065 --> 00:39:09.185 But because of that, I
NOTE Confidence: 0.98133975
00:39:09.185 --> 00:39:09.905 had to go with what's
NOTE Confidence: 0.98133975
00:39:09.905 --> 00:39:11.425 called fair use, which was
NOTE Confidence: 0.98133975

00:39:11.425 --> 00:39:12.945 basically to use, you know,
NOTE Confidence: 0.98133975

00:39:12.945 --> 00:39:14.725 snippets that sort of informed
NOTE Confidence: 0.98133975

00:39:14.785 --> 00:39:15.445 my story,
NOTE Confidence: 0.9553916

00:39:15.825 --> 00:39:16.885 but were not,
NOTE Confidence: 0.9627075

00:39:18.145 --> 00:39:19.825 the whole poem. And so
NOTE Confidence: 0.9627075

00:39:19.825 --> 00:39:21.344 I researched someone who could
NOTE Confidence: 0.9627075

00:39:21.344 --> 00:39:22.140 help me with this because,
NOTE Confidence: 0.9627075

00:39:22.140 --> 00:39:23.660 Cause of course, translating poetry
NOTE Confidence: 0.9627075

00:39:23.660 --> 00:39:24.700 from one language to another
NOTE Confidence: 0.9627075

00:39:24.700 --> 00:39:25.599 is really challenging.
NOTE Confidence: 0.9659477

00:39:26.700 --> 00:39:28.059 And what I discovered, I
NOTE Confidence: 0.9659477

00:39:28.059 --> 00:39:29.180 picked up one of the
NOTE Confidence: 0.9659477

00:39:29.180 --> 00:39:31.500 most famous recently translated books
NOTE Confidence: 0.9659477

00:39:31.500 --> 00:39:33.180 from Danish into English and
NOTE Confidence: 0.9659477

00:39:33.180 --> 00:39:34.960 this man, Michael Favella Goldman,
NOTE Confidence: 0.9659477

00:39:35.180 --> 00:39:36.299 had done the translation. So

NOTE Confidence: 0.9659477

00:39:36.299 --> 00:39:37.594 I emailed him and explained

NOTE Confidence: 0.9659477

00:39:37.594 --> 00:39:38.635 what I was looking for

NOTE Confidence: 0.9659477

00:39:38.635 --> 00:39:39.835 and, and he agreed to

NOTE Confidence: 0.9659477

00:39:39.835 --> 00:39:40.494 help me.

NOTE Confidence: 0.97997075

00:39:41.035 --> 00:39:41.994 And so, you know, kind

NOTE Confidence: 0.97997075

00:39:41.994 --> 00:39:43.755 of extraordinary translations, but I'm

NOTE Confidence: 0.97997075

00:39:43.755 --> 00:39:45.035 led on and on by

NOTE Confidence: 0.97997075

00:39:45.035 --> 00:39:46.795 invisible ships at night to

NOTE Confidence: 0.97997075

00:39:46.795 --> 00:39:48.575 where clouds disappear in tomorrow's

NOTE Confidence: 0.97997075

00:39:48.714 --> 00:39:50.190 beams of light. Could it

NOTE Confidence: 0.97997075

00:39:50.190 --> 00:39:51.230 be out there? A bit

NOTE Confidence: 0.97997075

00:39:51.230 --> 00:39:52.210 of joy awaits

NOTE Confidence: 0.9535465

00:39:52.510 --> 00:39:54.030 and Karen's old ferry boat

NOTE Confidence: 0.9535465

00:39:54.030 --> 00:39:55.570 can sail some other place.

NOTE Confidence: 0.94654953

00:39:56.030 --> 00:39:57.630 And I recognize that Rosa

NOTE Confidence: 0.94654953

00:39:57.630 --> 00:39:59.390 Abraham's words were so much
NOTE Confidence: 0.94654953

00:39:59.390 --> 00:40:00.830 more powerful than anything I
NOTE Confidence: 0.94654953

00:40:00.830 --> 00:40:02.109 could ever write in terms
NOTE Confidence: 0.94654953

00:40:02.109 --> 00:40:02.609 of
NOTE Confidence: 0.993773

00:40:03.125 --> 00:40:04.484 giving people a sense of
NOTE Confidence: 0.993773

00:40:04.484 --> 00:40:05.704 of the challenge,
NOTE Confidence: 0.9974939

00:40:06.165 --> 00:40:08.025 right, of dealing with having,
NOTE Confidence: 0.99769515

00:40:08.805 --> 00:40:10.005 come down with polio in
NOTE Confidence: 0.99769515

00:40:10.005 --> 00:40:10.665 this way.
NOTE Confidence: 0.98322845

00:40:11.204 --> 00:40:12.484 And that was really a
NOTE Confidence: 0.98322845

00:40:12.484 --> 00:40:14.165 huge insight that as much
NOTE Confidence: 0.98322845

00:40:14.165 --> 00:40:14.905 as possible
NOTE Confidence: 0.998573

00:40:15.440 --> 00:40:17.440 using people's words and not
NOTE Confidence: 0.998573

00:40:17.440 --> 00:40:17.940 mine,
NOTE Confidence: 0.99476445

00:40:18.400 --> 00:40:19.700 was way more powerful.
NOTE Confidence: 0.9986217

00:40:20.240 --> 00:40:20.740 And

NOTE Confidence: 0.95633733

00:40:21.200 --> 00:40:22.560 the, the, the par, the

NOTE Confidence: 0.95633733

00:40:22.560 --> 00:40:23.680 section in my book where

NOTE Confidence: 0.95633733

00:40:23.680 --> 00:40:24.980 I felt this most strongly

NOTE Confidence: 0.95995593

00:40:25.760 --> 00:40:27.200 was in the section where

NOTE Confidence: 0.95995593

00:40:27.200 --> 00:40:28.245 I was trying to get

NOTE Confidence: 0.95995593

00:40:28.325 --> 00:40:29.205 across the fact that, of

NOTE Confidence: 0.95995593

00:40:29.205 --> 00:40:30.805 course, many people survived, they

NOTE Confidence: 0.95995593

00:40:30.805 --> 00:40:32.405 reduced the mortality. These med

NOTE Confidence: 0.95995593

00:40:32.405 --> 00:40:34.105 students had this incredible experience,

NOTE Confidence: 0.9820865

00:40:34.485 --> 00:40:35.925 but it was also incredibly

NOTE Confidence: 0.9820865

00:40:35.925 --> 00:40:37.785 traumatic for these students. Right?

NOTE Confidence: 0.99337095

00:40:38.485 --> 00:40:40.725 And in understanding the toll

NOTE Confidence: 0.99337095

00:40:40.725 --> 00:40:41.465 of death,

NOTE Confidence: 0.98146236

00:40:42.819 --> 00:40:43.859 one of the medical students

NOTE Confidence: 0.98146236

00:40:43.859 --> 00:40:44.980 was interviewed not by me,

NOTE Confidence: 0.98146236

00:40:44.980 --> 00:40:46.500 but by another doctor earlier
NOTE Confidence: 0.98146236

00:40:46.500 --> 00:40:48.260 on before he died. And
NOTE Confidence: 0.98146236

00:40:48.260 --> 00:40:50.099 he described finishing taking care
NOTE Confidence: 0.98146236

00:40:50.099 --> 00:40:51.219 of patients after months in
NOTE Confidence: 0.98146236

00:40:51.219 --> 00:40:52.420 the hospital, going back to
NOTE Confidence: 0.98146236

00:40:52.420 --> 00:40:53.559 being a medical student,
NOTE Confidence: 0.9962765

00:40:54.020 --> 00:40:55.059 and sort of being in
NOTE Confidence: 0.9962765

00:40:55.059 --> 00:40:55.719 this fog
NOTE Confidence: 0.9064375

00:40:56.295 --> 00:40:57.575 and not really needing able
NOTE Confidence: 0.9064375

00:40:57.575 --> 00:40:59.575 to concentrate and taking a
NOTE Confidence: 0.9064375

00:40:59.575 --> 00:41:00.075 vacation
NOTE Confidence: 0.99448454

00:41:00.375 --> 00:41:02.155 to go skiing by himself
NOTE Confidence: 0.9824463

00:41:02.535 --> 00:41:03.915 and sitting at dinner.
NOTE Confidence: 0.9978054

00:41:04.535 --> 00:41:05.734 And this is what he
NOTE Confidence: 0.9978054

00:41:05.734 --> 00:41:06.234 told,
NOTE Confidence: 0.90384

00:41:06.535 --> 00:41:08.395 Paul Warworker who who,

NOTE Confidence: 0.9784757

00:41:08.855 --> 00:41:10.800 recorded this. I said little

NOTE Confidence: 0.9784757

00:41:10.800 --> 00:41:12.480 during the meal, concentrating on

NOTE Confidence: 0.9784757

00:41:12.480 --> 00:41:14.320 eating. I would occasionally return

NOTE Confidence: 0.9784757

00:41:14.320 --> 00:41:15.760 conversation, but rarely took the

NOTE Confidence: 0.9784757

00:41:15.760 --> 00:41:16.260 lead.

NOTE Confidence: 0.97839624

00:41:16.640 --> 00:41:17.920 As the dessert was served,

NOTE Confidence: 0.97839624

00:41:17.920 --> 00:41:18.800 one of the other guests

NOTE Confidence: 0.97839624

00:41:18.800 --> 00:41:20.660 unexpectedly cracked a body joke.

