

WEBVTT

NOTE duration:"00:54:38.7410000"

NOTE language:en-us

NOTE Confidence: 0.81799424

00:00:00.000 --> 00:00:01.040 Afternoon everybody.

NOTE Confidence: 0.9196475

00:00:03.550 --> 00:00:05.278 Welcome to a conversation with Randy

NOTE Confidence: 0.9196475

00:00:05.278 --> 00:00:06.850 Hunter Epstein and Chelsea Clinton.

NOTE Confidence: 0.9196475

00:00:06.850 --> 00:00:08.350 My name is Anna Reesman.

NOTE Confidence: 0.9196475

00:00:08.350 --> 00:00:10.150 I run the program for Humanities

NOTE Confidence: 0.9196475

00:00:10.150 --> 00:00:11.988 in medicine here at Yale Medical

NOTE Confidence: 0.9196475

00:00:11.988 --> 00:00:14.004 School and I'm thrilled to be able

NOTE Confidence: 0.9196475

00:00:14.004 --> 00:00:16.147 to put on the special event today,

NOTE Confidence: 0.9196475

00:00:16.150 --> 00:00:20.238 which is the first of our lecture series.

NOTE Confidence: 0.9196475

00:00:20.240 --> 00:00:24.983 I will. Tell you a little bit about Randy

NOTE Confidence: 0.9196475

00:00:24.983 --> 00:00:27.437 and Chelsea and then turn it over to

NOTE Confidence: 0.9196475

00:00:27.437 --> 00:00:29.934 them to converse and we will listen it

NOTE Confidence: 0.9196475

00:00:29.934 --> 00:00:32.577 so Randi Hutter Epstein is a medical writer.

NOTE Confidence: 0.9196475

00:00:32.577 --> 00:00:34.479 A lecture at Yale English Department,

NOTE Confidence: 0.9196475

00:00:34.480 --> 00:00:35.748 an adjunct professor at

NOTE Confidence: 0.9196475

00:00:35.748 --> 00:00:37.016 Columbia School of journalism,

NOTE Confidence: 0.9196475

00:00:37.020 --> 00:00:38.115 and most importantly,

NOTE Confidence: 0.9196475

00:00:38.115 --> 00:00:39.575 writer in residence here

NOTE Confidence: 0.9196475

00:00:39.575 --> 00:00:41.160 at IU Medical School.

NOTE Confidence: 0.9196475

00:00:41.160 --> 00:00:43.472 She has worked as a medical writer for

NOTE Confidence: 0.9196475

00:00:43.472 --> 00:00:45.779 the London Bureau of the AP was the

NOTE Confidence: 0.9196475

00:00:45.779 --> 00:00:48.020 London Bureau chief of Physicians Weekly.

NOTE Confidence: 0.9196475

00:00:48.020 --> 00:00:49.898 Her articles have appeared in many,

NOTE Confidence: 0.9196475

00:00:49.900 --> 00:00:50.522 many publications,

NOTE Confidence: 0.9196475

00:00:50.522 --> 00:00:52.077 including the New York Times,

NOTE Confidence: 0.9196475

00:00:52.080 --> 00:00:53.946 the Washington Post, the Daily Telegraph,

NOTE Confidence: 0.9196475

00:00:53.950 --> 00:00:55.662 the Guardian, among many,

NOTE Confidence: 0.9196475

00:00:55.662 --> 00:00:57.802 many other newspapers and magazines.

NOTE Confidence: 0.9196475

00:00:57.810 --> 00:00:59.450 Randy's first book was entitled,

NOTE Confidence: 0.9196475

00:00:59.450 --> 00:01:02.530 Get Me Out a history of childbirth from
NOTE Confidence: 0.9196475

00:01:02.530 --> 00:01:05.376 the garden of Eden to the sperm bank.
NOTE Confidence: 0.9196475

00:01:05.380 --> 00:01:07.408 In this book she takes the
NOTE Confidence: 0.9196475

00:01:07.408 --> 00:01:08.422 reader through history,
NOTE Confidence: 0.9196475

00:01:08.430 --> 00:01:08.720 fads,
NOTE Confidence: 0.9196475

00:01:08.720 --> 00:01:10.750 and fables and to the fringe of
NOTE Confidence: 0.9196475

00:01:10.750 --> 00:01:12.161 science were audacious researchers
NOTE Confidence: 0.9196475

00:01:12.161 --> 00:01:14.459 have gone to extreme measures to
NOTE Confidence: 0.9196475

00:01:14.459 --> 00:01:16.567 get healthy babies out of mothers.
NOTE Confidence: 0.9196475

00:01:16.570 --> 00:01:17.922 Her most recent book,
NOTE Confidence: 0.9196475

00:01:17.922 --> 00:01:18.936 published this summer,
NOTE Confidence: 0.9196475

00:01:18.940 --> 00:01:21.075 is entitled aroused the history of hormones
NOTE Confidence: 0.9196475

00:01:21.075 --> 00:01:23.688 and how they control just about everything.
NOTE Confidence: 0.9196475

00:01:23.690 --> 00:01:25.350 The book tackles the strange
NOTE Confidence: 0.9196475

00:01:25.350 --> 00:01:27.753 science of hormones and the age old
NOTE Confidence: 0.9196475

00:01:27.753 --> 00:01:29.448 quest control them for subjects,

NOTE Confidence: 0.9196475

00:01:29.450 --> 00:01:31.270 and you'll hear a lot more about

NOTE Confidence: 0.9196475

00:01:31.270 --> 00:01:32.963 this range from leading scientists

NOTE Confidence: 0.9196475

00:01:32.963 --> 00:01:35.103 who make life changing discoveries

NOTE Confidence: 0.9196475

00:01:35.103 --> 00:01:36.387 about hormone imbalances.

NOTE Confidence: 0.9196475

00:01:36.390 --> 00:01:38.875 To Charlatans used those discoveries

NOTE Confidence: 0.9196475

00:01:38.875 --> 00:01:40.863 to peddle false remedies.

NOTE Confidence: 0.9196475

00:01:40.870 --> 00:01:42.820 Randy are intra bachelors degree

NOTE Confidence: 0.9196475

00:01:42.820 --> 00:01:44.770 from the University of Pennsylvania.

NOTE Confidence: 0.9196475

00:01:44.770 --> 00:01:47.227 In Ms from the Columbia School of

NOTE Confidence: 0.9196475

00:01:47.227 --> 00:01:49.340 journalism and MD from the Yale

NOTE Confidence: 0.9196475

00:01:49.340 --> 00:01:51.650 School of Medicine and an MPH from

NOTE Confidence: 0.9196475

00:01:51.723 --> 00:01:54.267 the Columbia School of Public Health.

NOTE Confidence: 0.9196475

00:01:54.270 --> 00:01:55.000 Welcome Randy.

NOTE Confidence: 0.90227437

00:02:04.260 --> 00:02:05.995 Chelsea Clinton is vice chair

NOTE Confidence: 0.90227437

00:02:05.995 --> 00:02:07.383 of the Clinton Foundation,

NOTE Confidence: 0.90227437

00:02:07.390 --> 00:02:08.782 where she helps create
NOTE Confidence: 0.90227437

00:02:08.782 --> 00:02:09.826 opportunities for people,
NOTE Confidence: 0.90227437

00:02:09.830 --> 00:02:11.218 families and communities to
NOTE Confidence: 0.90227437

00:02:11.218 --> 00:02:12.259 build better futures.
NOTE Confidence: 0.90227437

00:02:12.260 --> 00:02:14.474 She is an advocate for expanding
NOTE Confidence: 0.90227437

00:02:14.474 --> 00:02:16.426 access to early childhood education
NOTE Confidence: 0.90227437

00:02:16.426 --> 00:02:18.904 and providing the next generation of
NOTE Confidence: 0.90227437

00:02:18.904 --> 00:02:20.946 young leaders with resources they
NOTE Confidence: 0.90227437

00:02:20.946 --> 00:02:23.515 need to turn their ideas into action.
NOTE Confidence: 0.90227437

00:02:23.520 --> 00:02:25.284 She is especially interested
NOTE Confidence: 0.90227437

00:02:25.284 --> 00:02:27.489 in empowering girls and women,
NOTE Confidence: 0.90227437

00:02:27.490 --> 00:02:29.818 which seems especially appropriate
NOTE Confidence: 0.90227437

00:02:29.818 --> 00:02:31.564 to mention today.
NOTE Confidence: 0.90227437

00:02:31.570 --> 00:02:33.110 Chelsea currently teaches at
NOTE Confidence: 0.90227437

00:02:33.110 --> 00:02:35.035 Columbia's Mailman School of public
NOTE Confidence: 0.90227437

00:02:35.035 --> 00:02:36.803 health and previously worked at

NOTE Confidence: 0.90227437

00:02:36.803 --> 00:02:38.789 McKinsey and Company an Ave Capitol.

NOTE Confidence: 0.90227437

00:02:38.790 --> 00:02:41.182 She holds a BA from Stanford and MPH

NOTE Confidence: 0.90227437

00:02:41.182 --> 00:02:43.181 from Columbia School of public health

NOTE Confidence: 0.90227437

00:02:43.181 --> 00:02:45.191 and both in Master of philosophy

NOTE Confidence: 0.90227437

00:02:45.251 --> 00:02:47.476 and a doctorate and international

NOTE Confidence: 0.90227437

00:02:47.476 --> 00:02:49.256 relations from Oxford University.

NOTE Confidence: 0.90227437

00:02:49.260 --> 00:02:51.426 Chelsea is the author of four

NOTE Confidence: 0.90227437

00:02:51.426 --> 00:02:52.870 books with Debbie Street.

NOTE Confidence: 0.90227437

00:02:52.870 --> 00:02:55.036 Are she coauthored governing global health?

NOTE Confidence: 0.90227437

00:02:55.040 --> 00:02:57.200 Who runs the world and why?

NOTE Confidence: 0.90227437

00:02:57.200 --> 00:02:59.450 Which examines the role of public

NOTE Confidence: 0.90227437

00:02:59.450 --> 00:03:01.365 private partnerships in combating the

NOTE Confidence: 0.90227437

00:03:01.365 --> 00:03:03.477 spread of infectious diseases like aids.

NOTE Confidence: 0.90227437

00:03:03.480 --> 00:03:04.984 And reducing pervasive chronic

NOTE Confidence: 0.90227437

00:03:04.984 --> 00:03:06.488 health problems like malnutrition.

NOTE Confidence: 0.90227437

00:03:06.490 --> 00:03:08.870 She authored a book for readers age
NOTE Confidence: 0.90227437

00:03:08.870 --> 00:03:11.747 10 to 14 called it's your world.
NOTE Confidence: 0.90227437

00:03:11.750 --> 00:03:15.194 Get informed, get inspired and get going.
NOTE Confidence: 0.90227437

00:03:15.200 --> 00:03:17.576 And she's also written two picture
NOTE Confidence: 0.90227437

00:03:17.576 --> 00:03:19.968 books called she persisted 13 American
NOTE Confidence: 0.90227437

00:03:19.968 --> 00:03:22.558 women who changed the world and the
NOTE Confidence: 0.90227437

00:03:22.558 --> 00:03:25.006 companion she persisted around the world.
NOTE Confidence: 0.90227437

00:03:25.010 --> 00:03:26.566 These introduce tiny feminists,
NOTE Confidence: 0.90227437

00:03:26.566 --> 00:03:28.900 many activists and little kids who
NOTE Confidence: 0.90227437

00:03:28.968 --> 00:03:31.328 are ready to take on the world to
NOTE Confidence: 0.90227437

00:03:31.328 --> 00:03:32.776 13 inspirational women who never
NOTE Confidence: 0.90227437

00:03:32.776 --> 00:03:34.631 took no for an answer and who
NOTE Confidence: 0.90227437

00:03:34.640 --> 00:03:36.250 always inevitably and without fail,
NOTE Confidence: 0.90227437

00:03:36.250 --> 00:03:36.570 persisted.
NOTE Confidence: 0.7619192

00:03:40.420 --> 00:03:41.110 Thank you.
NOTE Confidence: 0.83988476

00:03:44.170 --> 00:03:45.460 Thank you.

NOTE Confidence: 0.91054213

00:03:47.560 --> 00:03:49.640 And for that introduction, thank

NOTE Confidence: 0.91054213

00:03:49.640 --> 00:03:52.545 you to yell into the medical school,

NOTE Confidence: 0.91054213

00:03:52.550 --> 00:03:55.046 in particular for hosting us today.

NOTE Confidence: 0.91054213

00:03:55.050 --> 00:03:57.330 I always love the chance to

NOTE Confidence: 0.91054213

00:03:57.330 --> 00:04:00.039 talk with my good friend Randy.

NOTE Confidence: 0.91054213

00:04:00.040 --> 00:04:01.864 Always learn a lot from her

NOTE Confidence: 0.91054213

00:04:01.864 --> 00:04:04.408 and I think as the conversation

NOTE Confidence: 0.91054213

00:04:04.408 --> 00:04:06.280 progresses this afternoon,

NOTE Confidence: 0.91054213

00:04:06.280 --> 00:04:08.788 you'll understand why.

NOTE Confidence: 0.91054213

00:04:08.790 --> 00:04:10.944 Although I was lucky enough to

NOTE Confidence: 0.91054213

00:04:10.944 --> 00:04:13.249 get an advance copy of aroused,

NOTE Confidence: 0.91054213

00:04:13.250 --> 00:04:16.242 I reread it over last couple of days

NOTE Confidence: 0.91054213

00:04:16.242 --> 00:04:18.590 in anticipation of our time together

NOTE Confidence: 0.91054213

00:04:18.590 --> 00:04:21.299 here and just was again reminded both

NOTE Confidence: 0.91054213

00:04:21.299 --> 00:04:23.714 by how much kind of we've learned

NOTE Confidence: 0.91054213

00:04:23.714 --> 00:04:25.886 about our hormones over last century
NOTE Confidence: 0.91054213

00:04:25.886 --> 00:04:28.510 and how much we still don't know.
NOTE Confidence: 0.91054213

00:04:28.510 --> 00:04:31.820 So I hope that we can both pro kind of
NOTE Confidence: 0.91054213

00:04:31.909 --> 00:04:35.563 what we know and what we don't here today.
NOTE Confidence: 0.91054213

00:04:35.570 --> 00:04:37.802 I will shamelessly exploit my position
NOTE Confidence: 0.91054213

00:04:37.802 --> 00:04:39.913 in this chair to ask questions.
NOTE Confidence: 0.91054213

00:04:39.913 --> 00:04:42.230 After about 25 minutes and then we'll
NOTE Confidence: 0.91054213

00:04:42.293 --> 00:04:44.693 open it up to all of you to ask whatever
NOTE Confidence: 0.91054213

00:04:44.763 --> 00:04:46.629 questions you may have a Randy,
NOTE Confidence: 0.91054213

00:04:46.630 --> 00:04:49.114 or if you want to ask me a question,
NOTE Confidence: 0.91054213

00:04:49.120 --> 00:04:50.788 I'm happy to at least entertain.
NOTE Confidence: 0.91054213

00:04:50.790 --> 00:04:51.618 It will probably.
NOTE Confidence: 0.8985842

00:04:54.340 --> 00:04:57.188 But to arouse you know one of the things
NOTE Confidence: 0.8985842

00:04:57.188 --> 00:04:59.460 ready that we've talked a lot about in
NOTE Confidence: 0.8985842

00:04:59.522 --> 00:05:01.552 the context of aroused and your other
NOTE Confidence: 0.8985842

00:05:01.552 --> 00:05:04.078 work is that medicine and Health Sciences

NOTE Confidence: 0.8985842

00:05:04.078 --> 00:05:06.073 broadly don't exist in isolation,

NOTE Confidence: 0.8985842

00:05:06.080 --> 00:05:08.030 kind of, from their broader cultural,

NOTE Confidence: 0.8985842

00:05:08.030 --> 00:05:09.342 social and political contexts.