NOTE Confidence: 0.97839624

00:41:20.720 --> 00:41:22.640 After a momentary embarrassed pause,

NOTE Confidence: 0.97839624

00:41:22.640 --> 00:41:23.920 all in the room roared

NOTE Confidence: 0.97839624

00:41:23.920 --> 00:41:24.660 with laughter,

NOTE Confidence: 0.99951047

00:41:25.025 --> 00:41:26.725 none more so than myself.

NOTE Confidence: 0.96621335

00:41:27.585 --> 00:41:28.625 It seemed that a safety

NOTE Confidence: 0.96621335

00:41:28.625 --> 00:41:30.225 valve had opened, and suddenly

NOTE Confidence: 0.96621335

00:41:30.225 --> 00:41:31.344 I felt able to cast

NOTE Confidence: 0.96621335

00:41:31.344 --> 00:41:32.945 off my reserve. But as
NOTE Confidence: 0.96621335

00:41:32.945 --> 00:41:34.305 I laughed, the tears started
NOTE Confidence: 0.96621335

00:41:34.305 --> 00:41:35.344 to flow, and the laugh
NOTE Confidence: 0.96621335

00:41:35.344 --> 00:41:36.805 slowly changed into cries,
NOTE Confidence: 0.96350896

00:41:37.185 --> 00:41:39.045 heart wrenching, soulful wails.
NOTE Confidence: 0.97818583

00:41:39.505 --> 00:41:41.160 At first, unnoticed, gradually, one
NOTE Confidence: 0.97818583

00:41:41.160 --> 00:41:42.599 by one, the diners stopped
NOTE Confidence: 0.97818583

00:41:42.599 --> 00:41:44.119 laughing until the whole table
NOTE Confidence: 0.97818583

00:41:44.119 --> 00:41:45.239 went silent and stared at
NOTE Confidence: 0.97818583

00:41:45.239 --> 00:41:46.460 me, their mouths open.
NOTE Confidence: 0.9648649

00:41:47.000 --> 00:41:48.040 I buried my head in
NOTE Confidence: 0.9648649

00:41:48.040 --> 00:41:49.319 my hands, and at last,
NOTE Confidence: 0.9648649

00:41:49.319 --> 00:41:50.760 the cries and mourning and
NOTE Confidence: 0.9648649

00:41:50.760 --> 00:41:52.380 tears for the children came.
NOTE Confidence: 0.96014255

00:41:54.114 --> 00:41:55.315 You know? And so I
NOTE Confidence: 0.96014255

00:41:55.475 --> 00:41:56.435 I'm as you can tell,

NOTE Confidence: 0.96014255
00:41:56.435 --> 00:41:57.575 I still have trouble
NOTE Confidence: 0.9330163
00:41:58.035 --> 00:41:58.855 reading that.
NOTE Confidence: 0.9957152
00:41:59.315 --> 00:42:00.275 I knew that I could
NOTE Confidence: 0.9957152
00:42:00.275 --> 00:42:00.775 never
NOTE Confidence: 0.9972795
00:42:01.155 --> 00:42:01.975 come close
NOTE Confidence: 0.98479193
00:42:02.915 --> 00:42:04.355 to this man's own words
NOTE Confidence: 0.98479193
00:42:04.355 --> 00:42:05.315 about what it was like
NOTE Confidence: 0.98479193
00:42:05.315 --> 00:42:06.530 to go through that. And
NOTE Confidence: 0.98479193
00:42:06.530 --> 00:42:07.810 that was an important lesson
NOTE Confidence: 0.98479193
00:42:07.810 --> 00:42:09.010 for me, which was that
NOTE Confidence: 0.98479193
00:42:09.010 --> 00:42:10.150 as much as possible
NOTE Confidence: 0.96657467
00:42:10.450 --> 00:42:11.730 to get their voices in
NOTE Confidence: 0.96657467
00:42:11.730 --> 00:42:12.390 the book.
NOTE Confidence: 0.9812725
00:42:13.650 --> 00:42:14.770 I just wanna end by
NOTE Confidence: 0.9812725
00:42:14.770 --> 00:42:15.890 kind of one note about
NOTE Confidence: 0.9812725

00:42:15.890 --> 00:42:17.010 the writing. I'm very happy
NOTE Confidence: 0.9812725

00:42:17.010 --> 00:42:18.369 to talk more about this,
NOTE Confidence: 0.99522907

00:42:18.995 --> 00:42:19.875 but a lot of people
NOTE Confidence: 0.99522907

00:42:19.875 --> 00:42:20.835 ask me just about the
NOTE Confidence: 0.99522907

00:42:20.835 --> 00:42:21.955 process and sort of how
NOTE Confidence: 0.99522907

00:42:21.955 --> 00:42:22.935 long this took.
NOTE Confidence: 0.9916888

00:42:23.475 --> 00:42:24.995 And so my little timeline
NOTE Confidence: 0.9916888

00:42:24.995 --> 00:42:25.875 is that it was many
NOTE Confidence: 0.9916888

00:42:25.875 --> 00:42:27.075 years of contemplation. You know,
NOTE Confidence: 0.9916888

00:42:27.075 --> 00:42:28.275 I read this story about
NOTE Confidence: 0.9916888

00:42:28.275 --> 00:42:29.875 this epidemic back in twenty
NOTE Confidence: 0.9916888

00:42:29.875 --> 00:42:31.395 twenty one, sorry, two thousand
NOTE Confidence: 0.9916888

00:42:31.395 --> 00:42:32.940 and one. And I started
NOTE Confidence: 0.9916888

00:42:33.080 --> 00:42:34.840 thinking about really writing probably
NOTE Confidence: 0.9916888

00:42:34.840 --> 00:42:36.300 in about twenty eighteen.
NOTE Confidence: 0.98600554

00:42:37.160 --> 00:42:38.360 I did about two years

NOTE Confidence: 0.98600554
00:42:38.360 --> 00:42:39.960 of research and writing before
NOTE Confidence: 0.98600554
00:42:39.960 --> 00:42:41.080 then taking a, a year
NOTE Confidence: 0.98600554
00:42:41.080 --> 00:42:42.920 long sabbatical. And for anybody,
NOTE Confidence: 0.98600554
00:42:42.920 --> 00:42:44.200 whoever has the opportunity to
NOTE Confidence: 0.98600554
00:42:44.200 --> 00:42:45.640 take a sabbatical, I say,
NOTE Confidence: 0.98600554
00:42:45.640 --> 00:42:47.145 go for it. It's the
NOTE Confidence: 0.98600554
00:42:47.145 --> 00:42:48.425 most wonderful experience to be
NOTE Confidence: 0.98600554
00:42:48.425 --> 00:42:49.225 able to step away and
NOTE Confidence: 0.98600554
00:42:49.225 --> 00:42:50.105 do something a little bit
NOTE Confidence: 0.98600554
00:42:50.105 --> 00:42:50.605 different.
NOTE Confidence: 0.99797773
00:42:50.985 --> 00:42:51.864 And then there was a
NOTE Confidence: 0.99797773
00:42:51.864 --> 00:42:52.765 year of editing,
NOTE Confidence: 0.99583733
00:42:53.225 --> 00:42:54.985 that came after that. And
NOTE Confidence: 0.99583733
00:42:54.985 --> 00:42:55.785 so just to give you
NOTE Confidence: 0.99583733
00:42:55.785 --> 00:42:57.005 a sense of the intensity
NOTE Confidence: 0.99583733

00:42:57.145 --> 00:42:58.685 of this process,
NOTE Confidence: 0.967346
00:42:59.500 --> 00:43:00.700 once I'd finished the first
NOTE Confidence: 0.967346
00:43:00.700 --> 00:43:01.900 draft, I sent it to
NOTE Confidence: 0.967346
00:43:01.900 --> 00:43:03.980 two readers of my choosing,
NOTE Confidence: 0.967346
00:43:03.980 --> 00:43:05.020 two friends who happened to
NOTE Confidence: 0.967346
00:43:05.020 --> 00:43:06.220 both have been book editors
NOTE Confidence: 0.967346
00:43:06.220 --> 00:43:07.040 in their past,
NOTE Confidence: 0.99763006
00:43:07.340 --> 00:43:08.220 and they gave me a
NOTE Confidence: 0.99763006
00:43:08.220 --> 00:43:09.500 lot of feedback. I then
NOTE Confidence: 0.99763006
00:43:09.500 --> 00:43:11.260 had six second readers, a
NOTE Confidence: 0.99763006
00:43:11.260 --> 00:43:12.560 whole range of people,
NOTE Confidence: 0.99783564
00:43:13.045 --> 00:43:13.545 historian,
NOTE Confidence: 0.9636026
00:43:14.165 --> 00:43:15.705 a writer, a scientist,
NOTE Confidence: 0.9344401
00:43:16.005 --> 00:43:17.205 you know, kind of really
NOTE Confidence: 0.9344401
00:43:17.205 --> 00:43:18.325 trying to get a broad
NOTE Confidence: 0.9344401
00:43:18.325 --> 00:43:19.685 swath of individuals with very