NOTE Confidence: 0.8985842

00:05:09.342 --> 00:05:12.584 And one of the things I think you do really

NOTE Confidence: 0.8985842

00:05:12.584 --> 00:05:15.199 excellent job of an aroused is teasing out,

NOTE Confidence: 0.8985842

00:05:15.200 --> 00:05:16.829 particularly how culture has influenced

NOTE Confidence: 0.8985842

00:05:16.830 --> 00:05:18.786 and of what questions were asked,

NOTE Confidence: 0.8985842

00:05:18.790 --> 00:05:20.090 what research was done,

NOTE Confidence: 0.8985842

00:05:20.090 --> 00:05:21.715 and also what wasn't done.

NOTE Confidence: 0.8985842

00:05:21.720 --> 00:05:24.009 Kind of in the city of hormones.

NOTE Confidence: 0.8985842

00:05:24.010 --> 00:05:26.038 Could you talk a little bit?

NOTE Confidence: 0.8985842

00:05:26.040 --> 00:05:26.610 About that,

NOTE Confidence: 0.9194817

00:05:26.610 --> 00:05:28.290 sure, and I think that's the

NOTE Confidence: 0.9194817

00:05:28.290 --> 00:05:30.039 way I framed the book too.

NOTE Confidence: 0.9194817

00:05:30.040 --> 00:05:31.470 I don't cover every hormone.

NOTE Confidence: 0.9194817

00:05:31.470 --> 00:05:33.479 There's alot or everything that's going on,
NOTE Confidence: 0.9194817

00:05:33.480 --> 00:05:35.300 but I like to look at each
NOTE Confidence: 0.9194817

00:05:35.300 --> 00:05:36.910 decade or each time period.
NOTE Confidence: 0.9194817

00:05:36.910 --> 00:05:39.198 Think what does this say about the culture?
NOTE Confidence: 0.9194817

00:05:39.200 --> 00:05:40.058 Not so much.
NOTE Confidence: 0.9194817

00:05:40.058 --> 00:05:42.060 What does this say about in advance?
NOTE Confidence: 0.9194817

00:05:42.060 --> 00:05:43.999 But what does this say about what's
NOTE Confidence: 0.9194817

00:05:43.999 --> 00:05:46.060 going on so the 1920s, for instance,
NOTE Confidence: 0.9194817

00:05:46.060 --> 00:05:47.485 1920s into the early 1930s?
NOTE Confidence: 0.9194817

00:05:47.490 --> 00:05:48.634 We were very curious.
NOTE Confidence: 0.9194817

00:05:48.634 --> 00:05:50.350 What are the ovaries secrete ING?
NOTE Confidence: 0.9194817

00:05:50.350 --> 00:05:51.844 What are the testes secrete ING
NOTE Confidence: 0.9194817

00:05:51.844 --> 00:05:53.572 it was around the time that
NOTE Confidence: 0.9194817

00:05:53.572 --> 00:05:54.928 we then isolated testosterone.
NOTE Confidence: 0.9194817

00:05:54.930 --> 00:05:56.350 The 1930s and R.
NOTE Confidence: 0.9194817

00:05:56.350 --> 00:05:58.480 Focus both from a scientific perspective

NOTE Confidence: 0.9194817

00:05:58.547 --> 00:06:00.598 but also pushed by consumers was what

NOTE Confidence: 0.9194817

00:06:00.598 --> 00:06:03.097 can we do with these male hormones?

NOTE Confidence: 0.9194817

00:06:03.100 --> 00:06:04.352 What could testicles do?

NOTE Confidence: 0.9194817

00:06:04.352 --> 00:06:06.613 Do we need extra ones from animals

NOTE Confidence: 0.9194817

00:06:06.613 --> 00:06:09.117 so at the same time when there were

NOTE Confidence: 0.9194817

00:06:09.117 --> 00:06:11.099 doctors and scientists navigating,

NOTE Confidence: 0.9194817

00:06:11.100 --> 00:06:13.585 I think a lot of their research

NOTE Confidence: 0.9194817

00:06:13.585 --> 00:06:16.088 then was shaped was how can we

NOTE Confidence: 0.9194817

00:06:16.088 --> 00:06:18.535 distinguish what makes a man a man

NOTE Confidence: 0.9194817

00:06:18.535 --> 00:06:20.845 and what makes a woman a woman?

NOTE Confidence: 0.9194817

00:06:20.850 --> 00:06:23.166 So these sex hormones then became

NOTE Confidence: 0.9194817

00:06:23.166 --> 00:06:25.163 estrogen equals woman test testosterone

NOTE Confidence: 0.9194817

00:06:25.163 --> 00:06:27.479 equals male and in some ways.

NOTE Confidence: 0.9194817

00:06:27.480 --> 00:06:30.112 Made a divide that doesn't that that we

NOTE Confidence: 0.9194817

00:06:30.112 --> 00:06:32.030 learned quickly after doesn't exist,

NOTE Confidence: 0.9194817

00:06:32.030 --> 00:06:34.142 but that Binary has stuck with
NOTE Confidence: 0.9194817

00:06:34.142 --> 00:06:36.580 us and then again in the 1950s.
NOTE Confidence: 0.9194817

00:06:36.580 --> 00:06:38.610 I talk about the explosion of the
NOTE Confidence: 0.9194817

00:06:38.610 --> 00:06:40.769 youth of human growth hormone from
NOTE Confidence: 0.9194817

00:06:40.769 --> 00:06:43.223 pituitary glands before we had synthetic.
NOTE Confidence: 0.9194817

00:06:43.230 --> 00:06:44.304 What drove it?
NOTE Confidence: 0.9194817

00:06:44.304 --> 00:06:46.810 It wasn't just doctors saying I'm going
NOTE Confidence: 0.9194817

00:06:46.877 --> 00:06:49.525 to dump all this growth hormone on kids,
NOTE Confidence: 0.9194817

00:06:49.530 --> 00:06:51.630 but it was people reading magazines.
NOTE Confidence: 0.9194817

00:06:51.630 --> 00:06:52.330 That said,
NOTE Confidence: 0.9194817

00:06:52.330 --> 00:06:55.130 You're short boys are doomed never to marry,
NOTE Confidence: 0.9194817

00:06:55.130 --> 00:06:56.434 never to get hired.
NOTE Confidence: 0.9194817

00:06:56.434 --> 00:06:58.840 They're going to have something we coined
NOTE Confidence: 0.9194817

00:06:58.840 --> 00:07:01.168 the term inferiority complex came out.
NOTE Confidence: 0.9194817

00:07:01.170 --> 00:07:03.683 Of this growth hormone and the potential
NOTE Confidence: 0.9194817

00:07:03.683 --> 00:07:05.888 that it could help young boys,

NOTE Confidence: 0.9194817

00:07:05.890 --> 00:07:08.498 so I think at each generation we see

NOTE Confidence: 0.9194817

00:07:08.498 --> 00:07:11.327 this mix of what scientists are doing,

NOTE Confidence: 0.9194817

00:07:11.330 --> 00:07:12.778 what doctors believe in,

NOTE Confidence: 0.9194817

00:07:12.778 --> 00:07:15.776 but also how were all swayed by the

NOTE Confidence: 0.9194817

00:07:15.776 --> 00:07:18.032 culture and what patients are demanding

NOTE Confidence: 0.9194817

00:07:18.032 --> 00:07:20.769 and what their fears are of the time.

NOTE Confidence: 0.9194817

00:07:20.770 --> 00:07:21.140 and

NOTE Confidence: 0.9254077

00:07:21.140 --> 00:07:25.406 I think we. All probably

NOTE Confidence: 0.9254077

00:07:25.406 --> 00:07:27.590 intuitively understand just.

NOTE Confidence: 0.9254077

00:07:27.590 --> 00:07:29.970 I would submit from the.

NOTE Confidence: 0.9254077

00:07:29.970 --> 00:07:31.938 Historical moment we're living

NOTE Confidence: 0.9254077

00:07:31.938 --> 00:07:34.398 through today something that you

NOTE Confidence: 0.9254077

00:07:34.398 --> 00:07:36.918 also show to be true kind of in.

NOTE Confidence: 0.9254077

00:07:36.920 --> 00:07:38.474 In in medicine.

NOTE Confidence: 0.9254077

00:07:38.474 --> 00:07:41.179 Which is that kind of in

NOTE Confidence: 0.9254077

00:07:41.180 --> 00:07:42.332 moments of uncertainty,
NOTE Confidence: 0.9254077

00:07:42.332 --> 00:07:45.020 particularly when we think about our health,
NOTE Confidence: 0.9254077

00:07:45.020 --> 00:07:46.940 or arguably, even more potently,
NOTE Confidence: 0.9254077

00:07:46.940 --> 00:07:49.525 our Children's Health were vulnerable
NOTE Confidence: 0.9254077

00:07:49.525 --> 00:07:51.593 to textures and fraudsters.
NOTE Confidence: 0.9254077

00:07:51.600 --> 00:07:55.344 An I think you do a tremendous job above.
NOTE Confidence: 0.9254077

00:07:55.350 --> 00:07:57.435 Kind of illuminating how that
NOTE Confidence: 0.9254077

00:07:57.435 --> 00:07:59.110 isn't something that only
NOTE Confidence: 0.9254077

00:07:59.110 --> 00:08:00.774 happened like in yesteryear.
NOTE Confidence: 0.9254077

00:08:00.774 --> 00:08:02.854 It's something that's happening today.
NOTE Confidence: 0.9254077

00:08:02.860 --> 00:08:06.196 Could you talk a little bit about why,
NOTE Confidence: 0.9254077

00:08:06.200 --> 00:08:09.260 particularly in the field of
NOTE Confidence: 0.9254077

00:08:09.260 --> 00:08:11.096 hormones you think?
NOTE Confidence: 0.9254077

00:08:11.100 --> 00:08:13.718 Kind of the cons have been so successful
NOTE Confidence: 0.92606544

00:08:13.720 --> 00:08:15.028 because we love certainty.
NOTE Confidence: 0.92606544

00:08:15.028 --> 00:08:16.009 I mean everybody.

NOTE Confidence: 0.92606544

00:08:16.010 --> 00:08:18.215 That's a doctor out there and anyone

NOTE Confidence: 0.92606544

00:08:18.215 --> 00:08:20.803 that's going to be a doctor soon knows

NOTE Confidence: 0.92606544

00:08:20.803 --> 00:08:22.870 that you're taught in medical school.

NOTE Confidence: 0.92606544

00:08:22.870 --> 00:08:24.470 Nothing is 100% sure everything's

NOTE Confidence: 0.92606544

00:08:24.470 --> 00:08:26.800 side affects life has a side effect.

NOTE Confidence: 0.92606544

00:08:26.800 --> 00:08:28.430 Everything is a side effect.

NOTE Confidence: 0.92606544

00:08:28.430 --> 00:08:30.719 You can never say to a patient.

NOTE Confidence: 0.92606544

00:08:30.720 --> 00:08:33.336 This is I'm going to make you happier.

NOTE Confidence: 0.92606544

00:08:33.340 --> 00:08:35.296 I'm going to make you better,

NOTE Confidence: 0.92606544

00:08:35.300 --> 00:08:37.262 but and this is what I

NOTE Confidence: 0.92606544

00:08:37.262 --> 00:08:38.570 learned from my research,

NOTE Confidence: 0.92606544

00:08:38.570 --> 00:08:41.940 I know how to be a really Good Charlotte him.

NOTE Confidence: 0.92606544

00:08:41.940 --> 00:08:43.852 And I have advice for anyone out there

NOTE Confidence: 0.92606544

00:08:43.852 --> 00:08:45.996 and you know this is not how I thought.

NOTE Confidence: 0.7869254

00:08:48.130 --> 00:08:50.158 I didn't think it was only

NOTE Confidence: 0.7869254

00:08:50.158 --> 00:08:52.210 have to work nine to five.
NOTE Confidence: 0.7869254

00:08:52.210 --> 00:08:54.388 Snake oil you only afterwards debating.
NOTE Confidence: 0.7869254

00:08:54.390 --> 00:08:56.210 Yeah only work nine to
NOTE Confidence: 0.7869254

00:08:56.210 --> 00:08:58.030 five you never take call.
NOTE Confidence: 0.7869254

00:08:58.030 --> 00:08:59.486 Don't take insurance and
NOTE Confidence: 0.7869254

00:08:59.486 --> 00:09:01.670 you can charge a lot. But
NOTE Confidence: 0.8960943

00:09:01.670 --> 00:09:02.768 here's the trick
NOTE Confidence: 0.8960943

00:09:02.770 --> 00:09:03.859 you see your
NOTE Confidence: 0.8960943

00:09:03.860 --> 00:09:07.550 soul, you right you have to be sure you
NOTE Confidence: 0.8960943

00:09:07.550 --> 00:09:11.140 have to take some by the hand and say.
NOTE Confidence: 0.8960943

00:09:11.140 --> 00:09:13.150 Your doctors are too worried.
NOTE Confidence: 0.8960943

00:09:13.150 --> 00:09:15.454 And with all these numbers and
NOTE Confidence: 0.8960943

00:09:15.454 --> 00:09:17.969 facts and data I care about,
NOTE Confidence: 0.8960943

00:09:17.970 --> 00:09:20.382 you don't listen to those reports
NOTE Confidence: 0.8960943

00:09:20.382 --> 00:09:22.802 that say 70% likelier this statistic.
NOTE Confidence: 0.8960943

00:09:22.802 --> 00:09:26.010 I'm going to tell you what to eat,

NOTE Confidence: 0.8960943

00:09:26.010 --> 00:09:28.824 what supplement to take, and don't worry.

NOTE Confidence: 0.8960943

00:09:28.830 --> 00:09:31.236 It's not a pharmaceutical scary drug.

NOTE Confidence: 0.8960943

00:09:31.240 --> 00:09:33.250 It's a really health supplement.

NOTE Confidence: 0.8960943

00:09:33.250 --> 00:09:34.052 Healthy supplement.

NOTE Confidence: 0.8960943

00:09:34.052 --> 00:09:35.656 An why you know.