NOTE Confidence: 0.9344401
00:43:19.685 --> 00:43:20.585 different perspectives,
NOTE Confidence: 0.95388687
00:43:21.285 --> 00:43:22.825 polio survivor as well.
NOTE Confidence: 0.95692384
00:43:23.605 --> 00:43:25.285 Submitted the first draft, and
NOTE Confidence: 0.95692384
00:43:25.285 --> 00:43:26.485 then I got did first
NOTE Confidence: 0.95692384
00:43:26.485 --> 00:43:27.785 edits from the editor.
NOTE Confidence: 0.9864777
00:43:28.460 --> 00:43:30.140 I actually paid fact checkers
NOTE Confidence: 0.9864777
00:43:30.140 --> 00:43:31.099 to go through it. Thank
NOTE Confidence: 0.9864777
00:43:31.099 --> 00:43:32.059 god I did. They found
NOTE Confidence: 0.9864777
00:43:32.059 --> 00:43:33.180 all kinds of mistakes that
NOTE Confidence: 0.9864777
00:43:33.180 --> 00:43:34.160 had crept in.
NOTE Confidence: 0.9981659
00:43:35.259 --> 00:43:36.299 There was a second round
NOTE Confidence: 0.9981659
00:43:36.299 --> 00:43:37.660 of edits with my editor.
NOTE Confidence: 0.9981659
00:43:37.660 --> 00:43:39.019 There was a first copy
NOTE Confidence: 0.9981659
00:43:39.019 --> 00:43:40.219 edit. There was a second
NOTE Confidence: 0.9981659
00:43:40.219 --> 00:43:41.739 copy edit. There was a
NOTE Confidence: 0.9981659

00:43:41.739 --> 00:43:43.464 first proofread and a second
NOTE Confidence: 0.9981659

00:43:43.464 --> 00:43:43.964 proofread.
NOTE Confidence: 0.94605374

00:43:44.665 --> 00:43:45.464 And I put that up
NOTE Confidence: 0.94605374

00:43:45.464 --> 00:43:46.344 there because that is very
NOTE Confidence: 0.94605374

00:43:46.344 --> 00:43:47.625 different from the process of
NOTE Confidence: 0.94605374

00:43:47.625 --> 00:43:49.224 thing writing a medical paper
NOTE Confidence: 0.94605374

00:43:49.224 --> 00:43:50.344 where, you know, there might
NOTE Confidence: 0.94605374

00:43:50.344 --> 00:43:51.305 be kind of one round
NOTE Confidence: 0.94605374

00:43:51.305 --> 00:43:52.344 of edits, but not much
NOTE Confidence: 0.94605374

00:43:52.344 --> 00:43:53.244 more than that.
NOTE Confidence: 0.9702943

00:43:53.625 --> 00:43:55.565 And it was extraordinary experience.
NOTE Confidence: 0.9079204

00:43:55.864 --> 00:43:57.600 Highly recommend it. Not for
NOTE Confidence: 0.9079204

00:43:57.600 --> 00:43:58.480 everybody, but,
NOTE Confidence: 0.93689543

00:43:58.960 --> 00:44:00.240 but it was, it, it
NOTE Confidence: 0.93689543

00:44:00.240 --> 00:44:00.740 really
NOTE Confidence: 0.9941644

00:44:01.120 --> 00:44:03.120 was incredibly satisfying to go

NOTE Confidence: 0.9941644

00:44:03.120 --> 00:44:04.100 through this process.

NOTE Confidence: 0.99709296

00:44:05.440 --> 00:44:06.320 I wanna leave you with

NOTE Confidence: 0.99709296

00:44:06.320 --> 00:44:07.300 one last film.

NOTE Confidence: 0.9966394

00:44:07.600 --> 00:44:08.640 It's not about the writing

NOTE Confidence: 0.9966394

00:44:08.640 --> 00:44:10.960 experience, but it's, really some

NOTE Confidence: 0.9966394

00:44:10.960 --> 00:44:12.240 of the most amazing footage.

NOTE Confidence: 0.9966394

00:44:12.240 --> 00:44:13.244 This is from after the

NOTE Confidence: 0.9966394

00:44:13.244 --> 00:44:13.744 epidemic.

NOTE Confidence: 0.9739316

00:44:14.364 --> 00:44:15.404 As I mentioned, a few

NOTE Confidence: 0.9739316

00:44:15.404 --> 00:44:17.005 patients, exactly twenty five of

NOTE Confidence: 0.9739316

00:44:17.005 --> 00:44:18.785 them, never came off ventilators

NOTE Confidence: 0.97186923

00:44:19.244 --> 00:44:20.924 and remained in the hospital

NOTE Confidence: 0.97186923

00:44:20.924 --> 00:44:21.984 and ventilator dependent.

NOTE Confidence: 0.9801558

00:44:22.285 --> 00:44:23.904 But what's extraordinary is ventilators

NOTE Confidence: 0.9801558

00:44:23.964 --> 00:44:25.640 have barely been invented. And

NOTE Confidence: 0.9801558

00:44:25.640 --> 00:44:27.400 I find this amazing that
NOTE Confidence: 0.9801558

00:44:27.400 --> 00:44:28.780 they're getting them outside
NOTE Confidence: 0.99085003

00:44:29.400 --> 00:44:31.000 and into the sunshine and
NOTE Confidence: 0.99085003

00:44:31.000 --> 00:44:32.200 sort of haven't lost that
NOTE Confidence: 0.99085003

00:44:32.200 --> 00:44:33.180 sense of humanity,
NOTE Confidence: 0.9913169

00:44:34.280 --> 00:44:35.739 about the care. Now
NOTE Confidence: 0.9655375

00:44:36.040 --> 00:44:37.480 not recommending we do everything
NOTE Confidence: 0.9655375

00:44:37.480 --> 00:44:38.540 they did back then.
NOTE Confidence: 0.96624726

00:44:39.185 --> 00:44:40.305 I cringe every time I
NOTE Confidence: 0.96624726

00:44:40.305 --> 00:44:41.265 see that, although I do
NOTE Confidence: 0.96624726

00:44:41.265 --> 00:44:42.385 think that the probably this
NOTE Confidence: 0.96624726

00:44:42.385 --> 00:44:43.665 person is on air in
NOTE Confidence: 0.96624726

00:44:43.665 --> 00:44:45.285 that canister and not oxygen.
NOTE Confidence: 0.98650503

00:44:45.905 --> 00:44:46.705 But, you know, I think
NOTE Confidence: 0.98650503

00:44:46.705 --> 00:44:48.385 it's just an amazing imagery,
NOTE Confidence: 0.98650503

00:44:48.385 --> 00:44:49.505 and it sort of spurs

NOTE Confidence: 0.98650503
00:44:49.745 --> 00:44:51.185 should spur us on to
NOTE Confidence: 0.98650503
00:44:51.185 --> 00:44:52.325 really think about
NOTE Confidence: 0.97751653
00:44:52.705 --> 00:44:54.325 how we treat our patients,
NOTE Confidence: 0.9914449
00:44:54.810 --> 00:44:55.690 kind of every day. I
NOTE Confidence: 0.9914449
00:44:55.690 --> 00:44:56.650 mean, look at the like,
NOTE Confidence: 0.9914449
00:44:56.650 --> 00:44:58.650 how simple this old fashioned
NOTE Confidence: 0.9914449
00:44:58.650 --> 00:44:59.630 ventilator is.
NOTE Confidence: 0.975004
00:44:59.930 --> 00:45:01.530 And then, the the tail
NOTE Confidence: 0.975004
00:45:01.530 --> 00:45:02.890 end here is this little
NOTE Confidence: 0.975004
00:45:02.890 --> 00:45:04.090 guy. And if you when
NOTE Confidence: 0.975004
00:45:04.090 --> 00:45:05.050 he gets closer, you'll see
NOTE Confidence: 0.975004
00:45:05.050 --> 00:45:06.250 he has a tracheostomy in
NOTE Confidence: 0.975004
00:45:06.250 --> 00:45:06.969 place. So he's been on
NOTE Confidence: 0.975004
00:45:07.050 --> 00:45:07.870 he's been ventilated,
NOTE Confidence: 0.982679
00:45:08.535 --> 00:45:09.175 and you can see he's
NOTE Confidence: 0.982679

00:45:09.175 --> 00:45:10.214 now breathing again on his
NOTE Confidence: 0.982679

00:45:10.214 --> 00:45:11.175 own, but you can also
NOTE Confidence: 0.982679

00:45:11.175 --> 00:45:12.214 see that his arms are
NOTE Confidence: 0.982679

00:45:12.214 --> 00:45:13.575 still paralyzed, and he's in
NOTE Confidence: 0.982679

00:45:13.575 --> 00:45:14.395 those slings.
NOTE Confidence: 0.97944885

00:45:15.015 --> 00:45:16.295 And it's this little guy
NOTE Confidence: 0.97944885

00:45:16.295 --> 00:45:17.734 who has always stayed with
NOTE Confidence: 0.97944885

00:45:17.734 --> 00:45:18.234 me,
NOTE Confidence: 0.99917656

00:45:19.094 --> 00:45:19.594 really
NOTE Confidence: 0.9824862

00:45:19.895 --> 00:45:20.714 just recognizing
NOTE Confidence: 0.9786572

00:45:21.175 --> 00:45:21.675 that
NOTE Confidence: 0.9890106

00:45:21.980 --> 00:45:23.339 they couldn't make that paralysis
NOTE Confidence: 0.9890106

00:45:23.339 --> 00:45:24.299 go away. Right? We don't
NOTE Confidence: 0.9890106

00:45:24.299 --> 00:45:25.420 have any way to reverse
NOTE Confidence: 0.9890106

00:45:25.420 --> 00:45:27.339 paralysis in these patients, but
NOTE Confidence: 0.9890106