NOTE Confidence: 0.8960943

00:09:35.660 --> 00:09:37.268 It's so healthy because,

NOTE Confidence: 0.8960943

00:09:37.268 --> 00:09:39.278 unlike the stuff that goes,

NOTE Confidence: 0.8960943

00:09:39.280 --> 00:09:41.410 gets approved from the FDA.

NOTE Confidence: 0.8960943

00:09:41.410 --> 00:09:44.569 That has to have a warning label in it.

NOTE Confidence: 0.8960943

00:09:44.570 --> 00:09:46.628 Supplements don't have to have the

NOTE Confidence: 0.8960943

00:09:46.628 --> 00:09:49.471 warning label an have all those things so

NOTE Confidence: 0.8960943

00:09:49.471 --> 00:09:51.940 actually from your patient's point of view,

NOTE Confidence: 0.8960943

00:09:51.940 --> 00:09:54.310 if there's not a warning label

NOTE Confidence: 0.8960943

00:09:54.310 --> 00:09:56.859 that says side effects may include.

NOTE Confidence: 0.8960943

00:09:56.860 --> 00:09:58.768 The notion could be Oh well,

NOTE Confidence: 0.8960943

00:09:58.770 --> 00:10:00.230 then it's 100% hell.
NOTE Confidence: 0.8960943

00:10:00.230 --> 00:10:02.940 So I think we we can't help,
NOTE Confidence: 0.8960943

00:10:02.940 --> 00:10:04.836 but it's like a human thing.
NOTE Confidence: 0.8960943

00:10:04.840 --> 00:10:07.066 We want control an if you notice,
NOTE Confidence: 0.8960943

00:10:07.070 --> 00:10:09.894 the title is how they control us, not people.
NOTE Confidence: 0.8960943

00:10:09.894 --> 00:10:11.973 They say you're going to tell us
NOTE Confidence: 0.8960943

00:10:11.973 --> 00:10:14.070 how we can control our hormones.
NOTE Confidence: 0.8960943

00:10:14.070 --> 00:10:14.706 Not yet,
NOTE Confidence: 0.8960943

00:10:14.706 --> 00:10:17.250 but maybe I'm just come back 50 years.
NOTE Confidence: 0.8960943

00:10:17.250 --> 00:10:17.914 We will.
NOTE Confidence: 0.8960943

00:10:17.914 --> 00:10:20.238 But people want surety and they want
NOTE Confidence: 0.8960943

00:10:20.238 --> 00:10:22.329 someone to hold their hand and say,
NOTE Confidence: 0.8960943

00:10:22.330 --> 00:10:24.859 here's exactly what you have to do so
NOTE Confidence: 0.8960943

00:10:24.859 --> 00:10:26.952 we can laugh about stuff that went
NOTE Confidence: 0.8960943

00:10:26.952 --> 00:10:29.650 on in the 1920s when men were told,
NOTE Confidence: 0.8960943

00:10:29.650 --> 00:10:30.230 you know.

NOTE Confidence: 0.8960943

00:10:30.230 --> 00:10:31.970 Have a vast ectomy it's going

NOTE Confidence: 0.8960943

00:10:31.970 --> 00:10:33.638 to boost your libido haha.

NOTE Confidence: 0.8960943

00:10:33.640 --> 00:10:35.410 Can't believe they fell for that,

NOTE Confidence: 0.8960943

00:10:35.410 --> 00:10:37.144 but you can click on Amazon

NOTE Confidence: 0.8960943

00:10:37.144 --> 00:10:38.640 and don't do it now.

NOTE Confidence: 0.8960943

00:10:38.640 --> 00:10:40.260 'cause I'll feel bad if you

NOTE Confidence: 0.8960943

00:10:40.260 --> 00:10:42.169 start going on the Internet now,

NOTE Confidence: 0.8960943

00:10:42.170 --> 00:10:44.362 but you can buy an oxytocin nasal spray

NOTE Confidence: 0.8960943

00:10:44.362 --> 00:10:46.576 for only for under \$50.00 for \$48.00.

NOTE Confidence: 0.8960943

00:10:46.580 --> 00:10:48.050 It could just be water,

NOTE Confidence: 0.8960943

00:10:48.050 --> 00:10:50.696 it could be air but it is promoted to

NOTE Confidence: 0.8960943

00:10:50.696 --> 00:10:52.836 spray around yourself and the person

NOTE Confidence: 0.8960943

00:10:52.836 --> 00:10:55.847 next to you will want to bond with you.

NOTE Confidence: 0.8960943

00:10:55.850 --> 00:10:57.380 So.

NOTE Confidence: 0.8960943

00:10:57.380 --> 00:10:59.420 You know, but it sounds funny,

NOTE Confidence: 0.8960943

00:10:59.420 --> 00:11:00.688 but if you go,
NOTE Confidence: 0.8960943

00:11:00.688 --> 00:11:03.160 if you if you go on line,
NOTE Confidence: 0.8960943

00:11:03.160 --> 00:11:05.540 these things are being sold and when
NOTE Confidence: 0.9110445

00:11:05.540 --> 00:11:07.580 we were talking earlier today though,
NOTE Confidence: 0.9110445

00:11:07.580 --> 00:11:10.303 you kind of had a an update
NOTE Confidence: 0.9110445

00:11:10.303 --> 00:11:12.940 to the story of one of the.
NOTE Confidence: 0.9110445

00:11:12.940 --> 00:11:15.124 Doctors, who has been promoting oxytocin
NOTE Confidence: 0.9110445

00:11:15.124 --> 00:11:18.056 as this kind of magical elixir to solve
NOTE Confidence: 0.9110445

00:11:18.056 --> 00:11:20.560 any and all challenges in ones life.
NOTE Confidence: 0.9110445

00:11:20.560 --> 00:11:23.395 and I will say reading it not only is
NOTE Confidence: 0.9110445

00:11:23.395 --> 00:11:26.366 someone who cares deeply about public health,
NOTE Confidence: 0.9110445

00:11:26.370 --> 00:11:29.500 but also as a mother.
NOTE Confidence: 0.9110445

00:11:29.500 --> 00:11:32.924 This woman, you Randy kind of orients the
NOTE Confidence: 0.9110445

00:11:32.924 --> 00:11:36.125 oxytocin chapter around who is Obi Wan has
NOTE Confidence: 0.9110445

00:11:36.125 --> 00:11:38.669 been experimenting on her own children,
NOTE Confidence: 0.9110445

00:11:38.670 --> 00:11:42.007 so not only did this clearly horrify me

NOTE Confidence: 0.9110445

00:11:42.007 --> 00:11:45.343 for all of the kind of evident reasons,

NOTE Confidence: 0.9110445

00:11:45.350 --> 00:11:48.923 from a kind of a public health in a

NOTE Confidence: 0.9110445

00:11:48.923 --> 00:11:51.858 research integrity perspective like.

NOTE Confidence: 0.9110445

00:11:51.860 --> 00:11:55.680 She clearly had sold the Contax herself.

NOTE Confidence: 0.9110445

00:11:55.680 --> 00:12:00.870 Which that is it? Pretty extraordinary.

NOTE Confidence: 0.9110445

00:12:00.870 --> 00:12:03.058 Dynamic and yet she may not be

NOTE Confidence: 0.9110445

00:12:03.058 --> 00:12:04.930 getting away with it, so Randy

NOTE Confidence: 0.90680957

00:12:04.930 --> 00:12:07.729 could you kind of give the other or yeah,

NOTE Confidence: 0.90680957

00:12:07.730 --> 00:12:10.700 the update is so in the book I write about

NOTE Confidence: 0.90680957

00:12:10.779 --> 00:12:13.443 a health clinic that I visited a woman

NOTE Confidence: 0.90680957

00:12:13.443 --> 00:12:16.503 who left her job is an OBGYN at UCLA and

NOTE Confidence: 0.90680957

00:12:16.503 --> 00:12:18.968 opened up a health clinic on Wilshire Blvd.

NOTE Confidence: 0.90680957

00:12:18.970 --> 00:12:20.530 And you walk through her

NOTE Confidence: 0.90680957

00:12:20.530 --> 00:12:22.090 shop to get it's beautiful.

NOTE Confidence: 0.90680957

00:12:22.090 --> 00:12:24.330 It looks like a spot and you walk

NOTE Confidence: 0.90680957

00:12:24.330 --> 00:12:26.645 through her shop where she sells her
NOTE Confidence: 0.90680957

00:12:26.645 --> 00:12:28.330 own brand of adrenal booster,
NOTE Confidence: 0.90680957

00:12:28.330 --> 00:12:29.114 prostate booster.
NOTE Confidence: 0.90680957

00:12:29.114 --> 00:12:31.074 All these supplements In addition
NOTE Confidence: 0.90680957

00:12:31.074 --> 00:12:32.250 to oxy Towson.
NOTE Confidence: 0.90680957

00:12:32.250 --> 00:12:33.610 Yeah, I think her oxytocin,
NOTE Confidence: 0.90680957

00:12:33.610 --> 00:12:34.970 which she gave me one.
NOTE Confidence: 0.90680957

00:12:34.970 --> 00:12:37.146 I think it was a piece of candy.
NOTE Confidence: 0.90680957

00:12:37.150 --> 00:12:38.510 It just tasted like sugar.
NOTE Confidence: 0.90680957

00:12:38.510 --> 00:12:40.949 I don't think anything gotten me but she did.
NOTE Confidence: 0.90680957

00:12:40.950 --> 00:12:41.691 She took one,
NOTE Confidence: 0.90680957

00:12:41.691 --> 00:12:43.420 she gave me when she gave her
NOTE Confidence: 0.90680957

00:12:43.478 --> 00:12:45.200 sister went to get her publicist
NOTE Confidence: 0.90680957

00:12:45.200 --> 00:12:47.489 one and then they all said I feel
NOTE Confidence: 0.90680957

00:12:47.489 --> 00:12:49.533 like we're bonding and she said I
NOTE Confidence: 0.90680957

00:12:49.533 --> 00:12:52.494 do too and we all huddled closer.

NOTE Confidence: 0.90680957

00:12:52.500 --> 00:12:54.370 And I didn't feel anything.

NOTE Confidence: 0.9136528

00:12:56.660 --> 00:12:59.800 But so I I felt a little a little guilty

NOTE Confidence: 0.9136528

00:12:59.887 --> 00:13:03.343 making her look sort of silly in my chapter,

NOTE Confidence: 0.9136528

00:13:03.350 --> 00:13:06.510 though I did do a lot of research and it

NOTE Confidence: 0.9136528

00:13:06.594 --> 00:13:10.221 did bother me that she is charging people a

NOTE Confidence: 0.9136528

00:13:10.221 --> 00:13:13.397 fortune for some of this cockamamie stuff.

NOTE Confidence: 0.9136528

00:13:13.400 --> 00:13:15.180 And calling herself an Ender

NOTE Confidence: 0.9136528

00:13:15.180 --> 00:13:16.960 Chronologist just because she sells

NOTE Confidence: 0.9136528

00:13:17.017 --> 00:13:20.740 hormone supplements, but I felt.

NOTE Confidence: 0.9136528

00:13:20.740 --> 00:13:23.127 I felt justified a few days ago.

NOTE Confidence: 0.9136528

00:13:23.130 --> 00:13:24.530 Actually was September 13th.

NOTE Confidence: 0.9136528

00:13:24.530 --> 00:13:27.348 She made it into People magazine for missing

NOTE Confidence: 0.9136528

00:13:27.348 --> 00:13:29.630 a uterine cancer for having patient an.

NOTE Confidence: 0.9136528

00:13:29.630 --> 00:13:32.024 If she missed another cancer as well.

NOTE Confidence: 0.9136528

00:13:32.030 --> 00:13:34.403 She is right now I'm not allowed

NOTE Confidence: 0.9136528

00:13:34.403 --> 00:13:36.130 to call herself an OBGYN.
NOTE Confidence: 0.9136528

00:13:36.130 --> 00:13:37.840 She certainly not allowed to
NOTE Confidence: 0.9136528

00:13:37.840 --> 00:13:39.208 call herself an endocrinologist,
NOTE Confidence: 0.9136528

00:13:39.210 --> 00:13:41.324 'cause you can't if you've never been
NOTE Confidence: 0.9136528

00:13:41.324 --> 00:13:43.309 board certified or done endocrinology.
NOTE Confidence: 0.9136528

00:13:43.310 --> 00:13:44.000 Who knew?
NOTE Confidence: 0.9261198

00:13:46.030 --> 00:13:47.830 An and she's basically being.
NOTE Confidence: 0.9261198

00:13:47.830 --> 00:13:48.907 She's on parole.
NOTE Confidence: 0.9261198

00:13:48.907 --> 00:13:51.420 She might have her license taken away.
NOTE Confidence: 0.9261198

00:13:51.420 --> 00:13:52.494 Now. Her response.
NOTE Confidence: 0.9261198

00:13:52.494 --> 00:13:54.642 I thought that was bad enough,
NOTE Confidence: 0.9261198

00:13:54.650 --> 00:13:56.440 like if I were her,
NOTE Confidence: 0.9261198

00:13:56.440 --> 00:13:58.236 which I wouldn't be her.
NOTE Confidence: 0.9261198

00:13:58.236 --> 00:14:01.670 But if I were her I would have gone on
NOTE Confidence: 0.9261198

00:14:01.670 --> 00:14:04.338 vacation or just let this fade away.
NOTE Confidence: 0.9261198

00:14:04.340 --> 00:14:06.488 But she actually had a rebuttal,

NOTE Confidence: 0.9261198

00:14:06.490 --> 00:14:08.650 which I didn't tell you about.

NOTE Confidence: 0.9261198

00:14:08.650 --> 00:14:09.326 We're talking.

NOTE Confidence: 0.9261198

00:14:09.326 --> 00:14:11.692 Her rebuttal was basically I am offering

NOTE Confidence: 0.9261198

00:14:11.692 --> 00:14:13.600 patients things that the medical

NOTE Confidence: 0.9261198

00:14:13.600 --> 00:14:15.108 community doesn't appreciate yet.

NOTE Confidence: 0.9261198

00:14:15.110 --> 00:14:17.540 I represent the future of Medicine.

NOTE Confidence: 0.9261198

00:14:17.540 --> 00:14:20.816 And so many of my patients have done well,

NOTE Confidence: 0.9261198

00:14:20.820 --> 00:14:23.284 so she's just digging in and standing

NOTE Confidence: 0.9261198

00:14:23.284 --> 00:14:25.805 her ground for an I think she has

NOTE Confidence: 0.9261198

00:14:25.805 --> 00:14:28.157 a lot of believers out there like

NOTE Confidence: 0.9261198

00:14:28.157 --> 00:14:29.945 don't believe established medicine

NOTE Confidence: 0.9261198

00:14:29.945 --> 00:14:32.829 there too slow there just so stuck

NOTE Confidence: 0.9261198

00:14:32.829 --> 00:14:34.644 on this evidence based stuff.

NOTE Confidence: 0.9261198

00:14:34.650 --> 00:14:36.981 But I've got a big business and

NOTE Confidence: 0.9261198

00:14:36.981 --> 00:14:39.739 a lot of my patients love me.