00:45:27.339 --> 00:45:28.299 someone did take the time

NOTE Confidence: 0.9890106
00:45:28.299 --> 00:45:29.739 to pin those sheriff's badges
NOTE Confidence: 0.9890106
00:45:29.739 --> 00:45:30.779 on him to try to
NOTE Confidence: 0.9890106
00:45:30.779 --> 00:45:31.980 make him have maybe a
NOTE Confidence: 0.9890106
00:45:31.980 --> 00:45:33.180 slightly better day and feel
NOTE Confidence: 0.9890106
00:45:33.180 --> 00:45:34.480 a little better about things.
NOTE Confidence: 0.9890106
00:45:34.765 --> 00:45:35.805 And that's always what I
NOTE Confidence: 0.9890106
00:45:35.805 --> 00:45:36.925 would take to the bedside
NOTE Confidence: 0.9890106
00:45:36.925 --> 00:45:37.805 with me when I was
NOTE Confidence: 0.9890106
00:45:37.805 --> 00:45:38.925 seeing patients of sort of
NOTE Confidence: 0.9890106
00:45:38.925 --> 00:45:40.125 thinking, you know, in the
NOTE Confidence: 0.9890106
00:45:40.125 --> 00:45:41.645 ICU, there's all this machinery
NOTE Confidence: 0.9890106
00:45:41.645 --> 00:45:43.484 and ventilators and ECMO and
NOTE Confidence: 0.9890106
00:45:43.484 --> 00:45:45.165 dialysis machines, and there's not
NOTE Confidence: 0.9890106
00:45:45.165 --> 00:45:45.965 a lot I can do
NOTE Confidence: 0.9890106
00:45:45.965 --> 00:45:46.945 most of the time.
NOTE Confidence: 0.7318999

00:45:47.325 --> 00:45:47.825 And
NOTE Confidence: 0.95555115
00:45:48.320 --> 00:45:49.440 often it's like a cup
NOTE Confidence: 0.95555115
00:45:49.440 --> 00:45:51.140 of coffee for someone or
NOTE Confidence: 0.99981546
00:45:51.680 --> 00:45:52.660 an extra blanket
NOTE Confidence: 0.9860895
00:45:53.040 --> 00:45:54.239 and a squeeze of the
NOTE Confidence: 0.9860895
00:45:54.239 --> 00:45:55.520 hand. And at the end
NOTE Confidence: 0.9860895
00:45:55.520 --> 00:45:56.560 of the day, actually, that's
NOTE Confidence: 0.9860895
00:45:56.560 --> 00:45:58.020 what our patients and families
NOTE Confidence: 0.99568886
00:45:58.400 --> 00:46:00.080 remember about the care that's
NOTE Confidence: 0.99568886
00:46:00.080 --> 00:46:01.460 provided more than anything.
NOTE Confidence: 0.9975134
00:46:01.760 --> 00:46:03.315 And so I hope that
NOTE Confidence: 0.9975134
00:46:03.315 --> 00:46:04.355 you'll take this little guy
NOTE Confidence: 0.9975134
00:46:04.355 --> 00:46:05.655 with you on your journeys
NOTE Confidence: 0.9975134
00:46:05.714 --> 00:46:07.335 through patient care as well.
NOTE Confidence: 0.96538085
00:46:08.195 --> 00:46:09.895 So I'm gonna stop there.
NOTE Confidence: 0.96538085
00:46:10.114 --> 00:46:11.395 And, this is my book,

NOTE Confidence: 0.96538085
00:46:11.395 --> 00:46:12.435 The Autumn Ghost. It is
NOTE Confidence: 0.96538085
00:46:12.435 --> 00:46:13.714 written for the general public.
NOTE Confidence: 0.99935526
00:46:14.195 --> 00:46:15.315 It's written to not be
NOTE Confidence: 0.99935526
00:46:15.315 --> 00:46:16.355 annoying to people who are
NOTE Confidence: 0.99935526
00:46:16.355 --> 00:46:17.015 in medicine
NOTE Confidence: 0.9978937
00:46:17.400 --> 00:46:18.520 so that it should be,
NOTE Confidence: 0.9978937
00:46:18.839 --> 00:46:20.059 enjoyable by all.
NOTE Confidence: 0.9970816
00:46:20.440 --> 00:46:20.839 It's,
NOTE Confidence: 0.97470874
00:46:21.239 --> 00:46:22.599 mostly just a good story,
NOTE Confidence: 0.97470874
00:46:22.599 --> 00:46:24.359 but, I'm happy to answer
NOTE Confidence: 0.97470874
00:46:24.359 --> 00:46:25.239 any questions. And as you
NOTE Confidence: 0.97470874
00:46:25.239 --> 00:46:26.119 can see, my email's up
NOTE Confidence: 0.97470874
00:46:26.119 --> 00:46:27.020 there as well.
NOTE Confidence: 0.8392594
00:46:33.805 --> 00:46:34.305 Questions?
NOTE Confidence: 0.8905487
00:46:36.444 --> 00:46:38.224 I'll ask a question. Yeah.
NOTE Confidence: 0.9975506

00:46:40.605 --> 00:46:42.625 I appreciated that process slide

NOTE Confidence: 0.9084272

00:46:43.469 --> 00:46:44.290 and the timeline

NOTE Confidence: 0.6831298

00:46:44.590 --> 00:46:45.090 because

NOTE Confidence: 0.98108774

00:46:46.190 --> 00:46:47.390 I I can imagine I

NOTE Confidence: 0.98108774

00:46:47.390 --> 00:46:48.590 really like I loved hearing

NOTE Confidence: 0.98108774

00:46:48.590 --> 00:46:49.090 about

NOTE Confidence: 0.9994755

00:46:50.510 --> 00:46:51.730 your data gathering

NOTE Confidence: 0.97303754

00:46:52.030 --> 00:46:53.489 and all the different modalities.

NOTE Confidence: 0.9903532

00:46:54.190 --> 00:46:55.469 But I imagine you could

NOTE Confidence: 0.9903532

00:46:55.469 --> 00:46:56.270 have written a book that

NOTE Confidence: 0.9903532

00:46:56.270 --> 00:46:57.730 was a thousand pages long.

NOTE Confidence: 0.9903532

00:46:57.869 --> 00:46:58.965 And how did you make

NOTE Confidence: 0.9903532

00:46:59.045 --> 00:47:00.165 decisions about what to keep

NOTE Confidence: 0.9903532

00:47:00.165 --> 00:47:01.305 and what not to keep?

NOTE Confidence: 0.9903532

00:47:01.605 --> 00:47:02.725 Well, you know, it's interesting.

NOTE Confidence: 0.9903532

00:47:02.725 --> 00:47:04.165 I, was chatting when I

NOTE Confidence: 0.9903532
00:47:04.165 --> 00:47:05.045 was first starting to write
NOTE Confidence: 0.9903532
00:47:05.045 --> 00:47:06.805 this with someone who is
NOTE Confidence: 0.9903532
00:47:06.805 --> 00:47:07.765 a she's a professor of
NOTE Confidence: 0.9903532
00:47:07.765 --> 00:47:09.765 philosophy, but she, she actually
NOTE Confidence: 0.9903532
00:47:09.765 --> 00:47:11.045 was critically ill herself and
NOTE Confidence: 0.9903532
00:47:11.045 --> 00:47:12.505 and interacts a lot
NOTE Confidence: 0.989992
00:47:12.969 --> 00:47:14.489 with the critical care community
NOTE Confidence: 0.989992
00:47:14.489 --> 00:47:15.770 and has written papers with
NOTE Confidence: 0.989992
00:47:15.770 --> 00:47:16.810 people in critical care. So
NOTE Confidence: 0.989992
00:47:16.810 --> 00:47:17.870 she knows our world.
NOTE Confidence: 0.9722883
00:47:18.330 --> 00:47:19.050 And she had said to
NOTE Confidence: 0.9722883
00:47:19.050 --> 00:47:19.770 me, she said, I know
NOTE Confidence: 0.9722883
00:47:19.770 --> 00:47:20.730 what your problem is gonna
NOTE Confidence: 0.9722883
00:47:20.730 --> 00:47:22.010 be. Your problem is gonna
NOTE Confidence: 0.9722883
00:47:22.010 --> 00:47:23.290 be that you're used to
NOTE Confidence: 0.9722883

00:47:23.290 --> 00:47:24.645 writing twenty five hundred words,

NOTE Confidence: 0.9987691

00:47:25.445 --> 00:47:26.485 and now you have to

NOTE Confidence: 0.9987691

00:47:26.485 --> 00:47:27.285 write a lot more than

NOTE Confidence: 0.9987691

00:47:27.285 --> 00:47:29.364 that. And figuring out how

NOTE Confidence: 0.9987691

00:47:29.364 --> 00:47:30.185 to expand

NOTE Confidence: 0.5927071

00:47:30.565 --> 00:47:31.065 actually

NOTE Confidence: 0.98834175

00:47:31.685 --> 00:47:32.185 was

NOTE Confidence: 0.9973237

00:47:32.565 --> 00:47:33.364 a little bit more of

NOTE Confidence: 0.9973237

00:47:33.364 --> 00:47:33.945 a challenge.