NOTE Confidence: 0.9261198

00:14:39.740 --> 00:14:40.468 Suzanne Somers.
NOTE Confidence: 0.9261198

00:14:40.468 --> 00:14:41.196 Sarah Ferguson.
NOTE Confidence: 0.9261198

00:14:41.196 --> 00:14:43.380 She's got a lot of testimonies.
NOTE Confidence: 0.9261198

00:14:43.380 --> 00:14:45.648 An as we know now and then and his
NOTE Confidence: 0.9261198

00:14:45.648 --> 00:14:47.046 doctors practicing testimonials
NOTE Confidence: 0.9261198

00:14:47.046 --> 00:14:49.210 really sway public perception.
NOTE Confidence: 0.87706137

00:14:50.310 --> 00:14:53.298 You're one of the I think,
NOTE Confidence: 0.87706137

00:14:53.300 --> 00:14:55.844 heartening elements of that story is
NOTE Confidence: 0.87706137

00:14:55.844 --> 00:14:58.780 that there is some accountability,
NOTE Confidence: 0.87706137

00:14:58.780 --> 00:15:00.768 maybe too late, arguably,
NOTE Confidence: 0.87706137

00:15:00.768 --> 00:15:03.260 but there is some accountability.
NOTE Confidence: 0.87706137

00:15:03.260 --> 00:15:04.307 And yet you're.
NOTE Confidence: 0.87706137

00:15:04.307 --> 00:15:06.750 Your book is full of kind of
NOTE Confidence: 0.87706137

00:15:06.836 --> 00:15:09.256 stories of accountability that came
NOTE Confidence: 0.87706137

00:15:09.256 --> 00:15:12.160 kind of decades after the fact.
NOTE Confidence: 0.87706137

00:15:12.160 --> 00:15:14.428 And when you first started working

NOTE Confidence: 0.87706137

00:15:14.428 --> 00:15:15.810 on this, I was.

NOTE Confidence: 0.87706137

00:15:15.810 --> 00:15:18.290 So struck a few years ago we were

NOTE Confidence: 0.87706137

00:15:18.373 --> 00:15:20.701 having a conversation by how much

NOTE Confidence: 0.87706137

00:15:20.701 --> 00:15:23.634 kind of you were teaching me around

NOTE Confidence: 0.87706137

00:15:23.634 --> 00:15:26.672 the story of human growth hormone and

NOTE Confidence: 0.87706137

00:15:26.680 --> 00:15:29.560 also how much you were teaching me around.

NOTE Confidence: 0.87706137

00:15:29.560 --> 00:15:31.720 Kind of the science of fertility,

NOTE Confidence: 0.87706137

00:15:31.720 --> 00:15:35.576 which was a kind of outgrowth of your.

NOTE Confidence: 0.87706137

00:15:35.580 --> 00:15:36.836 Book Get Me Out.

NOTE Confidence: 0.87706137

00:15:36.836 --> 00:15:40.920 One of the great titles ever of a book.

NOTE Confidence: 0.87706137

00:15:40.920 --> 00:15:43.470 An so I wonder if you could just

NOTE Confidence: 0.87706137

00:15:43.470 --> 00:15:45.382 share a little bit about what

NOTE Confidence: 0.87706137

00:15:45.382 --> 00:15:46.606 surprised you the most,

NOTE Confidence: 0.87706137

00:15:46.606 --> 00:15:48.364 and writing this book and kind

NOTE Confidence: 0.87706137

00:15:48.364 --> 00:15:50.393 of what you learned the most

NOTE Confidence: 0.87706137

00:15:50.393 --> 00:15:51.769 from in writing aroused.
NOTE Confidence: 0.87574947

00:15:53.220 --> 00:15:55.740 Well, a few things.
NOTE Confidence: 0.87574947

00:15:55.740 --> 00:15:58.068 One of the things I don't think I
NOTE Confidence: 0.87574947

00:15:58.068 --> 00:16:00.509 don't know if I wanna say surprise no,
NOTE Confidence: 0.87574947

00:16:00.510 --> 00:16:02.870 I will say surprised the power of the
NOTE Confidence: 0.87574947

00:16:02.870 --> 00:16:04.378 individual person to do something.
NOTE Confidence: 0.87574947

00:16:04.380 --> 00:16:05.572 So not just doctors.
NOTE Confidence: 0.87574947

00:16:05.572 --> 00:16:07.360 I mean there's some amazing scientists.
NOTE Confidence: 0.87574947

00:16:07.360 --> 00:16:09.446 I don't just write about cockamamie stuff,
NOTE Confidence: 0.87574947

00:16:09.450 --> 00:16:11.673 I write and I someone asked me if I
NOTE Confidence: 0.87574947

00:16:11.673 --> 00:16:13.040 intentionally sought after female
NOTE Confidence: 0.87574947

00:16:13.040 --> 00:16:14.810 scientist that did wonderful things.
NOTE Confidence: 0.87574947

00:16:14.810 --> 00:16:16.300 I didn't intentionally do it.
NOTE Confidence: 0.87574947

00:16:16.300 --> 00:16:18.088 We're probably on some subconscious thing.
NOTE Confidence: 0.87574947

00:16:18.090 --> 00:16:20.474 I read about them like you need a
NOTE Confidence: 0.87574947

00:16:20.474 --> 00:16:22.558 voice like you need to be known.

NOTE Confidence: 0.87574947

00:16:22.560 --> 00:16:24.342 So I do highlight some amazing

NOTE Confidence: 0.87574947

00:16:24.342 --> 00:16:24.936 female scientists,

NOTE Confidence: 0.87574947

00:16:24.940 --> 00:16:28.108 especially in the 1930s and 40s that had to.

NOTE Confidence: 0.87574947

00:16:28.110 --> 00:16:30.855 Really work hard to get their name be heard,

NOTE Confidence: 0.87574947

00:16:30.860 --> 00:16:32.260 but that wasn't surprising.

NOTE Confidence: 0.87574947

00:16:32.260 --> 00:16:34.652 One of the stories that surprised me

NOTE Confidence: 0.87574947

00:16:34.652 --> 00:16:36.713 was a mom in Long Island who was told

NOTE Confidence: 0.87574947

00:16:36.779 --> 00:16:38.789 that her son needed growth hormone.

NOTE Confidence: 0.87574947

00:16:38.790 --> 00:16:41.110 I won't get into all the details 'cause

NOTE Confidence: 0.87574947

00:16:41.110 --> 00:16:43.669 I could go on forever about this story,

NOTE Confidence: 0.87574947

00:16:43.670 --> 00:16:45.500 but it was the 1960s where

NOTE Confidence: 0.87574947

00:16:45.500 --> 00:16:46.720 people were worried about.

NOTE Confidence: 0.87574947

00:16:46.720 --> 00:16:48.848 Can we use this new growth hormone?

NOTE Confidence: 0.87574947

00:16:48.850 --> 00:16:51.290 'cause my son might be way too short.

NOTE Confidence: 0.87574947

00:16:51.290 --> 00:16:52.502 It was just isolated.

NOTE Confidence: 0.87574947

00:16:52.502 --> 00:16:54.017 This one brought her son
NOTE Confidence: 0.87574947

00:16:54.017 --> 00:16:55.870 to the doctor and she said,
NOTE Confidence: 0.87574947

00:16:55.870 --> 00:16:58.016 you know we've tried thyroid which was.
NOTE Confidence: 0.87574947

00:16:58.016 --> 00:17:00.120 Tried for short kids and this doctor said
NOTE Confidence: 0.87574947

00:17:00.120 --> 00:17:01.920 other people will give him testosterone.
NOTE Confidence: 0.87574947

00:17:01.920 --> 00:17:04.594 I'm not going to try that 'cause
NOTE Confidence: 0.87574947

00:17:04.594 --> 00:17:06.880 it doesn't work. But we could try.
NOTE Confidence: 0.87574947

00:17:06.880 --> 00:17:08.305 Growth hormone was from Pituitaries,
NOTE Confidence: 0.87574947

00:17:08.310 --> 00:17:09.730 then we didn't have synthetic.
NOTE Confidence: 0.87574947

00:17:09.730 --> 00:17:11.781 We could try growth hormone and the
NOTE Confidence: 0.87574947

00:17:11.781 --> 00:17:13.791 mom was like sure you know will
NOTE Confidence: 0.87574947

00:17:13.791 --> 00:17:14.859 try this and so,
NOTE Confidence: 0.87574947

00:17:14.860 --> 00:17:17.425 but you're going to have to collect your own.
NOTE Confidence: 0.87574947

00:17:17.430 --> 00:17:19.932 You're going to have if you can bring me
NOTE Confidence: 0.87574947

00:17:19.932 --> 00:17:21.988 pituitary zan I now know Barbara Balaban.
NOTE Confidence: 0.87574947

00:17:21.990 --> 00:17:22.550 This mom,

NOTE Confidence: 0.87574947

00:17:22.550 --> 00:17:24.510 who she thinks now in retrospect the

NOTE Confidence: 0.87574947

00:17:24.510 --> 00:17:26.266 Doctor was instead of just saying

NOTE Confidence: 0.87574947

00:17:26.266 --> 00:17:28.216 forget about it. We can help you.

NOTE Confidence: 0.87574947

00:17:28.216 --> 00:17:30.631 The doctor was more like you get your

NOTE Confidence: 0.87574947

00:17:30.631 --> 00:17:32.749 own pituitaries we can isolate the

NOTE Confidence: 0.87574947

00:17:32.749 --> 00:17:34.678 growth hormone and treat your son.

NOTE Confidence: 0.87574947

00:17:34.680 --> 00:17:37.086 Barbara Balaban was just not just.

NOTE Confidence: 0.87574947

00:17:37.090 --> 00:17:40.290 She was a mom in Long Island who,

NOTE Confidence: 0.87574947

00:17:40.290 --> 00:17:42.654 within three months became one of

NOTE Confidence: 0.87574947

00:17:42.654 --> 00:17:44.230 the nation's leading collectors

NOTE Confidence: 0.87574947

00:17:44.296 --> 00:17:45.508 of pituitary glands,

NOTE Confidence: 0.87574947

00:17:45.510 --> 00:17:50.046 third only to the VA in the NIH.

NOTE Confidence: 0.87574947

00:17:50.050 --> 00:17:52.128 And I spoke to doctor Bob Blizzard

NOTE Confidence: 0.87574947

00:17:52.128 --> 00:17:54.790 who is with who is on the medical

NOTE Confidence: 0.87574947

00:17:54.790 --> 00:17:55.855 side collecting them.

NOTE Confidence: 0.87574947

00:17:55.860 --> 00:17:58.068 And he did say we were going around
NOTE Confidence: 0.87574947

00:17:58.068 --> 00:17:59.784 asking people to donate pituitary
NOTE Confidence: 0.87574947

00:17:59.784 --> 00:18:01.998 glands pathologists and they would say,
NOTE Confidence: 0.87574947

00:18:02.000 --> 00:18:03.620 sorry, we've already promised Balaban.
NOTE Confidence: 0.87574947

00:18:03.620 --> 00:18:05.230 Sorry, we've already promised Balaban,
NOTE Confidence: 0.87574947

00:18:05.230 --> 00:18:07.484 and he was like, what's a Balaban?
NOTE Confidence: 0.87574947

00:18:07.490 --> 00:18:10.118 And he ends up at her door in Great
NOTE Confidence: 0.87574947

00:18:10.118 --> 00:18:12.980 Neck Long Island, saying, like, who are you?
NOTE Confidence: 0.87574947

00:18:12.980 --> 00:18:13.949 And she had?
NOTE Confidence: 0.87574947

00:18:13.949 --> 00:18:16.210 She kept him in nail Polish remover,
NOTE Confidence: 0.87574947

00:18:16.210 --> 00:18:17.176 acetone in jars,
NOTE Confidence: 0.87574947

00:18:17.176 --> 00:18:18.464 in her laundry room,
NOTE Confidence: 0.87574947

00:18:18.470 --> 00:18:20.500 and eventually she joined forces.
NOTE Confidence: 0.87574947

00:18:20.500 --> 00:18:21.340 Because Bob Blizzard,
NOTE Confidence: 0.87574947

00:18:21.340 --> 00:18:23.300 who died recently and was a leading
NOTE Confidence: 0.87574947

00:18:23.350 --> 00:18:25.018 figure in pediatric endocrinology,

NOTE Confidence: 0.87574947

00:18:25.020 --> 00:18:27.909 sore right away that he did not want growth

NOTE Confidence: 0.87574947

00:18:27.909 --> 00:18:30.189 hormone only to be available to those,

NOTE Confidence: 0.87574947

00:18:30.190 --> 00:18:33.420 either with the moxy or the money to get it.

NOTE Confidence: 0.9256492

00:18:33.420 --> 00:18:35.916 So he asked her to join forces and

NOTE Confidence: 0.9256492

00:18:35.916 --> 00:18:37.861 said We'll always have enough for

NOTE Confidence: 0.9256492

00:18:37.861 --> 00:18:40.467 your son as long as we share it

NOTE Confidence: 0.9256492

00:18:40.467 --> 00:18:42.784 so that it could be shared evenly.

NOTE Confidence: 0.9256492

00:18:42.790 --> 00:18:44.701 So she did. So then she became

NOTE Confidence: 0.9256492

00:18:44.701 --> 00:18:46.988 part of this government task force,

NOTE Confidence: 0.9256492

00:18:46.990 --> 00:18:48.988 but it's amazing to me what

NOTE Confidence: 0.9256492

00:18:48.988 --> 00:18:50.610 one woman can just do.

NOTE Confidence: 0.9256492

00:18:50.610 --> 00:18:53.058 She felt she needed to treat her son.

NOTE Confidence: 0.9256492

00:18:53.060 --> 00:18:55.195 I think a lot of moms probably

NOTE Confidence: 0.9256492

00:18:55.195 --> 00:18:57.039 would have felt the same way.

NOTE Confidence: 0.9256492

00:18:57.040 --> 00:18:59.007 Hertrich If anyone wants to know and

NOTE Confidence: 0.9256492

00:18:59.007 --> 00:19:01.626 my mom in the audience will love this.

NOTE Confidence: 0.9256492

00:19:01.630 --> 00:19:03.324 She said the reason why she became

NOTE Confidence: 0.9256492

00:19:03.324 --> 00:19:04.858 one of the leading national

NOTE Confidence: 0.9256492

00:19:04.858 --> 00:19:06.738 pituitary gland collectors is she

NOTE Confidence: 0.9256492

00:19:06.738 --> 00:19:08.775 wrote a handwritten thank you note

NOTE Confidence: 0.9256492

00:19:08.775 --> 00:19:10.185 to every single person that

NOTE Confidence: 0.93247783

00:19:10.190 --> 00:19:11.420 gave her a pituitary.

NOTE Confidence: 0.32224315

00:19:12.820 --> 00:19:16.288 Send so that will be one takeaway lesson.

NOTE Confidence: 0.32224315

00:19:16.290 --> 00:19:17.266 Handwritten thank you notes.

NOTE Confidence: 0.32224315

00:19:17.266 --> 00:19:19.220 I love handwritten, thank you know. So I'm

NOTE Confidence: 0.8721032999999999

00:19:19.220 --> 00:19:21.166 going to take away that Randy can

NOTE Confidence: 0.8721032999999999

00:19:21.166 --> 00:19:23.242 teach you how to be a charlatan and

NOTE Confidence: 0.8721032999999999

00:19:23.242 --> 00:19:25.600 that I am teach my children how to

NOTE Confidence: 0.8721032999999999

00:19:25.600 --> 00:19:27.450 write handwritten thank you notes.

NOTE Confidence: 0.8721032999999999

00:19:27.450 --> 00:19:30.620 Our key takeaways from today.

NOTE Confidence: 0.8721032999999999

00:19:30.620 --> 00:19:32.984 So Randy, one of the things that

NOTE Confidence: 0.8721032999999999
00:19:32.984 --> 00:19:35.006 kind of you alluded to earlier,
NOTE Confidence: 0.8721032999999999
00:19:35.010 --> 00:19:37.842 but I know you feel kind of passionately
NOTE Confidence: 0.8721032999999999
00:19:37.842 --> 00:19:40.417 about bringing more kind of into the light,
NOTE Confidence: 0.8721032999999999
00:19:40.420 --> 00:19:42.095 is how gender was constructed
NOTE Confidence: 0.8721032999999999
00:19:42.095 --> 00:19:44.140 at a particular moment in time.
NOTE Confidence: 0.8721032999999999
00:19:44.140 --> 00:19:46.360 And arguably we've been kind of
NOTE Confidence: 0.8721032999999999
00:19:46.360 --> 00:19:47.840 dealing with the consequences
NOTE Confidence: 0.8721032999999999
00:19:47.909 --> 00:19:49.547 of that kind of since then,
NOTE Confidence: 0.8721032999999999
00:19:49.550 --> 00:19:51.797 and are still trying to kind of
NOTE Confidence: 0.8721032999999999
00:19:51.797 --> 00:19:54.231 move away from kind of this one
NOTE Confidence: 0.8721032999999999
00:19:54.231 --> 00:19:56.306 decision that was made, you know,
NOTE Confidence: 0.8721032999999999
00:19:56.306 --> 00:19:57.996 a handful of decades ago.
NOTE Confidence: 0.8721032999999999
00:19:58.000 --> 00:20:00.628 Could you talk a bit about?
NOTE Confidence: 0.8721032999999999
00:20:00.630 --> 00:20:02.457 Kind of why there was that decision
NOTE Confidence: 0.8721032999999999
00:20:02.457 --> 00:20:04.665 to kind of quantify gender is this
NOTE Confidence: 0.8721032999999999

00:20:04.665 --> 00:20:06.370 idea and what the consequences
NOTE Confidence: 0.91496265

00:20:06.370 --> 00:20:09.088 have been. Yeah, I mean I go back to.
NOTE Confidence: 0.91496265

00:20:09.090 --> 00:20:10.872 I mean, we think now transgender
NOTE Confidence: 0.91496265

00:20:10.872 --> 00:20:12.419 people have a trans gender
NOTE Confidence: 0.91496265

00:20:12.419 --> 00:20:14.519 identity and I do right about that.
NOTE Confidence: 0.91496265

00:20:14.520 --> 00:20:16.326 But really, the concept of gender.
NOTE Confidence: 0.91496265

00:20:16.330 --> 00:20:18.064 It really was only used in
NOTE Confidence: 0.91496265

00:20:18.064 --> 00:20:19.660 grammar up until the 1950s.
NOTE Confidence: 0.91496265

00:20:19.660 --> 00:20:21.466 And then it Hoppin Johns Hopkins.
NOTE Confidence: 0.91496265

00:20:21.470 --> 00:20:22.980 There was someone named John
NOTE Confidence: 0.91496265

00:20:22.980 --> 00:20:24.188 money very controversial figure,
NOTE Confidence: 0.91496265

00:20:24.190 --> 00:20:26.880 but he was the one that said it's not just
NOTE Confidence: 0.91496265

00:20:26.947 --> 00:20:29.320 whether you have an over your testes.
NOTE Confidence: 0.91496265

00:20:29.320 --> 00:20:31.258 It's not just XX or XY.
NOTE Confidence: 0.91496265

00:20:31.260 --> 00:20:32.528 It's your identity which
NOTE Confidence: 0.91496265

00:20:32.528 --> 00:20:34.430 is made up of a whole.

NOTE Confidence: 0.91496265

00:20:34.430 --> 00:20:36.332 How you, how you consider yourself

NOTE Confidence: 0.91496265

00:20:36.332 --> 00:20:37.600 what your chromosomes are,

NOTE Confidence: 0.91496265

00:20:37.600 --> 00:20:39.190 what you're going ads are,

NOTE Confidence: 0.91496265

00:20:39.190 --> 00:20:41.086 and he actually coined this term.

NOTE Confidence: 0.91496265

00:20:41.090 --> 00:20:43.458 Gender to be used so it was something

NOTE Confidence: 0.91496265

00:20:43.458 --> 00:20:46.159 that we think of as always been around,

NOTE Confidence: 0.91496265

00:20:46.160 --> 00:20:47.966 but before then we said what's

NOTE Confidence: 0.91496265

00:20:47.966 --> 00:20:49.960 your sex not what's your gender.

NOTE Confidence: 0.91496265

00:20:49.960 --> 00:20:50.538 And again,

NOTE Confidence: 0.91496265

00:20:50.538 --> 00:20:52.850 there's been I've reached out to a lot

NOTE Confidence: 0.91496265

00:20:52.913 --> 00:20:55.037 of people in the Intersex community.

NOTE Confidence: 0.91496265

00:20:55.040 --> 00:20:56.620 People in the transgender community?

NOTE Confidence: 0.91496265

00:20:56.620 --> 00:20:58.210 Some of them, I think,

NOTE Confidence: 0.91496265

00:20:58.210 --> 00:21:00.626 felt that I wasn't angry enough in my

NOTE Confidence: 0.91496265

00:21:00.626 --> 00:21:02.810 chapter of intersects that I write.

NOTE Confidence: 0.91496265

00:21:02.810 --> 00:21:04.182 Because I don't blame,
NOTE Confidence: 0.91496265

00:21:04.182 --> 00:21:06.613 I don't know 100% blame the doctors
NOTE Confidence: 0.91496265

00:21:06.613 --> 00:21:09.458 for what they did I don't think the
NOTE Confidence: 0.91496265

00:21:09.458 --> 00:21:11.978 doctors in the 1950s were out to say
NOTE Confidence: 0.91496265

00:21:11.978 --> 00:21:14.474 how can we manipulate people and how
NOTE Confidence: 0.91496265

00:21:14.474 --> 00:21:16.912 can we make this decision that we
NOTE Confidence: 0.91496265

00:21:16.912 --> 00:21:18.976 don't care what's going to happen.
NOTE Confidence: 0.91496265

00:21:18.980 --> 00:21:20.834 I think there was this strong
NOTE Confidence: 0.91496265

00:21:20.834 --> 00:21:23.095 feeling in the 1950s and 60s of
NOTE Confidence: 0.91496265

00:21:23.095 --> 00:21:25.021 these children will be better off
NOTE Confidence: 0.91496265

00:21:25.021 --> 00:21:26.963 looking clearly masculine or looking
NOTE Confidence: 0.91496265

00:21:26.963 --> 00:21:29.297 clearly what we think is feminine.
NOTE Confidence: 0.91496265

00:21:29.300 --> 00:21:31.556 I write about a woman in my book
NOTE Confidence: 0.91496265

00:21:31.556 --> 00:21:34.108 who was unfortunately born in 1956,
NOTE Confidence: 0.91496265

00:21:34.110 --> 00:21:35.578 right at that peak.
NOTE Confidence: 0.91496265

00:21:35.578 --> 00:21:37.413 Of learning what we thought

NOTE Confidence: 0.91496265

00:21:37.413 --> 00:21:39.727 about gender and the theory then,

NOTE Confidence: 0.91496265

00:21:39.730 --> 00:21:41.956 was that up until 18 months,

NOTE Confidence: 0.91496265

00:21:41.960 --> 00:21:43.076 gender was malleable,

NOTE Confidence: 0.91496265

00:21:43.076 --> 00:21:45.680 so you were born a blank slate.

NOTE Confidence: 0.91496265

00:21:45.680 --> 00:21:47.645 We weren't thinking prenatal influences

NOTE Confidence: 0.91496265

00:21:47.645 --> 00:21:50.702 and that you had up until that 18

NOTE Confidence: 0.91496265

00:21:50.702 --> 00:21:52.742 month cutoff to make a decision.

NOTE Confidence: 0.91496265

00:21:52.750 --> 00:21:55.358 All you had to do was like switch

NOTE Confidence: 0.91496265

00:21:55.358 --> 00:21:57.334 trucks to dolls and change

NOTE Confidence: 0.91496265

00:21:57.334 --> 00:21:59.812 pants to dresses and this woman.

NOTE Confidence: 0.91496265

00:21:59.820 --> 00:22:02.292 What did happen with her was that she

NOTE Confidence: 0.91496265

00:22:02.292 --> 00:22:04.659 was born with ambiguous genitalia,

NOTE Confidence: 0.91496265

00:22:04.660 --> 00:22:06.640 but they said to her.

NOTE Confidence: 0.91496265

00:22:06.640 --> 00:22:08.720 They said to the mom.

NOTE Confidence: 0.91496265

00:22:08.720 --> 00:22:11.120 You have a son though he has abnormal

NOTE Confidence: 0.91496265

00:22:11.120 --> 00:22:12.620 genitalia. You have a son.
NOTE Confidence: 0.91496265

00:22:12.620 --> 00:22:14.420 Then there were some other issues.
NOTE Confidence: 0.91496265

00:22:14.420 --> 00:22:16.220 They brought him back to the
NOTE Confidence: 0.91496265

00:22:16.220 --> 00:22:17.420 doctor at 17 months.
NOTE Confidence: 0.91496265

00:22:17.420 --> 00:22:19.534 So before that cutoff and then the
NOTE Confidence: 0.91496265

00:22:19.534 --> 00:22:21.318 doctor said actually made a mistake.
NOTE Confidence: 0.91496265

00:22:21.320 --> 00:22:23.238 You have a daughter so just sign
NOTE Confidence: 0.91496265

00:22:23.238 --> 00:22:25.323 here and she showed me all her
NOTE Confidence: 0.91496265

00:22:25.323 --> 00:22:27.117 medical records in the form and
NOTE Confidence: 0.91496265

00:22:27.178 --> 00:22:28.518 there's just one form.
NOTE Confidence: 0.91496265

00:22:28.520 --> 00:22:31.220 That said, I agree to change Brian to Bonnie.
NOTE Confidence: 0.91496265

00:22:31.220 --> 00:22:32.420 Mom signed your name,
NOTE Confidence: 0.91496265

00:22:32.420 --> 00:22:33.920 throw out all the pictures,
NOTE Confidence: 0.91496265

00:22:33.920 --> 00:22:35.720 get rid of his man clothes,
NOTE Confidence: 0.91496265

00:22:35.720 --> 00:22:38.120 put in girl closed dolls and don't worry,
NOTE Confidence: 0.91496265

00:22:38.120 --> 00:22:40.076 it's before the 18 month cutoff.

NOTE Confidence: 0.91496265

00:22:40.080 --> 00:22:41.790 So as you can imagine,

NOTE Confidence: 0.91496265

00:22:41.790 --> 00:22:43.614 she had a very troubled upbringing

NOTE Confidence: 0.91496265

00:22:43.614 --> 00:22:45.292 and now she's very involved

NOTE Confidence: 0.91496265

00:22:45.292 --> 00:22:46.900 in the Intersex community,

NOTE Confidence: 0.91496265

00:22:46.900 --> 00:22:49.182 and she's very angry because in those

NOTE Confidence: 0.91496265

00:22:49.182 --> 00:22:52.018 days also she had surgery done right away.

NOTE Confidence: 0.9205886

00:22:52.020 --> 00:22:53.720 The doctor said I'm going

NOTE Confidence: 0.9205886

00:22:53.720 --> 00:22:55.080 to do exploratory surgery.

NOTE Confidence: 0.9205886

00:22:55.080 --> 00:22:57.472 He came out and said, We realized

NOTE Confidence: 0.9205886

00:22:57.472 --> 00:22:59.518 that she had an enlarged clitoris.

NOTE Confidence: 0.9205886

00:22:59.520 --> 00:23:01.220 We amputated all of it.

NOTE Confidence: 0.9205886

00:23:01.220 --> 00:23:03.607 We also realized that she's a hermaphrodite.

NOTE Confidence: 0.9205886

00:23:03.610 --> 00:23:05.530 She has some testes and ovaries

NOTE Confidence: 0.9205886

00:23:05.530 --> 00:23:07.605 and they wrote that in her

NOTE Confidence: 0.9205886

00:23:07.605 --> 00:23:09.069 chart the languages changed.

NOTE Confidence: 0.9205886

00:23:09.070 --> 00:23:11.100 Since then an I think.
NOTE Confidence: 0.9205886

00:23:11.100 --> 00:23:12.009 We, but again,
NOTE Confidence: 0.9205886

00:23:12.009 --> 00:23:13.827 I don't think these doctors were
NOTE Confidence: 0.9205886

00:23:13.827 --> 00:23:15.672 doing this because they were evil
NOTE Confidence: 0.9205886

00:23:15.672 --> 00:23:17.509 and trying to figure out we're
NOTE Confidence: 0.9205886

00:23:17.509 --> 00:23:19.560 going to just freak these kids out.
NOTE Confidence: 0.9205886

00:23:19.560 --> 00:23:21.070 They were doing what they
NOTE Confidence: 0.9205886

00:23:21.070 --> 00:23:22.580 thought of the time that.
NOTE Confidence: 0.9205886

00:23:22.580 --> 00:23:24.988 Let's try to make these kids feel normal.
NOTE Confidence: 0.9205886

00:23:24.990 --> 00:23:26.796 It was the 50s and 60s.
NOTE Confidence: 0.9205886

00:23:26.800 --> 00:23:28.739 You wanted to feel like a full
NOTE Confidence: 0.9205886

00:23:28.739 --> 00:23:31.222 woman or a full man and you wanted
NOTE Confidence: 0.9205886

00:23:31.222 --> 00:23:33.150 to raise your kids that way.
NOTE Confidence: 0.9205886

00:23:33.150 --> 00:23:35.019 We are now realizing that this should
NOTE Confidence: 0.9205886

00:23:35.019 --> 00:23:36.769 not be emergency emergency surgery.
NOTE Confidence: 0.9205886

00:23:36.770 --> 00:23:38.582 The surgery that was done is

NOTE Confidence: 0.9205886

00:23:38.582 --> 00:23:39.488 really considered cosmetic.