NOTE Confidence: 0.9702672

00:47:34.885 --> 00:47:35.925 To your point, though, then

NOTE Confidence: 0.9702672

00:47:35.925 --> 00:47:36.645 you go to the other

NOTE Confidence: 0.9702672

00:47:36.645 --> 00:47:37.765 extreme where, you know, once

NOTE Confidence: 0.9702672

00:47:37.765 --> 00:47:38.725 you've kind of figured out

NOTE Confidence: 0.9702672

00:47:38.725 --> 00:47:40.320 how to expand and and,

NOTE Confidence: 0.9702672

00:47:40.320 --> 00:47:41.360 honestly, it is things like

NOTE Confidence: 0.9702672

00:47:41.360 --> 00:47:42.400 learning how to just put

NOTE Confidence: 0.9702672
00:47:42.400 --> 00:47:43.940 in the detail that you
NOTE Confidence: 0.9702672
00:47:44.080 --> 00:47:45.760 inherently take out in medical
NOTE Confidence: 0.9702672
00:47:45.760 --> 00:47:46.260 descriptions.
NOTE Confidence: 0.9529042
00:47:48.080 --> 00:47:49.440 There was some of that.
NOTE Confidence: 0.9529042
00:47:49.440 --> 00:47:49.920 And,
NOTE Confidence: 0.9983441
00:47:50.640 --> 00:47:51.860 I actually had a
NOTE Confidence: 0.95174545
00:47:52.395 --> 00:47:54.075 crisis moment where we had
NOTE Confidence: 0.95174545
00:47:54.075 --> 00:47:55.114 actually already gone to copy
NOTE Confidence: 0.95174545
00:47:55.114 --> 00:47:57.195 editing, and the publisher came
NOTE Confidence: 0.95174545
00:47:57.195 --> 00:47:58.155 back to me and said
NOTE Confidence: 0.95174545
00:47:58.155 --> 00:47:59.295 the book is too long.
NOTE Confidence: 0.9659966
00:48:00.155 --> 00:48:01.835 We've done the math. And
NOTE Confidence: 0.9659966
00:48:01.835 --> 00:48:03.035 if we publish it with
NOTE Confidence: 0.9659966
00:48:03.035 --> 00:48:04.235 this many pages, it'll be
NOTE Confidence: 0.9659966
00:48:04.235 --> 00:48:05.355 too expensive a book, and
NOTE Confidence: 0.9659966

00:48:05.355 --> 00:48:06.715 you've gotta cut nine thousand
NOTE Confidence: 0.9659966

00:48:06.715 --> 00:48:08.279 words in a week.
NOTE Confidence: 0.98190904

00:48:09.619 --> 00:48:10.819 And so that was a
NOTE Confidence: 0.98190904

00:48:10.819 --> 00:48:11.700 little bit of a meltdown
NOTE Confidence: 0.98190904

00:48:11.700 --> 00:48:13.380 moment. But to your point,
NOTE Confidence: 0.98190904

00:48:13.380 --> 00:48:14.099 I did I mean, I've
NOTE Confidence: 0.98190904

00:48:14.099 --> 00:48:15.539 certainly have chapters and pieces
NOTE Confidence: 0.98190904

00:48:15.539 --> 00:48:16.339 that didn't end up in
NOTE Confidence: 0.98190904

00:48:16.339 --> 00:48:17.380 the book, and a lot
NOTE Confidence: 0.98190904

00:48:17.380 --> 00:48:18.420 of that was just a
NOTE Confidence: 0.98190904

00:48:18.420 --> 00:48:19.895 good editor. And,
NOTE Confidence: 0.97919995

00:48:20.435 --> 00:48:21.315 you know, some of it
NOTE Confidence: 0.97919995

00:48:21.315 --> 00:48:22.515 I could do myself in
NOTE Confidence: 0.97919995

00:48:22.515 --> 00:48:23.555 trying to sort of find
NOTE Confidence: 0.97919995

00:48:23.555 --> 00:48:24.675 the rhythm of the story
NOTE Confidence: 0.97919995

00:48:24.675 --> 00:48:25.415 and recognizing

NOTE Confidence: 0.96716523
00:48:25.795 --> 00:48:26.835 you can't go too far
NOTE Confidence: 0.96716523
00:48:26.835 --> 00:48:27.875 down rabbit holes or you
NOTE Confidence: 0.96716523
00:48:27.875 --> 00:48:28.775 lose the reader.
NOTE Confidence: 0.987224
00:48:29.395 --> 00:48:30.515 And some of it was
NOTE Confidence: 0.987224
00:48:30.515 --> 00:48:31.555 my editor coming back to
NOTE Confidence: 0.987224
00:48:31.555 --> 00:48:33.190 me saying, you know, this
NOTE Confidence: 0.987224
00:48:33.190 --> 00:48:34.310 chapter on World War two
NOTE Confidence: 0.987224
00:48:34.310 --> 00:48:35.050 is amazing
NOTE Confidence: 0.9286859
00:48:35.670 --> 00:48:36.630 and two thirds of it
NOTE Confidence: 0.9286859
00:48:36.630 --> 00:48:37.930 has to go because
NOTE Confidence: 0.988384
00:48:38.469 --> 00:48:39.750 it's taking you too far
NOTE Confidence: 0.988384
00:48:39.750 --> 00:48:41.210 outside the main story.
NOTE Confidence: 0.9195898
00:48:41.510 --> 00:48:42.550 And it broke my heart
NOTE Confidence: 0.9195898
00:48:42.550 --> 00:48:43.590 because there was tons of
NOTE Confidence: 0.9195898
00:48:43.590 --> 00:48:44.710 stuff I didn't make in
NOTE Confidence: 0.9195898

00:48:44.710 --> 00:48:45.590 a book and all these
NOTE Confidence: 0.9195898

00:48:45.590 --> 00:48:47.085 anecdotes and all these tidbits
NOTE Confidence: 0.9195898

00:48:47.244 --> 00:48:48.285 that I loved. And, you
NOTE Confidence: 0.9195898

00:48:48.285 --> 00:48:49.405 know, the co the classic
NOTE Confidence: 0.9195898

00:48:49.405 --> 00:48:50.785 phrase of killing your darlings.
NOTE Confidence: 0.9849978

00:48:51.645 --> 00:48:52.605 And but I do think
NOTE Confidence: 0.9849978

00:48:52.605 --> 00:48:54.224 that's where turning to others
NOTE Confidence: 0.9849978

00:48:54.285 --> 00:48:56.224 for help making those decisions
NOTE Confidence: 0.9849978

00:48:56.285 --> 00:48:57.025 really helps.
NOTE Confidence: 0.98014957

00:48:57.484 --> 00:48:58.925 And trying to figure that
NOTE Confidence: 0.98014957

00:48:58.925 --> 00:49:00.130 out for yourself is often
NOTE Confidence: 0.98014957

00:49:00.210 --> 00:49:01.670 you're you're just so blinded
NOTE Confidence: 0.98014957

00:49:01.730 --> 00:49:03.010 by the love of these
NOTE Confidence: 0.98014957

00:49:03.010 --> 00:49:04.530 people and these stories at
NOTE Confidence: 0.98014957

00:49:04.530 --> 00:49:05.430 a certain point.
NOTE Confidence: 0.9618917

00:49:06.210 --> 00:49:07.810 So so I always say,

NOTE Confidence: 0.9618917
00:49:07.810 --> 00:49:08.930 you know and even when
NOTE Confidence: 0.9618917
00:49:08.930 --> 00:49:10.050 writing medical papers, one of
NOTE Confidence: 0.9618917
00:49:10.050 --> 00:49:11.010 the things I'll tell students,
NOTE Confidence: 0.9618917
00:49:11.010 --> 00:49:12.609 I'll say, don't worry about,
NOTE Confidence: 0.9618917
00:49:12.609 --> 00:49:13.730 you know, the the three
NOTE Confidence: 0.9618917
00:49:13.730 --> 00:49:15.090 thousand or twenty five hundred
NOTE Confidence: 0.9618917
00:49:15.090 --> 00:49:16.745 word limit. Write what you
NOTE Confidence: 0.9618917
00:49:16.745 --> 00:49:17.864 need to write, and then
NOTE Confidence: 0.9618917
00:49:17.864 --> 00:49:18.985 we'll pair it down. Like
NOTE Confidence: 0.9618917
00:49:18.985 --> 00:49:20.185 like, that's actually the easy
NOTE Confidence: 0.9618917
00:49:20.185 --> 00:49:21.165 part in a way.
NOTE Confidence: 0.8096397
00:49:21.625 --> 00:49:22.125 Yeah.
NOTE Confidence: 0.8941886
00:49:24.585 --> 00:49:25.785 Lisa and then Lauren and
NOTE Confidence: 0.8941886
00:49:25.785 --> 00:49:27.145 then person in the
NOTE Confidence: 0.73490924
00:49:28.344 --> 00:49:29.485 What was the easiest
NOTE Confidence: 0.9265679

00:49:29.945 --> 00:49:30.445 thing?
NOTE Confidence: 0.9796088

00:49:34.550 --> 00:49:35.670 What was the hardest thing
NOTE Confidence: 0.9796088

00:49:35.670 --> 00:49:36.570 for you to cut?
NOTE Confidence: 0.89185596

00:49:38.070 --> 00:49:39.590 Which darling did you cry
NOTE Confidence: 0.89185596

00:49:39.590 --> 00:49:40.090 over?
NOTE Confidence: 0.99382883

00:49:41.510 --> 00:49:43.050 That's a great question.
NOTE Confidence: 0.92518157

00:49:43.989 --> 00:49:45.030 I think it was, you
NOTE Confidence: 0.92518157

00:49:45.030 --> 00:49:46.090 know, it was
NOTE Confidence: 0.9565053

00:49:46.550 --> 00:49:47.530 some of the descriptions
NOTE Confidence: 0.7424651

00:49:51.645 --> 00:49:52.305 II because
NOTE Confidence: 0.9772988

00:49:52.685 --> 00:49:54.125 I was just so I
NOTE Confidence: 0.9772988

00:49:54.125 --> 00:49:55.005 don't know. Well, I have
NOTE Confidence: 0.9772988

00:49:55.005 --> 00:49:55.645 a little bit of a
NOTE Confidence: 0.9772988

00:49:55.645 --> 00:49:57.344 World War II thing, obviously,
NOTE Confidence: 0.9772988

00:49:57.484 --> 00:49:58.444 that I find it just
NOTE Confidence: 0.9772988

00:49:58.444 --> 00:49:58.944 fascinating.