NOTE Confidence: 0.9205886

00:23:39.490 --> 00:23:42.100 It shouldn't be done anymore.

NOTE Confidence: 0.9205886

00:23:42.100 --> 00:23:43.444 Apparently it still is,

NOTE Confidence: 0.9205886

00:23:43.444 --> 00:23:46.230 but there is this voice going out to say.

NOTE Confidence: 0.9205886

00:23:46.230 --> 00:23:48.204 You can tell you can explain to

NOTE Confidence: 0.9205886

00:23:48.204 --> 00:23:50.191 parents slowly if your child is

NOTE Confidence: 0.9205886

00:23:50.191 --> 00:23:51.635 born with ambiguous genitalia.

NOTE Confidence: 0.9205886

00:23:51.640 --> 00:23:52.633 There's many syndromes.

NOTE Confidence: 0.9205886

00:23:52.633 --> 00:23:54.619 It's a big balloon umbrella term

NOTE Confidence: 0.9205886

00:23:54.619 --> 00:23:56.332 for many different elements in

NOTE Confidence: 0.9205886

00:23:56.332 --> 00:23:58.318 the Doctor can explain to exactly

NOTE Confidence: 0.9205886

00:23:58.375 --> 00:23:59.590 what it is an nothing.

NOTE Confidence: 0.9205886

00:23:59.590 --> 00:24:01.180 No cosmetic surgery needs to

NOTE Confidence: 0.9205886

00:24:01.180 --> 00:24:02.770 be done right at birth,

NOTE Confidence: 0.9205886

00:24:02.770 --> 00:24:04.996 so and there is an activist community.

NOTE Confidence: 0.9205886

00:24:05.000 --> 00:24:05.381 Again,
NOTE Confidence: 0.9205886

00:24:05.381 --> 00:24:07.667 it's coming from the patients themselves
NOTE Confidence: 0.9205886

00:24:07.667 --> 00:24:09.763 that are figuring out the language
NOTE Confidence: 0.9205886

00:24:09.763 --> 00:24:11.849 we talked a lot about language and
NOTE Confidence: 0.9205886

00:24:11.917 --> 00:24:13.909 words and the importance of words.
NOTE Confidence: 0.9205886

00:24:13.910 --> 00:24:14.295 There,
NOTE Confidence: 0.9205886

00:24:14.295 --> 00:24:15.450 they've driven this.
NOTE Confidence: 0.9205886

00:24:15.450 --> 00:24:18.187 They've driven the issue of We don't
NOTE Confidence: 0.9205886

00:24:18.187 --> 00:24:20.347 want to be called him Aphrodite.
NOTE Confidence: 0.9205886

00:24:20.350 --> 00:24:23.182 We want to be called intersects
NOTE Confidence: 0.9205886

00:24:23.182 --> 00:24:25.070 or differences in developmental
NOTE Confidence: 0.9205886

00:24:25.150 --> 00:24:26.800 in sexual development.
NOTE Confidence: 0.9205886

00:24:26.800 --> 00:24:27.454 And again,
NOTE Confidence: 0.9205886

00:24:27.454 --> 00:24:29.743 this then sort of goes in people
NOTE Confidence: 0.9205886

00:24:29.743 --> 00:24:31.602 with who identifies transgender
NOTE Confidence: 0.9205886

00:24:31.602 --> 00:24:33.550 that is very different.

NOTE Confidence: 0.9205886

00:24:33.550 --> 00:24:35.926 They weren't born with ambiguous genitalia,

NOTE Confidence: 0.9205886

00:24:35.930 --> 00:24:38.107 but they do feel and they they

NOTE Confidence: 0.9205886

00:24:38.107 --> 00:24:40.861 know down to the core that how

NOTE Confidence: 0.9205886

00:24:40.861 --> 00:24:42.601 they identify doesn't match

NOTE Confidence: 0.9205886

00:24:42.601 --> 00:24:44.270 their external genitalia.

NOTE Confidence: 0.9205886

00:24:44.270 --> 00:24:45.018 And again,

NOTE Confidence: 0.9205886

00:24:45.018 --> 00:24:47.262 these are issues now that doctors

NOTE Confidence: 0.9205886

00:24:47.262 --> 00:24:49.339 and experts are grappling with

NOTE Confidence: 0.9205886

00:24:49.339 --> 00:24:51.019 and trying to understand.

NOTE Confidence: 0.9272671

00:24:51.020 --> 00:24:54.764 I was very moved the reading that chapter

NOTE Confidence: 0.9272671

00:24:54.764 --> 00:24:57.750 in particular the solidarity between.

NOTE Confidence: 0.9272671

00:24:57.750 --> 00:24:59.976 The woman whose story is so painful

NOTE Confidence: 0.9272671

00:24:59.976 --> 00:25:03.036 to read as a parent because I have no

NOTE Confidence: 0.9272671

00:25:03.036 --> 00:25:05.151 doubt that her parents thought they

NOTE Confidence: 0.9272671

00:25:05.151 --> 00:25:07.566 were doing the right thing for her

NOTE Confidence: 0.9272671

00:25:07.566 --> 00:25:10.008 in 1956 and when she had subsequent
NOTE Confidence: 0.9272671

00:25:10.008 --> 00:25:11.989 surgery also still as a child.
NOTE Confidence: 0.9272671

00:25:11.990 --> 00:25:14.358 But how she and others are really
NOTE Confidence: 0.9272671

00:25:14.360 --> 00:25:15.712 supporting parents today who
NOTE Confidence: 0.9272671

00:25:15.712 --> 00:25:17.064 also have Intersex children.
NOTE Confidence: 0.9272671

00:25:17.070 --> 00:25:20.886 And that was a moment of.
NOTE Confidence: 0.9272671

00:25:20.890 --> 00:25:24.450 Of hope kind of in that otherwise quite
NOTE Confidence: 0.8577498

00:25:24.450 --> 00:25:25.340 depressing chapter.
NOTE Confidence: 0.8577498

00:25:25.340 --> 00:25:28.900 Yeah, and I think Bo she calls herself.
NOTE Confidence: 0.8577498

00:25:28.900 --> 00:25:31.125 She's been Brian then Bonnie
NOTE Confidence: 0.8577498

00:25:31.125 --> 00:25:33.350 and now calls herself bow.
NOTE Confidence: 0.8577498

00:25:33.350 --> 00:25:36.020 She really was one of the
NOTE Confidence: 0.8577498

00:25:36.020 --> 00:25:37.800 founders of this movement.
NOTE Confidence: 0.8577498

00:25:37.800 --> 00:25:40.888 Accidentally she read in.
NOTE Confidence: 0.8577498

00:25:40.890 --> 00:25:42.358 In the Sciences magazine
NOTE Confidence: 0.8577498

00:25:42.358 --> 00:25:43.826 a doctor Fausto Sterling,

NOTE Confidence: 0.8577498

00:25:43.830 --> 00:25:45.660 who's an anthropologist or sociologist,

NOTE Confidence: 0.8577498

00:25:45.660 --> 00:25:47.495 but a very brilliant woman

NOTE Confidence: 0.8577498

00:25:47.495 --> 00:25:48.596 at Brown University,

NOTE Confidence: 0.8577498

00:25:48.600 --> 00:25:51.528 wrote an article from that point of view,

NOTE Confidence: 0.8577498

00:25:51.530 --> 00:25:54.099 saying we shouldn't really have two genders.

NOTE Confidence: 0.8577498

00:25:54.100 --> 00:25:55.940 There should be 5 genders.

NOTE Confidence: 0.8577498

00:25:55.940 --> 00:25:59.242 It's in a short piece, and this was in,

NOTE Confidence: 0.8577498

00:25:59.242 --> 00:26:02.538 Oh, the 1993 and so she and she wrote,

NOTE Confidence: 0.8577498

00:26:02.540 --> 00:26:04.742 highlighting not really going into an

NOTE Confidence: 0.8577498

00:26:04.742 --> 00:26:06.578 biggest genitalia, but just talking.

NOTE Confidence: 0.8577498

00:26:06.578 --> 00:26:07.310 But there's.

NOTE Confidence: 0.8577498

00:26:07.310 --> 00:26:09.950 There's a whole spectrum.

NOTE Confidence: 0.8577498

00:26:09.950 --> 00:26:12.524 Bo wrote a letter to the

NOTE Confidence: 0.8577498

00:26:12.524 --> 00:26:14.830 editor saying I was born.

NOTE Confidence: 0.8577498

00:26:14.830 --> 00:26:17.154 Intersects I think she used that term.

NOTE Confidence: 0.8577498

00:26:17.160 --> 00:26:19.977 I was born Intersex and actually I have a
NOTE Confidence: 0.8577498

00:26:19.977 --> 00:26:22.158 foundation or a organization for anybody.
NOTE Confidence: 0.8577498

00:26:22.160 --> 00:26:23.156 That's like me.
NOTE Confidence: 0.8577498

00:26:23.156 --> 00:26:24.816 She didn't at the time.
NOTE Confidence: 0.8577498

00:26:24.820 --> 00:26:26.818 She just said I have this
NOTE Confidence: 0.8577498

00:26:26.818 --> 00:26:27.817 organization for anyone.
NOTE Confidence: 0.8577498

00:26:27.820 --> 00:26:30.476 That's like me that wants to reach out.
NOTE Confidence: 0.8577498

00:26:30.480 --> 00:26:33.090 She just felt that there's no
NOTE Confidence: 0.8577498

00:26:33.090 --> 00:26:36.220 way I could be the only one.
NOTE Confidence: 0.8577498

00:26:36.220 --> 00:26:38.719 And I think she gave her mailing
NOTE Confidence: 0.8577498

00:26:38.719 --> 00:26:41.358 address or home address and she was.
NOTE Confidence: 0.8577498

00:26:41.360 --> 00:26:43.700 She thought that maybe she'd here
NOTE Confidence: 0.8577498

00:26:43.700 --> 00:26:46.572 from 5 people and they could get
NOTE Confidence: 0.8577498

00:26:46.572 --> 00:26:48.627 together and have a meeting.
NOTE Confidence: 0.8577498

00:26:48.630 --> 00:26:50.625 It basically became a full time job.
NOTE Confidence: 0.8577498

00:26:50.630 --> 00:26:52.100 She was flooded with letters

NOTE Confidence: 0.8577498

00:26:52.100 --> 00:26:54.100 saying I thought I was the only

NOTE Confidence: 0.8577498

00:26:54.100 --> 00:26:55.988 one I thought I was the only one

NOTE Confidence: 0.8577498

00:26:56.050 --> 00:26:57.780 and that's how the intersects.

NOTE Confidence: 0.8577498

00:26:57.780 --> 00:26:59.280 I mean that's there're other

NOTE Confidence: 0.8577498

00:26:59.280 --> 00:27:01.095 people too and she doesn't like

NOTE Confidence: 0.8577498

00:27:01.095 --> 00:27:02.637 when I give her full credit,

NOTE Confidence: 0.8577498

00:27:02.640 --> 00:27:05.500 but a lot of people do give her full credit,

NOTE Confidence: 0.8577498

00:27:05.500 --> 00:27:07.505 but she's one of the patients that

NOTE Confidence: 0.8577498

00:27:07.505 --> 00:27:08.938 really got this whole groundswell

NOTE Confidence: 0.9164917

00:27:08.940 --> 00:27:10.370 grow and going. And Randy,

NOTE Confidence: 0.9164917

00:27:10.370 --> 00:27:12.701 it's not only the Doctor is kind of in

NOTE Confidence: 0.9164917

00:27:12.701 --> 00:27:14.558 that chapter, but often you recognize,

NOTE Confidence: 0.9164917

00:27:14.558 --> 00:27:16.660 I think with real kind of humanity,

NOTE Confidence: 0.9164917

00:27:16.660 --> 00:27:17.804 not abrogating kind of

NOTE Confidence: 0.9164917

00:27:17.804 --> 00:27:18.948 responsibility away from them,

NOTE Confidence: 0.9164917

00:27:18.950 --> 00:27:20.710 but real humanity. How often?
NOTE Confidence: 0.9164917

00:27:20.710 --> 00:27:22.990 A lot of doctors and other researchers or
NOTE Confidence: 0.9164917

00:27:22.990 --> 00:27:25.418 are doing the best they can with what they
NOTE Confidence: 0.9164917

00:27:25.418 --> 00:27:27.588 know and what they believe to be true.
NOTE Confidence: 0.9164917

00:27:27.590 --> 00:27:29.240 Absolutely, even if sometimes kind of,
NOTE Confidence: 0.9164917

00:27:29.240 --> 00:27:30.612 they go sideways or backwards
NOTE Confidence: 0.9164917

00:27:30.612 --> 00:27:31.708 from a scientific perspective.
NOTE Confidence: 0.9164917

00:27:31.710 --> 00:27:34.185 So you want me to tell the Steinach story.
NOTE Confidence: 0.9164917

00:27:34.190 --> 00:27:36.110 I do know that was my effort.
NOTE Confidence: 0.9164917

00:27:36.110 --> 00:27:38.035 Segue into that 'cause I know you
NOTE Confidence: 0.9164917

00:27:38.035 --> 00:27:39.685 want to talk about it, right?
NOTE Confidence: 0.9164917

00:27:39.685 --> 00:27:40.510 Yeah? So I
NOTE Confidence: 0.89771324

00:27:40.510 --> 00:27:42.365 mean one of the points in the
NOTE Confidence: 0.89771324

00:27:42.365 --> 00:27:44.360 book is that we can't just say,
NOTE Confidence: 0.89771324

00:27:44.360 --> 00:27:45.944 OK, these are the bad guys
NOTE Confidence: 0.89771324

00:27:45.944 --> 00:27:47.660 and these are the good guys.