NOTE Confidence: 0.913483
00:49:59.405 --> 00:50:00.444 But I would just like
NOTE Confidence: 0.913483
00:50:00.444 --> 00:50:02.620 the respect I had for
NOTE Confidence: 0.913483
00:50:02.620 --> 00:50:04.219 what they had done and
NOTE Confidence: 0.913483
00:50:04.219 --> 00:50:05.500 the ways they'd risked their
NOTE Confidence: 0.913483
00:50:05.500 --> 00:50:06.000 lives.
NOTE Confidence: 0.99600875
00:50:06.860 --> 00:50:07.360 And,
NOTE Confidence: 0.9678006
00:50:07.980 --> 00:50:08.860 you know, I could go
NOTE Confidence: 0.9678006
00:50:08.860 --> 00:50:09.739 on and on and on
NOTE Confidence: 0.9678006
00:50:09.739 --> 00:50:11.680 sharing that with people.
NOTE Confidence: 0.99189603
00:50:12.219 --> 00:50:13.340 And so I think I
NOTE Confidence: 0.99189603
00:50:13.340 --> 00:50:14.860 I definitely found that sort
NOTE Confidence: 0.99189603
00:50:14.860 --> 00:50:16.364 of most gut wrenching to
NOTE Confidence: 0.99189603
00:50:16.364 --> 00:50:17.885 have to take out some
NOTE Confidence: 0.99189603
00:50:17.885 --> 00:50:19.885 of that detail and not
NOTE Confidence: 0.99189603
00:50:19.885 --> 00:50:20.925 shove it all in there
NOTE Confidence: 0.99189603

00:50:20.925 --> 00:50:22.864 for people to admire and
NOTE Confidence: 0.99854434

00:50:23.325 --> 00:50:25.425 reflect on these individuals. Yeah.
NOTE Confidence: 0.96767753

00:50:28.779 --> 00:50:30.140 But thank you. Since we're
NOTE Confidence: 0.96767753

00:50:30.140 --> 00:50:31.359 talking about the process,
NOTE Confidence: 0.9115985

00:50:31.660 --> 00:50:33.039 how in in the timeline,
NOTE Confidence: 0.99866873

00:50:33.500 --> 00:50:34.859 how and when did you
NOTE Confidence: 0.99866873

00:50:34.859 --> 00:50:35.759 find a publisher?
NOTE Confidence: 0.9863925

00:50:36.219 --> 00:50:37.099 Like, did you have that
NOTE Confidence: 0.9863925

00:50:37.099 --> 00:50:38.460 in advance or somewhere along
NOTE Confidence: 0.9863925

00:50:38.460 --> 00:50:39.119 the way?
NOTE Confidence: 0.9510423

00:50:39.500 --> 00:50:39.980 So,
NOTE Confidence: 0.98442155

00:50:40.505 --> 00:50:41.625 so getting so if you'd
NOTE Confidence: 0.98442155

00:50:41.705 --> 00:50:42.505 yeah. So if you wanna
NOTE Confidence: 0.98442155

00:50:42.505 --> 00:50:43.225 write a book for the
NOTE Confidence: 0.98442155

00:50:43.225 --> 00:50:44.905 general public, you do generally
NOTE Confidence: 0.98442155

00:50:44.905 --> 00:50:45.805 need an agent

NOTE Confidence: 0.9833677
00:50:46.425 --> 00:50:47.625 to then pitch it to
NOTE Confidence: 0.9833677
00:50:47.625 --> 00:50:48.905 publishers, where if it's an
NOTE Confidence: 0.9833677
00:50:48.905 --> 00:50:50.585 academic press or academic book,
NOTE Confidence: 0.9833677
00:50:50.585 --> 00:50:51.545 you can generally go straight
NOTE Confidence: 0.9833677
00:50:51.545 --> 00:50:52.505 to the editor with your
NOTE Confidence: 0.9833677
00:50:52.505 --> 00:50:53.005 idea.
NOTE Confidence: 0.976563
00:50:53.465 --> 00:50:53.965 And,
NOTE Confidence: 0.96429175
00:50:54.280 --> 00:50:55.320 you know, everyone's a little
NOTE Confidence: 0.96429175
00:50:55.320 --> 00:50:55.960 bit different in the way
NOTE Confidence: 0.96429175
00:50:55.960 --> 00:50:57.080 to do this, but, basically,
NOTE Confidence: 0.96429175
00:50:57.080 --> 00:50:58.120 what you need is a
NOTE Confidence: 0.96429175
00:50:58.120 --> 00:50:59.880 proposal. And you it's about
NOTE Confidence: 0.96429175
00:50:59.880 --> 00:51:01.400 a thirty page proposal. If
NOTE Confidence: 0.96429175
00:51:01.400 --> 00:51:02.680 you write fiction, often they'll
NOTE Confidence: 0.96429175
00:51:02.680 --> 00:51:03.400 want just to see, you
NOTE Confidence: 0.96429175

00:51:03.400 --> 00:51:04.460 know, your whole manuscript.

NOTE Confidence: 0.9823402

00:51:05.160 --> 00:51:06.415 And if you're a super

NOTE Confidence: 0.9823402

00:51:06.415 --> 00:51:07.815 high flying well known writer,

NOTE Confidence: 0.9823402

00:51:07.815 --> 00:51:08.695 you could probably just be

NOTE Confidence: 0.9823402

00:51:08.695 --> 00:51:09.735 like, hey. I wanna write

NOTE Confidence: 0.9823402

00:51:09.735 --> 00:51:10.795 about, you know,

NOTE Confidence: 0.9788069

00:51:11.255 --> 00:51:12.875 I don't know, gun runners

NOTE Confidence: 0.9788069

00:51:12.935 --> 00:51:14.535 in Brazil, and someone's gonna

NOTE Confidence: 0.9788069

00:51:14.535 --> 00:51:15.575 say that sounds great. Here's

NOTE Confidence: 0.9788069

00:51:15.575 --> 00:51:16.614 some money to do it.

NOTE Confidence: 0.9788069

00:51:16.614 --> 00:51:17.575 But if you're an unknown

NOTE Confidence: 0.9788069

00:51:17.575 --> 00:51:19.040 writer, you need to have

NOTE Confidence: 0.9788069

00:51:19.040 --> 00:51:19.859 a a proposal

NOTE Confidence: 0.9800136

00:51:20.400 --> 00:51:21.920 that actually is going to

NOTE Confidence: 0.9800136

00:51:21.920 --> 00:51:22.800 give them a sense of

NOTE Confidence: 0.9800136

00:51:22.800 --> 00:51:23.840 what you're trying to write

NOTE Confidence: 0.9800136
00:51:23.840 --> 00:51:25.200 and all of that. And
NOTE Confidence: 0.9800136
00:51:25.200 --> 00:51:26.480 so in order to actually
NOTE Confidence: 0.9800136
00:51:26.480 --> 00:51:28.480 write that detailed proposal, you
NOTE Confidence: 0.9800136
00:51:28.480 --> 00:51:29.599 in fact need to have
NOTE Confidence: 0.9800136
00:51:29.599 --> 00:51:30.320 done a fair amount of
NOTE Confidence: 0.9800136
00:51:30.320 --> 00:51:31.119 the research and some of
NOTE Confidence: 0.9800136
00:51:31.119 --> 00:51:32.724 the writing already because they're
NOTE Confidence: 0.9800136
00:51:32.724 --> 00:51:34.405 expecting a chapter by chapter
NOTE Confidence: 0.9800136
00:51:34.405 --> 00:51:35.685 outline. So you have to
NOTE Confidence: 0.9800136
00:51:35.685 --> 00:51:36.645 know the entire arc of
NOTE Confidence: 0.9800136
00:51:36.645 --> 00:51:38.244 your story. You have to
NOTE Confidence: 0.9800136
00:51:38.244 --> 00:51:39.205 be able to pitch, you
NOTE Confidence: 0.9800136
00:51:39.205 --> 00:51:40.085 know, what is this about
NOTE Confidence: 0.9800136
00:51:40.085 --> 00:51:41.045 and why should they care
NOTE Confidence: 0.9800136
00:51:41.045 --> 00:51:41.785 about it.
NOTE Confidence: 0.9788671

00:51:42.085 --> 00:51:43.205 And if you're an unknown
NOTE Confidence: 0.9788671

00:51:43.205 --> 00:51:44.260 writer, you also need a
NOTE Confidence: 0.9788671

00:51:44.260 --> 00:51:45.860 a sample chapter. So you
NOTE Confidence: 0.9788671

00:51:45.860 --> 00:51:46.900 have to have done enough
NOTE Confidence: 0.9788671

00:51:46.900 --> 00:51:48.180 of the detailed research to
NOTE Confidence: 0.9788671