NOTE Confidence: 0.89771324
00:27:47.660 --> 00:27:49.322 There's a Gray area in between
NOTE Confidence: 0.89771324
00:27:49.322 --> 00:27:51.239 and one of the things that.
NOTE Confidence: 0.89771324
00:27:51.240 --> 00:27:52.822 I think we all know is that
NOTE Confidence: 0.89771324
00:27:52.822 --> 00:27:54.669 some of our leading scientists,
NOTE Confidence: 0.89771324
00:27:54.670 --> 00:27:56.404 or the ones that see the
NOTE Confidence: 0.89771324
00:27:56.404 --> 00:27:58.099 data and then make a leap.
NOTE Confidence: 0.89771324
00:27:58.100 --> 00:28:00.252 So pushing for instance saw the data and
NOTE Confidence: 0.89771324
00:28:00.252 --> 00:28:02.390 he could barely see in the pituitary.
NOTE Confidence: 0.89771324
00:28:02.390 --> 00:28:03.825 Then we didn't have the
NOTE Confidence: 0.89771324
00:28:03.825 --> 00:28:04.399 sophisticated imagery,
NOTE Confidence: 0.89771324
00:28:04.400 --> 00:28:06.624 but he had this idea that the pituitary
NOTE Confidence: 0.89771324
00:28:06.624 --> 00:28:08.110 gland probably effects the body.
NOTE Confidence: 0.89771324
00:28:08.110 --> 00:28:09.402 People thought he was.
NOTE Confidence: 0.89771324
00:28:09.402 --> 00:28:11.017 There were people that really
NOTE Confidence: 0.89771324
00:28:11.017 --> 00:28:12.687 thought he was nuts at the time,
NOTE Confidence: 0.89771324

00:28:12.690 --> 00:28:14.931 but he was right so he took this sleep
NOTE Confidence: 0.89771324

00:28:14.931 --> 00:28:17.270 and now he could say that's wonderful.
NOTE Confidence: 0.89771324

00:28:17.270 --> 00:28:18.410 But sometimes people leap
NOTE Confidence: 0.89771324

00:28:18.410 --> 00:28:19.550 in the wrong direction.
NOTE Confidence: 0.89771324

00:28:19.550 --> 00:28:22.250 So that's the story I want to talk about.
NOTE Confidence: 0.89771324

00:28:22.250 --> 00:28:24.236 And they're not always bad guys.
NOTE Confidence: 0.89771324

00:28:24.240 --> 00:28:24.846 They're brilliant,
NOTE Confidence: 0.89771324

00:28:24.846 --> 00:28:27.691 but they just happen to a lot of brilliant
NOTE Confidence: 0.89771324

00:28:27.691 --> 00:28:30.190 things and then some not so brilliant.
NOTE Confidence: 0.89771324

00:28:30.190 --> 00:28:32.284 Even pushing himself did the first
NOTE Confidence: 0.89771324

00:28:32.284 --> 00:28:33.680 pituitary transplant and I'll
NOTE Confidence: 0.89771324

00:28:33.742 --> 00:28:35.488 just tell this little story too.
NOTE Confidence: 0.89771324

00:28:35.490 --> 00:28:37.821 So we did all these wonderful things
NOTE Confidence: 0.89771324

00:28:37.821 --> 00:28:39.907 and now everyone believed his mind
NOTE Confidence: 0.89771324

00:28:39.907 --> 00:28:42.280 body theories and he's famous and he
NOTE Confidence: 0.89771324

00:28:42.352 --> 00:28:44.424 had a man with a pituitary tumor.

NOTE Confidence: 0.89771324

00:28:44.430 --> 00:28:46.080 He was 48 years old.

NOTE Confidence: 0.89771324

00:28:46.080 --> 00:28:47.735 He was complaining of vision

NOTE Confidence: 0.89771324

00:28:47.735 --> 00:28:49.059 headaches and then pushing.

NOTE Confidence: 0.89771324

00:28:49.060 --> 00:28:50.805 Thought well 'cause he was

NOTE Confidence: 0.89771324

00:28:50.805 --> 00:28:52.550 a very daring bold surgeon.

NOTE Confidence: 0.89771324

00:28:52.550 --> 00:28:54.966 What if I take out his pituitary and

NOTE Confidence: 0.89771324

00:28:54.966 --> 00:28:57.254 just give him a fresh one from a

NOTE Confidence: 0.89771324

00:28:57.254 --> 00:28:59.327 baby that was born like a stillborn

NOTE Confidence: 0.89771324

00:28:59.327 --> 00:29:02.026 baby so it was before the days of IR

NOTE Confidence: 0.89771324

00:29:02.026 --> 00:29:04.557 BS and all that he just said to his

NOTE Confidence: 0.89771324

00:29:04.557 --> 00:29:06.997 he called a friend who is an OBGYN

NOTE Confidence: 0.89771324

00:29:06.997 --> 00:29:09.512 and said if you get a stillborn can

NOTE Confidence: 0.89771324

00:29:09.512 --> 00:29:12.186 I have the pituitary and I'm going

NOTE Confidence: 0.89771324

00:29:12.186 --> 00:29:15.719 to send a medical student over to get it.

NOTE Confidence: 0.89771324

00:29:15.720 --> 00:29:16.948 He did the surgery,

NOTE Confidence: 0.89771324

00:29:16.948 --> 00:29:19.250 he didn't want to be secret about.
NOTE Confidence: 0.89771324

00:29:19.250 --> 00:29:21.176 It went right to the press.
NOTE Confidence: 0.89771324

00:29:21.180 --> 00:29:23.808 You know, baby brain cures man
NOTE Confidence: 0.89771324

00:29:23.808 --> 00:29:26.070 broken brain cured by baby.
NOTE Confidence: 0.89771324

00:29:26.070 --> 00:29:27.990 Then it crushing thought that worked,
NOTE Confidence: 0.89771324

00:29:27.990 --> 00:29:30.550 but you know, of course, the man that
NOTE Confidence: 0.89771324

00:29:30.550 --> 00:29:31.830 had this nonfunctioning pituitary.
NOTE Confidence: 0.89771324

00:29:31.830 --> 00:29:34.710 So after a month or so symptoms came back.
NOTE Confidence: 0.89771324

00:29:34.710 --> 00:29:36.042 He wasn't feeling well.
NOTE Confidence: 0.89771324

00:29:36.042 --> 00:29:38.400 Cushing did it again because he still
NOTE Confidence: 0.89771324

00:29:38.400 --> 00:29:40.465 thought he was on the right path.
NOTE Confidence: 0.89771324

00:29:40.470 --> 00:29:42.070 Same medical students, same doctor,
NOTE Confidence: 0.89771324

00:29:42.070 --> 00:29:44.310 and this time, the man eventually died.
NOTE Confidence: 0.89771324

00:29:44.310 --> 00:29:46.820 Cushing, who was a, uh?
NOTE Confidence: 0.89771324

00:29:46.820 --> 00:29:48.356 Great surgeon artists,
NOTE Confidence: 0.89771324

00:29:48.356 --> 00:29:50.404 Pulitzer Prize winning author.

NOTE Confidence: 0.89771324

00:29:50.410 --> 00:29:53.488 Didn't like to admit his mistakes,

NOTE Confidence: 0.89771324

00:29:53.490 --> 00:29:53.997 shocking.

NOTE Confidence: 0.89771324

00:29:53.997 --> 00:29:58.053 So what he said was he was nearing

NOTE Confidence: 0.89771324

00:29:58.053 --> 00:30:00.260 the end of Hickory.

NOTE Confidence: 0.89771324

00:30:00.260 --> 00:30:02.570 Did not try to do this again,

NOTE Confidence: 0.89771324

00:30:02.570 --> 00:30:04.950 but he blamed the medical student for

NOTE Confidence: 0.89771324

00:30:04.950 --> 00:30:07.323 not getting for not going fast enough

NOTE Confidence: 0.89771324

00:30:07.323 --> 00:30:09.830 to get the pattern and bring it back.

NOTE Confidence: 0.89771324

00:30:09.830 --> 00:30:12.606 And he blamed the OBGYN for not dissecting

NOTE Confidence: 0.89771324

00:30:12.606 --> 00:30:15.105 it properly but he didn't try it again.

NOTE Confidence: 0.89771324

00:30:15.110 --> 00:30:16.760 So he made a mistake.

NOTE Confidence: 0.89771324

00:30:16.760 --> 00:30:18.704 The story that I'm slowly getting

NOTE Confidence: 0.89771324

00:30:18.704 --> 00:30:20.643 to is Eugene Steinach who was

NOTE Confidence: 0.89771324

00:30:20.643 --> 00:30:22.377 a scientist in Vienna who did

NOTE Confidence: 0.89771324

00:30:22.377 --> 00:30:24.019 Nobel Prize winning research.

NOTE Confidence: 0.89771324

00:30:24.020 --> 00:30:25.685 If anyone's heard his name
NOTE Confidence: 0.89771324

00:30:25.685 --> 00:30:27.350 now it's 'cause we think
NOTE Confidence: 0.9232063

00:30:27.416 --> 00:30:30.287 he was the one that started the whole 1920s.
NOTE Confidence: 0.9232063

00:30:30.290 --> 00:30:31.559 Vasectomies boost libido.
NOTE Confidence: 0.9232063

00:30:31.559 --> 00:30:34.097 And he never did the operations,
NOTE Confidence: 0.9232063

00:30:34.100 --> 00:30:36.010 but he promoted that theory.
NOTE Confidence: 0.9232063

00:30:36.010 --> 00:30:38.302 But he wasn't a charlatan, quack,
NOTE Confidence: 0.9232063

00:30:38.302 --> 00:30:40.594 trying to get his surgeon friends,
NOTE Confidence: 0.9232063

00:30:40.600 --> 00:30:43.540 a lot of money from doing worthless
NOTE Confidence: 0.9232063

00:30:43.540 --> 00:30:45.982 vasectomies to boost libido. He did.
NOTE Confidence: 0.9232063

00:30:45.982 --> 00:30:47.698 His original research was saying that
NOTE Confidence: 0.9232063

00:30:47.698 --> 00:30:49.285 the interstitial cell produced male
NOTE Confidence: 0.9232063

00:30:49.285 --> 00:30:50.900 hormone testosterone wasn't made yet.
NOTE Confidence: 0.9232063

00:30:50.900 --> 00:30:53.950 I love the story in a in a few ways,
NOTE Confidence: 0.9232063

00:30:53.950 --> 00:30:55.780 because he was right about that.
NOTE Confidence: 0.9232063

00:30:55.780 --> 00:30:57.245 Many of his colleagues nominated

NOTE Confidence: 0.9232063

00:30:57.245 --> 00:30:59.439 him 11 times for the Nobel Prize.

NOTE Confidence: 0.9232063

00:30:59.440 --> 00:31:01.270 He didn't get the Nobel Prize.

NOTE Confidence: 0.9232063

00:31:01.270 --> 00:31:02.490 'cause as we know,

NOTE Confidence: 0.9232063

00:31:02.490 --> 00:31:04.320 all prizes are kind of subjective.

NOTE Confidence: 0.9232063

00:31:04.320 --> 00:31:06.520 A lot of people on the Nobel committee at

NOTE Confidence: 0.9232063

00:31:06.520 --> 00:31:09.003 that time in the 1920s could not believe

NOTE Confidence: 0.9232063

00:31:09.003 --> 00:31:11.029 that the interstitial cell did anything.

NOTE Confidence: 0.9232063

00:31:11.030 --> 00:31:13.165 They just thought it was connective tissue,

NOTE Confidence: 0.9232063

00:31:13.170 --> 00:31:15.634 so that I've just recently read was.

NOTE Confidence: 0.9232063

00:31:15.640 --> 00:31:17.165 The main reason he didn't

NOTE Confidence: 0.9232063

00:31:17.165 --> 00:31:18.385 get the Nobel Prize?

NOTE Confidence: 0.9232063

00:31:18.390 --> 00:31:21.950 But then he had a theory that sounds good.

NOTE Confidence: 0.9232063

00:31:21.950 --> 00:31:25.190 It's just not right that if you kill

NOTE Confidence: 0.9232063

00:31:25.190 --> 00:31:28.285 off cells in an area or block them,

NOTE Confidence: 0.9232063

00:31:28.290 --> 00:31:30.270 the other ones will proliferate.

NOTE Confidence: 0.9232063

00:31:30.270 --> 00:31:31.850 Kind of like weeds,
NOTE Confidence: 0.9232063

00:31:31.850 --> 00:31:33.825 so that got him thinking.
NOTE Confidence: 0.9232063

00:31:33.830 --> 00:31:36.595 Oh well, then if you block something
NOTE Confidence: 0.9232063

00:31:36.595 --> 00:31:38.190 near the interstitial cell,
NOTE Confidence: 0.9232063

00:31:38.190 --> 00:31:40.955 a Vacek to me would do that.
NOTE Confidence: 0.9232063

00:31:40.960 --> 00:31:42.940 That'll make more interstitial cells.
NOTE Confidence: 0.9232063

00:31:42.940 --> 00:31:44.920 Then we'll have more of
NOTE Confidence: 0.9232063

00:31:44.920 --> 00:31:46.900 whatever this male hormone is,
NOTE Confidence: 0.9232063

00:31:46.900 --> 00:31:48.950 and that'll make people smarter.
NOTE Confidence: 0.9232063

00:31:48.950 --> 00:31:49.976 And better libido.
NOTE Confidence: 0.9232063

00:31:49.976 --> 00:31:52.028 An more wonderful whatever he thought,
NOTE Confidence: 0.9232063

00:31:52.030 --> 00:31:53.765 all those male characteristics were
NOTE Confidence: 0.9232063

00:31:53.765 --> 00:31:56.882 so he tested it on rats an he said
NOTE Confidence: 0.9232063

00:31:56.882 --> 00:31:58.522 he saw they became eroticized,
NOTE Confidence: 0.9232063

00:31:58.530 --> 00:32:00.973 which my copier said isn't a word
NOTE Confidence: 0.9232063

00:32:00.973 --> 00:32:03.308 and I'm like that he used it.

NOTE Confidence: 0.9232063

00:32:03.310 --> 00:32:05.332 He actually coined the term eroticization

NOTE Confidence: 0.9232063

00:32:05.332 --> 00:32:07.420 and that's what is rats became.

NOTE Confidence: 0.9232063

00:32:07.420 --> 00:32:10.381 And then they tested it in a man he

NOTE Confidence: 0.9232063

00:32:10.381 --> 00:32:12.380 didn't have. A colleague did an.

NOTE Confidence: 0.9232063

00:32:12.380 --> 00:32:14.940 We all know the power of testimony.

NOTE Confidence: 0.9232063

00:32:14.940 --> 00:32:17.244 The doctor said I want you to now

NOTE Confidence: 0.9232063

00:32:17.244 --> 00:32:19.699 see if you have a stronger libido

NOTE Confidence: 0.9232063

00:32:19.699 --> 00:32:21.975 'cause we think this is going

NOTE Confidence: 0.9232063

00:32:21.975 --> 00:32:23.955 to make your libido better.

NOTE Confidence: 0.9232063

00:32:23.960 --> 00:32:25.366 And you should feel closer

NOTE Confidence: 0.9232063

00:32:25.366 --> 00:32:27.050 to your 20 year old self.

NOTE Confidence: 0.9232063

00:32:27.050 --> 00:32:28.460 And sure enough, he did.

NOTE Confidence: 0.9232063

00:32:28.460 --> 00:32:29.584 Freud had it done.

NOTE Confidence: 0.9232063

00:32:29.584 --> 00:32:30.989 He said he felt better.