00:51:48.180 --> 00:51:49.060 be able to put together,
NOTE Confidence: 0.9788671

00:51:49.060 --> 00:51:49.860 and it might not be
NOTE Confidence: 0.9788671

00:51:49.860 --> 00:51:50.900 the final version of it,
NOTE Confidence: 0.9788671

00:51:50.900 --> 00:51:52.520 but something that looks legitimately
NOTE Confidence: 0.9788671

00:51:52.580 --> 00:51:53.620 like what you imagine it
NOTE Confidence: 0.9788671

00:51:53.620 --> 00:51:55.400 will be. So I'd probably
NOTE Confidence: 0.9788671

00:51:55.460 --> 00:51:56.200 done about
NOTE Confidence: 0.99914676

00:51:56.660 --> 00:51:57.640 half the research
NOTE Confidence: 0.99975896

00:51:58.055 --> 00:51:59.335 and written about a quarter
NOTE Confidence: 0.99975896

00:51:59.335 --> 00:52:00.155 of the book
NOTE Confidence: 0.99287236

00:52:00.535 --> 00:52:02.375 when I first pitched to

NOTE Confidence: 0.99287236
00:52:02.375 --> 00:52:03.575 an agent who then pitched
NOTE Confidence: 0.99287236
00:52:03.575 --> 00:52:04.395 it to a publisher.
NOTE Confidence: 0.98836666
00:52:04.935 --> 00:52:06.375 The sequencing was a little
NOTE Confidence: 0.98836666
00:52:06.375 --> 00:52:07.095 faster than I think I
NOTE Confidence: 0.98836666
00:52:07.095 --> 00:52:08.055 would have liked only because
NOTE Confidence: 0.98836666
00:52:08.055 --> 00:52:09.035 it was COVID
NOTE Confidence: 0.56833524
00:52:09.415 --> 00:52:09.915 and
NOTE Confidence: 0.8927531
00:52:10.320 --> 00:52:11.140 probably unnecessarily.
NOTE Confidence: 0.96308285
00:52:11.520 --> 00:52:12.160 I had a you know,
NOTE Confidence: 0.96308285
00:52:12.160 --> 00:52:14.420 ventilators and ICUs were, like,
NOTE Confidence: 0.96308285
00:52:14.560 --> 00:52:15.760 front and center of every
NOTE Confidence: 0.96308285
00:52:15.760 --> 00:52:17.140 newspaper for months.
NOTE Confidence: 0.99823004
00:52:17.440 --> 00:52:18.160 I got a little bit
NOTE Confidence: 0.99823004
00:52:18.160 --> 00:52:19.280 of panic as people were
NOTE Confidence: 0.99823004
00:52:19.280 --> 00:52:20.400 starting to get interested in
NOTE Confidence: 0.99823004

00:52:20.400 --> 00:52:21.600 this story that someone else
NOTE Confidence: 0.99823004

00:52:21.600 --> 00:52:23.120 might, you know, decide to
NOTE Confidence: 0.99823004

00:52:23.120 --> 00:52:24.100 write this story.
NOTE Confidence: 0.96953595

00:52:24.655 --> 00:52:25.395 Turns out nobody else
NOTE Confidence: 0.9988372

00:52:25.695 --> 00:52:26.195 was
NOTE Confidence: 0.96227425

00:52:26.815 --> 00:52:27.555 that nerdy.
NOTE Confidence: 0.9815433

00:52:28.335 --> 00:52:29.535 But I sort of sped
NOTE Confidence: 0.9815433

00:52:29.535 --> 00:52:30.735 up the process a little
NOTE Confidence: 0.9815433

00:52:30.735 --> 00:52:31.215 bit,
NOTE Confidence: 0.9769672

00:52:31.695 --> 00:52:32.895 and and I think it
NOTE Confidence: 0.9769672

00:52:32.895 --> 00:52:34.975 helps to wait only because
NOTE Confidence: 0.9769672

00:52:34.975 --> 00:52:36.095 the more research you do
NOTE Confidence: 0.9769672

00:52:36.095 --> 00:52:37.055 and the more you learn
NOTE Confidence: 0.9769672

00:52:37.055 --> 00:52:38.015 about the story and the
NOTE Confidence: 0.9769672

00:52:38.015 --> 00:52:40.250 characters and and all of
NOTE Confidence: 0.9769672

00:52:40.469 --> 00:52:41.670 that, just the more nuanced

NOTE Confidence: 0.9769672
00:52:41.670 --> 00:52:43.190 understanding you have the story
NOTE Confidence: 0.9769672
00:52:43.190 --> 00:52:44.390 you're trying to tell and,
NOTE Confidence: 0.9769672
00:52:44.390 --> 00:52:46.150 therefore, the stronger proposal it
NOTE Confidence: 0.9769672
00:52:46.150 --> 00:52:46.650 is.
NOTE Confidence: 0.9051342
00:52:47.590 --> 00:52:48.870 So, yeah, so that was
NOTE Confidence: 0.9051342
00:52:48.870 --> 00:52:50.410 back in two twenty twenty.
NOTE Confidence: 0.97268105
00:52:50.870 --> 00:52:52.390 And, and then I had
NOTE Confidence: 0.97268105
00:52:52.390 --> 00:52:53.130 a a
NOTE Confidence: 0.99058247
00:52:53.525 --> 00:52:54.645 a contract that gave me
NOTE Confidence: 0.99058247
00:52:54.645 --> 00:52:55.685 eighteen months to finish the
NOTE Confidence: 0.99058247
00:52:55.685 --> 00:52:56.405 book, and I knew I
NOTE Confidence: 0.99058247
00:52:56.405 --> 00:52:57.445 was gonna have a sabbatical
NOTE Confidence: 0.99058247
00:52:57.445 --> 00:52:58.805 in there. So I also
NOTE Confidence: 0.99058247
00:52:58.805 --> 00:52:59.605 waited till I knew I
NOTE Confidence: 0.99058247
00:52:59.605 --> 00:53:00.825 was gonna have that sabbatical
NOTE Confidence: 0.99058247

00:53:00.965 --> 00:53:02.405 time coming up so that
NOTE Confidence: 0.99058247

00:53:02.405 --> 00:53:03.685 I could feel confident that
NOTE Confidence: 0.99058247

00:53:03.685 --> 00:53:05.125 I would get the the
NOTE Confidence: 0.99058247

00:53:05.125 --> 00:53:06.585 manuscript to them on time.
NOTE Confidence: 0.95631385

00:53:09.160 --> 00:53:10.280 I had a question. Thank
NOTE Confidence: 0.95631385

00:53:10.280 --> 00:53:11.400 you for this. This was
NOTE Confidence: 0.95631385

00:53:11.400 --> 00:53:11.900 wonderful.
NOTE Confidence: 0.9770615

00:53:12.520 --> 00:53:13.800 You mentioned yourself a few
NOTE Confidence: 0.9770615

00:53:13.800 --> 00:53:14.840 times that the type of
NOTE Confidence: 0.9770615

00:53:14.840 --> 00:53:16.680 writing in medical traditional medical
NOTE Confidence: 0.9770615

00:53:16.680 --> 00:53:18.600 journals differs a lot from
NOTE Confidence: 0.9770615

00:53:18.600 --> 00:53:20.040 what moves us as as
NOTE Confidence: 0.9770615

00:53:20.040 --> 00:53:21.800 humans and stories. So I'm
NOTE Confidence: 0.9770615

00:53:21.800 --> 00:53:22.540 just curious
NOTE Confidence: 0.9489091

00:53:23.525 --> 00:53:25.445 as after doing this and
NOTE Confidence: 0.9489091

00:53:25.445 --> 00:53:26.565 going back to reading, you

NOTE Confidence: 0.9489091

00:53:26.565 --> 00:53:28.885 know, traditional articles, what what

NOTE Confidence: 0.9489091

00:53:28.885 --> 00:53:30.005 you think about now or

NOTE Confidence: 0.9489091

00:53:30.005 --> 00:53:31.125 what you maybe would Yeah.

NOTE Confidence: 0.9489091

00:53:31.125 --> 00:53:32.425 It's a great question

NOTE Confidence: 0.73338467

00:53:32.725 --> 00:53:33.225 because

NOTE Confidence: 0.9591629

00:53:34.005 --> 00:53:35.765 turns out I now struggle

NOTE Confidence: 0.9591629

00:53:35.765 --> 00:53:38.020 to write traditional medical articles.

NOTE Confidence: 0.94737506

00:53:38.560 --> 00:53:39.760 I work very closely with

NOTE Confidence: 0.94737506

00:53:39.760 --> 00:53:41.040 one collaborator. Her name is

NOTE Confidence: 0.94737506

00:53:41.040 --> 00:53:42.640 Haley. And, you know, when

NOTE Confidence: 0.94737506

00:53:42.640 --> 00:53:43.680 we started out, I was

NOTE Confidence: 0.94737506

00:53:43.680 --> 00:53:44.480 the one who was sort

NOTE Confidence: 0.94737506

00:53:44.480 --> 00:53:45.760 of more experienced writing medical

NOTE Confidence: 0.94737506

00:53:45.760 --> 00:53:46.880 papers, and I was always

NOTE Confidence: 0.94737506

00:53:46.880 --> 00:53:48.000 kind of editing what she

NOTE Confidence: 0.94737506

00:53:48.000 --> 00:53:49.300 wrote and, you know, very
NOTE Confidence: 0.9903331

00:53:50.105 --> 00:53:51.385 and and trying to make
NOTE Confidence: 0.9903331

00:53:51.385 --> 00:53:52.505 it more concise and more
NOTE Confidence: 0.9903331

00:53:52.505 --> 00:53:54.045 consistent with sort of standard
NOTE Confidence: 0.9903331

00:53:54.105 --> 00:53:55.325 medical language.
NOTE Confidence: 0.9483357

00:53:55.704 --> 00:53:56.984 And now it's reversed. It
NOTE Confidence: 0.9483357

00:53:56.984 --> 00:53:58.025 turns out that I have
NOTE Confidence: 0.9483357

00:53:58.025 --> 00:53:59.464 a really hard time now
NOTE Confidence: 0.9483357

00:53:59.464 --> 00:54:01.464 sticking to, like, the the
NOTE Confidence: 0.9483357

00:54:01.464 --> 00:54:03.005 kind of really boring
NOTE Confidence: 0.980156

00:54:03.545 --> 00:54:05.849 technical language that's expected. And
NOTE Confidence: 0.980156

00:54:05.849 --> 00:54:07.450 she's always having to rewrite
NOTE Confidence: 0.980156

00:54:07.450 --> 00:54:08.489 my lines that are getting
NOTE Confidence: 0.980156

00:54:08.489 --> 00:54:09.369 a little too florid and
NOTE Confidence: 0.980156

00:54:09.369 --> 00:54:10.190 a little too,
NOTE Confidence: 0.9808939

00:54:10.809 --> 00:54:12.250 to be honest, often a

NOTE Confidence: 0.9808939
00:54:12.250 --> 00:54:14.109 little too relaxed in tone.
NOTE Confidence: 0.9808939
00:54:14.329 --> 00:54:15.289 That's the thing that I
NOTE Confidence: 0.9808939
00:54:15.289 --> 00:54:16.569 struggle most with. And I
NOTE Confidence: 0.9808939
00:54:16.569 --> 00:54:17.309 really enjoyed
NOTE Confidence: 0.998998
00:54:17.769 --> 00:54:19.069 doing this writing
NOTE Confidence: 0.99509037
00:54:19.614 --> 00:54:21.075 because it did feel freeing
NOTE Confidence: 0.99509037
00:54:21.375 --> 00:54:22.895 to not be bound by
NOTE Confidence: 0.99509037
00:54:22.895 --> 00:54:23.775 the need to use the
NOTE Confidence: 0.99509037
00:54:23.775 --> 00:54:25.614 same term for something every
NOTE Confidence: 0.99509037
00:54:25.614 --> 00:54:26.575 single time. In fact, it's
NOTE Confidence: 0.99509037
00:54:26.575 --> 00:54:28.175 the opposite. Right? You're trying
NOTE Confidence: 0.99509037
00:54:28.175 --> 00:54:29.614 to vary your language. You're
NOTE Confidence: 0.99509037
00:54:29.614 --> 00:54:31.235 trying not to sound repetitive.
NOTE Confidence: 0.98451525
00:54:32.015 --> 00:54:33.880 And so it has I
NOTE Confidence: 0.98451525
00:54:33.880 --> 00:54:34.840 think I might have become
NOTE Confidence: 0.98451525

00:54:34.840 --> 00:54:36.280 a worse medical writer because

NOTE Confidence: 0.98451525

00:54:36.280 --> 00:54:37.800 of it, but I'm okay

NOTE Confidence: 0.98451525

00:54:37.800 --> 00:54:38.380 with that.

NOTE Confidence: 0.96114403

00:54:38.680 --> 00:54:39.560 Just have to have good

NOTE Confidence: 0.96114403

00:54:39.560 --> 00:54:40.680 collaborators who will fix it

NOTE Confidence: 0.96114403

00:54:40.680 --> 00:54:41.340 for you.

NOTE Confidence: 0.7298508

00:54:42.760 --> 00:54:43.820 I was just wondering

NOTE Confidence: 0.9341608

00:54:44.760 --> 00:54:47.020 if you have, like, repurposed,

NOTE Confidence: 0.99829537

00:54:47.735 --> 00:54:49.015 like, some of these stories

NOTE Confidence: 0.99829537

00:54:49.015 --> 00:54:50.295 and anecdotes that you had,

NOTE Confidence: 0.99829537

00:54:50.295 --> 00:54:51.195 you know, so

NOTE Confidence: 0.9934729

00:54:51.495 --> 00:54:53.335 hard fought to find and

NOTE Confidence: 0.9934729

00:54:53.335 --> 00:54:54.855 to write out, like, you

NOTE Confidence: 0.9934729

00:54:54.855 --> 00:54:56.535 know, into, like, an essay

NOTE Confidence: 0.9934729

00:54:56.535 --> 00:54:58.635 or, like, an extended chapter

NOTE Confidence: 0.9934729

00:54:58.775 --> 00:55:00.055 or something like that. Have

NOTE Confidence: 0.9934729
00:55:00.055 --> 00:55:01.175 you done that? Yeah. I
NOTE Confidence: 0.9934729
00:55:01.175 --> 00:55:02.375 mean, I've done a few
NOTE Confidence: 0.9934729
00:55:02.375 --> 00:55:03.114 op eds,
NOTE Confidence: 0.85016364
00:55:03.869 --> 00:55:05.150 that have been in and
NOTE Confidence: 0.85016364
00:55:05.150 --> 00:55:05.650 unfortunately,
NOTE Confidence: 0.99416405
00:55:06.109 --> 00:55:07.230 you know, op eds on
NOTE Confidence: 0.99416405
00:55:07.230 --> 00:55:09.010 polio have felt important.
NOTE Confidence: 0.9839326
00:55:09.549 --> 00:55:10.910 And so I've been able
NOTE Confidence: 0.9839326
00:55:10.910 --> 00:55:12.349 to take some, for instance,
NOTE Confidence: 0.9839326
00:55:12.349 --> 00:55:13.390 some of the stories and
NOTE Confidence: 0.9839326
00:55:13.390 --> 00:55:14.529 interviews with patients
NOTE Confidence: 0.9981273
00:55:14.989 --> 00:55:16.670 and use their stories a
NOTE Confidence: 0.9981273
00:55:16.670 --> 00:55:17.950 little bit in some of
NOTE Confidence: 0.9981273
00:55:17.950 --> 00:55:19.010 those op eds.
NOTE Confidence: 0.9032636
00:55:19.355 --> 00:55:20.395 I was saying earlier I've
NOTE Confidence: 0.9032636

00:55:20.395 --> 00:55:21.355 I've experimented with all kinds
NOTE Confidence: 0.9032636

00:55:21.355 --> 00:55:22.655 of different forms of writing,
NOTE Confidence: 0.9815962

00:55:23.674 --> 00:55:25.835 and you discover I've discovered
NOTE Confidence: 0.9815962

00:55:25.835 --> 00:55:27.194 there's some I'm more comfortable
NOTE Confidence: 0.9815962

00:55:27.194 --> 00:55:28.875 with than others. And I
NOTE Confidence: 0.9815962

00:55:28.875 --> 00:55:30.395 would love to be able
NOTE Confidence: 0.9815962

00:55:30.395 --> 00:55:31.775 to write long form essays
NOTE Confidence: 0.9815962

00:55:31.914 --> 00:55:33.194 and maybe repurpose some of
NOTE Confidence: 0.9815962

00:55:33.194 --> 00:55:34.770 this. Turns out it just
NOTE Confidence: 0.9815962

00:55:34.770 --> 00:55:36.050 doesn't work for me in
NOTE Confidence: 0.9815962

00:55:36.050 --> 00:55:37.350 terms of that format.
NOTE Confidence: 0.9993094

00:55:37.650 --> 00:55:38.530 So it's been a little
NOTE Confidence: 0.9993094

00:55:38.530 --> 00:55:39.890 bit more limited in terms
NOTE Confidence: 0.9993094

00:55:39.890 --> 00:55:40.610 of what I've been able
NOTE Confidence: 0.9993094

00:55:40.610 --> 00:55:41.410 to do with it, but
NOTE Confidence: 0.9993094

00:55:41.410 --> 00:55:42.450 I have gotten a few

NOTE Confidence: 0.9993094
00:55:42.450 --> 00:55:43.250 of them out there in
NOTE Confidence: 0.9993094
00:55:43.250 --> 00:55:44.150 that way. Yeah.
NOTE Confidence: 0.9947965
00:55:44.770 --> 00:55:45.830 And, unfortunately,
NOTE Confidence: 0.9924491
00:55:46.210 --> 00:55:47.815 I really hope we don't
NOTE Confidence: 0.9924491
00:55:47.815 --> 00:55:48.955 see polio again.
NOTE Confidence: 0.98525757
00:55:49.575 --> 00:55:50.935 But if we do, I
NOTE Confidence: 0.98525757
00:55:50.935 --> 00:55:51.655 have a feeling I'll be
NOTE Confidence: 0.98525757
00:55:51.655 --> 00:55:52.375 writing a lot of op
NOTE Confidence: 0.98525757
00:55:52.375 --> 00:55:53.895 eds, so I will probably
NOTE Confidence: 0.98525757
00:55:53.895 --> 00:55:55.275 be repurposing it then.
NOTE Confidence: 0.38216108
00:55:56.775 --> 00:55:57.275 Time,
NOTE Confidence: 0.9449626
00:55:58.055 --> 00:55:58.935 and we'll hang out for
NOTE Confidence: 0.9449626
00:55:58.935 --> 00:56:00.155 a few minutes. Yeah. Absolutely.