NOTE Confidence: 0.9232063

00:32:30.990 --> 00:32:32.034 Yates had it done,

NOTE Confidence: 0.9232063

00:32:32.034 --> 00:32:33.600 and said even his poetry is
NOTE Confidence: 0.9232063

00:32:33.664 --> 00:32:35.199 better than it's ever been.
NOTE Confidence: 0.89791685

00:32:37.540 --> 00:32:39.465 Steinach because the concept of
NOTE Confidence: 0.89791685

00:32:39.465 --> 00:32:41.390 this ectomy's for libido became
NOTE Confidence: 0.89791685

00:32:41.457 --> 00:32:43.107 so popular here in America,
NOTE Confidence: 0.89791685

00:32:43.110 --> 00:32:45.330 that Steinbeck's name became a verb.
NOTE Confidence: 0.89791685

00:32:45.330 --> 00:32:48.298 So people were getting Stein Act all over.
NOTE Confidence: 0.89791685

00:32:48.300 --> 00:32:49.784 There were doctors saying
NOTE Confidence: 0.89791685

00:32:49.784 --> 00:32:51.268 this doesn't make sense.
NOTE Confidence: 0.89791685

00:32:51.270 --> 00:32:52.263 This is testimony.
NOTE Confidence: 0.89791685

00:32:52.263 --> 00:32:54.249 But as you know testimony held
NOTE Confidence: 0.89791685

00:32:54.249 --> 00:32:56.682 sway and it didn't fade because
NOTE Confidence: 0.89791685

00:32:56.682 --> 00:32:58.314 doctors finally convinced people.
NOTE Confidence: 0.89791685

00:32:58.320 --> 00:33:00.170 I think this is placebo.
NOTE Confidence: 0.89791685

00:33:00.170 --> 00:33:02.696 It's Wade because we isolated testosterone
NOTE Confidence: 0.89791685

00:33:02.696 --> 00:33:06.108 and you don't have to grab the Vacek to me.

NOTE Confidence: 0.89791685

00:33:06.110 --> 00:33:07.175 You could just.

NOTE Confidence: 0.89791685

00:33:07.175 --> 00:33:09.660 One day get testosterone gel well and

NOTE Confidence: 0.8675709

00:33:09.660 --> 00:33:11.668 Randy tells the story of a band in

NOTE Confidence: 0.8675709

00:33:11.668 --> 00:33:13.805 London who had it done and rented the

NOTE Confidence: 0.8675709

00:33:13.805 --> 00:33:15.945 Royal Albert Hall to kind of prove his

NOTE Confidence: 0.8675709

00:33:15.945 --> 00:33:18.222 reality is going to stand on sat on

NOTE Confidence: 0.8675709

00:33:18.222 --> 00:33:20.418 stage and let people asking questions

NOTE Confidence: 0.8675709

00:33:20.418 --> 00:33:22.906 forever and ever and he had a heart

NOTE Confidence: 0.8675709

00:33:22.906 --> 00:33:24.949 attack and died the night before.

NOTE Confidence: 0.8675709

00:33:24.950 --> 00:33:27.492 Oh yes, hopefully he lived a good,

NOTE Confidence: 0.8675709

00:33:27.492 --> 00:33:29.310 robust life until then. So

NOTE Confidence: 0.8772797

00:33:29.310 --> 00:33:30.399 I want to

NOTE Confidence: 0.8772797

00:33:30.400 --> 00:33:31.848 open it up to

NOTE Confidence: 0.8772797

00:33:31.850 --> 00:33:34.384 questions. I know we have roving Mike's,

NOTE Confidence: 0.8772797

00:33:34.390 --> 00:33:36.508 I think will take audience questions

NOTE Confidence: 0.8772797

00:33:36.508 --> 00:33:38.740 for about 20 or so minutes.
NOTE Confidence: 0.8772797

00:33:38.740 --> 00:33:40.918 And then I want to ask
NOTE Confidence: 0.8772797

00:33:40.918 --> 00:33:42.007 Randy concluding question.
NOTE Confidence: 0.8772797

00:33:42.010 --> 00:33:44.912 And if none of you raise your hands,
NOTE Confidence: 0.8772797

00:33:44.912 --> 00:33:46.364 although you don't strike
NOTE Confidence: 0.8772797

00:33:46.364 --> 00:33:48.184 me as a retiring audience,
NOTE Confidence: 0.8772797

00:33:48.184 --> 00:33:50.718 but if no one raises your hands,
NOTE Confidence: 0.8772797

00:33:50.720 --> 00:33:52.898 I'm happy to keep asking questions.
NOTE Confidence: 0.8772797

00:33:52.900 --> 00:33:54.840 So with that preamble, dots.
NOTE Confidence: 0.8772797

00:33:54.840 --> 00:33:58.880 Questions comments for Randy.
NOTE Confidence: 0.8772797

00:33:58.880 --> 00:34:01.210 No no yes.
NOTE Confidence: 0.84020823

00:34:10.270 --> 00:34:12.328 It's OK, we can hear you too. I can repeat
NOTE Confidence: 0.84020823

00:34:12.330 --> 00:34:13.566 the question will repeat a mole.
NOTE Confidence: 0.84020823

00:34:13.570 --> 00:34:14.390 Repeat the question case.
NOTE Confidence: 0.46886697

00:34:17.680 --> 00:34:18.250 People live.
NOTE Confidence: 0.3560144

00:34:21.730 --> 00:34:22.100 Charlie.

NOTE Confidence: 0.69075584

00:34:25.790 --> 00:34:26.660 For example.

NOTE Confidence: 0.53404814

00:34:29.410 --> 00:34:29.800 Right?

NOTE Confidence: 0.372029

00:34:33.310 --> 00:34:33.700 That

NOTE Confidence: 0.085379

00:34:37.870 --> 00:34:41.630 Ha. OK, so the question was for

NOTE Confidence: 0.085379

00:34:41.630 --> 00:34:43.620 anyone that didn't hear it.

NOTE Confidence: 0.9197347

00:34:43.620 --> 00:34:46.868 Why do people gravitate to goop over them?

NOTE Confidence: 0.9197347

00:34:46.870 --> 00:34:48.498 Their family practitioner anan.

NOTE Confidence: 0.9197347

00:34:48.498 --> 00:34:50.940 Why are people distrustful of Medicine?

NOTE Confidence: 0.9197347

00:34:50.940 --> 00:34:53.910 and I do think it goes back to were

NOTE Confidence: 0.9197347

00:34:53.910 --> 00:34:56.899 trained as physicians to explain the pros

NOTE Confidence: 0.9197347

00:34:56.899 --> 00:35:00.031 and cons of everything an there's this

NOTE Confidence: 0.9197347

00:35:00.031 --> 00:35:02.701 damn uncertainty that people don't want

NOTE Confidence: 0.9197347

00:35:02.701 --> 00:35:06.005 to hear about and so things like goop.

NOTE Confidence: 0.9197347

00:35:06.005 --> 00:35:09.350 I think there's a number of reasons one.

NOTE Confidence: 0.9197347

00:35:09.350 --> 00:35:11.516 There's surety, even though it's fake,

NOTE Confidence: 0.9197347

00:35:11.520 --> 00:35:14.520 there's surety in it.
NOTE Confidence: 0.9197347

00:35:14.520 --> 00:35:16.680 And there's testimonies, and there's some.
NOTE Confidence: 0.9197347

00:35:16.680 --> 00:35:18.120 You know it's interesting
NOTE Confidence: 0.9197347

00:35:18.120 --> 00:35:19.920 because people will say, Oh,
NOTE Confidence: 0.9197347

00:35:19.920 --> 00:35:22.080 I don't believe what I read.
NOTE Confidence: 0.9197347

00:35:22.080 --> 00:35:24.600 They do believe what's in the media.
NOTE Confidence: 0.9197347

00:35:24.600 --> 00:35:27.120 and I also think that as doctors,
NOTE Confidence: 0.9197347

00:35:27.120 --> 00:35:29.409 it's important to keep up with what's
NOTE Confidence: 0.9197347

00:35:29.409 --> 00:35:31.974 going on and what your patients are
NOTE Confidence: 0.9197347

00:35:31.974 --> 00:35:33.869 hearing rather than just dismiss
NOTE Confidence: 0.9197347

00:35:33.869 --> 00:35:35.760 it outright because your patients
NOTE Confidence: 0.9197347

00:35:35.760 --> 00:35:38.277 want you to have an open mind.
NOTE Confidence: 0.9197347

00:35:38.277 --> 00:35:40.419 So rather than say which you
NOTE Confidence: 0.9197347

00:35:40.419 --> 00:35:41.880 just want to say,
NOTE Confidence: 0.9197347

00:35:41.880 --> 00:35:45.219 and I'd want to say like that's from goop.
NOTE Confidence: 0.9197347

00:35:45.220 --> 00:35:45.752 It's ridiculous.

NOTE Confidence: 0.9197347

00:35:45.752 --> 00:35:46.550 Don't go there.

NOTE Confidence: 0.9197347

00:35:46.550 --> 00:35:48.134 I think we have this history

NOTE Confidence: 0.9197347

00:35:48.134 --> 00:35:48.926 sometimes of doctors,

NOTE Confidence: 0.9197347

00:35:48.930 --> 00:35:50.659 and I'd probably be the same way

NOTE Confidence: 0.9197347

00:35:50.659 --> 00:35:52.556 that you just get so annoyed and

NOTE Confidence: 0.9197347

00:35:52.556 --> 00:35:54.200 angry that someone would do that

NOTE Confidence: 0.9197347

00:35:54.260 --> 00:35:56.087 and you just want to say honestly,

NOTE Confidence: 0.9197347

00:35:56.090 --> 00:35:56.882 don't do that.

NOTE Confidence: 0.9197347

00:35:56.882 --> 00:35:58.466 Here's what you're supposed to do.

NOTE Confidence: 0.9197347

00:35:58.470 --> 00:36:00.590 It might be better not take an hour,

NOTE Confidence: 0.9197347

00:36:00.590 --> 00:36:03.240 but a few moments just to say I get it.

NOTE Confidence: 0.9197347

00:36:03.240 --> 00:36:04.830 I know where you're coming from.

NOTE Confidence: 0.9197347

00:36:04.830 --> 00:36:06.426 I know you think that you're tired

NOTE Confidence: 0.9197347

00:36:06.426 --> 00:36:08.279 because you have adrenal fatigue syndrome,

NOTE Confidence: 0.9197347

00:36:08.280 --> 00:36:10.128 but can I just explain to you?

NOTE Confidence: 0.9197347

00:36:10.130 --> 00:36:12.515 I know this is where this is coming from,
NOTE Confidence: 0.9197347

00:36:12.520 --> 00:36:14.110 but here's what I'm worried about.
NOTE Confidence: 0.9197347

00:36:14.110 --> 00:36:15.246 If you do that.
NOTE Confidence: 0.9197347

00:36:15.246 --> 00:36:17.350 And here's what I think can help,
NOTE Confidence: 0.9197347

00:36:17.350 --> 00:36:19.990 and I think so much of it sounds so trite,
NOTE Confidence: 0.9197347

00:36:19.990 --> 00:36:22.020 but so much of it does come down to doctor
NOTE Confidence: 0.9197347

00:36:22.076 --> 00:36:24.206 patient relationships and just taking those.
NOTE Confidence: 0.9197347

00:36:24.210 --> 00:36:25.897 I mean that didn't take me that
NOTE Confidence: 0.9197347

00:36:25.897 --> 00:36:27.909 long to say that just taking that,
NOTE Confidence: 0.9197347

00:36:27.910 --> 00:36:28.438 you know,
NOTE Confidence: 0.9197347

00:36:28.438 --> 00:36:29.230 'cause everyone complaints.
NOTE Confidence: 0.9197347

00:36:29.230 --> 00:36:30.550 I don't have an hour,
NOTE Confidence: 0.9197347

00:36:30.550 --> 00:36:31.918 but it doesn't take an hour
NOTE Confidence: 0.9197347

00:36:31.918 --> 00:36:33.980 just to be a little open minded.
NOTE Confidence: 0.9197347

00:36:33.980 --> 00:36:35.695 And also I do think like flip
NOTE Confidence: 0.9197347

00:36:35.695 --> 00:36:37.602 through you don't buy it but flip

NOTE Confidence: 0.9197347

00:36:37.602 --> 00:36:38.992 through some of these magazines.

NOTE Confidence: 0.9197347

00:36:39.000 --> 00:36:41.104 Go on the website, see what's out there.

NOTE Confidence: 0.9197347

00:36:41.110 --> 00:36:42.616 I not only think it's good

NOTE Confidence: 0.9197347

00:36:42.616 --> 00:36:44.010 to know what's out there,

NOTE Confidence: 0.9197347

00:36:44.010 --> 00:36:45.720 but it will explain your patience.

NOTE Confidence: 0.9197347

00:36:45.720 --> 00:36:48.079 Fears 'cause I think what's being sold.

NOTE Confidence: 0.9197347

00:36:48.080 --> 00:36:50.446 Some of those people are really savvy

NOTE Confidence: 0.9197347

00:36:50.446 --> 00:36:52.797 about knowing what people are afraid of.

NOTE Confidence: 0.9197347

00:36:52.800 --> 00:36:53.472 Old age.

NOTE Confidence: 0.9197347

00:36:53.472 --> 00:36:54.480 Loss of libido.

NOTE Confidence: 0.9197347

00:36:54.480 --> 00:36:57.513 I don't know, Gray hair or whatever you know.

NOTE Confidence: 0.9197347

00:36:57.520 --> 00:36:59.542 But I think sometimes we don't

NOTE Confidence: 0.9197347

00:36:59.542 --> 00:37:00.890 realize what our patients,

NOTE Confidence: 0.9197347

00:37:00.890 --> 00:37:01.562 your patience.

NOTE Confidence: 0.9197347

00:37:01.562 --> 00:37:02.906 I don't have any.

NOTE Confidence: 0.9197347

00:37:02.910 --> 00:37:04.750 You don't realize what your
NOTE Confidence: 0.9197347

00:37:04.750 --> 00:37:06.933 patients are afraid of and so
NOTE Confidence: 0.9197347

00:37:06.933 --> 00:37:09.061 it's good to keep an open mind to
NOTE Confidence: 0.9197347

00:37:09.061 --> 00:37:11.572 be reading that just so that you
NOTE Confidence: 0.9197347

00:37:11.572 --> 00:37:13.350 know where these market forces
NOTE Confidence: 0.92692137

00:37:13.350 --> 00:37:15.835 are random. I think first bonded over.
NOTE Confidence: 0.92692137

00:37:15.840 --> 00:37:19.655 Our distress about the Anti Vaccine Movement,
NOTE Confidence: 0.92692137

00:37:19.660 --> 00:37:23.218 which is another kind of iteration
NOTE Confidence: 0.92692137

00:37:23.218 --> 00:37:26.595 of this same challenge and as
NOTE Confidence: 0.92692137

00:37:26.595 --> 00:37:30.750 I have said before, I'm not.
NOTE Confidence: 0.92692137

00:37:30.750 --> 00:37:33.046 I'm really not a vindictive person at all,
NOTE Confidence: 0.92692137

00:37:33.050 --> 00:37:36.749 which is probably healthy for me in my life.
NOTE Confidence: 0.92692137

00:37:36.750 --> 00:37:38.736 The only person the only person
NOTE Confidence: 0.92692137

00:37:38.736 --> 00:37:41.412 really that I have a real vendetta
NOTE Confidence: 0.92692137

00:37:41.412 --> 00:37:43.116 against his Andrew Wakefield.
NOTE Confidence: 0.92692137

00:37:43.120 --> 00:37:44.640 There's a special place in

NOTE Confidence: 0.8985918

00:37:44.640 --> 00:37:45.540 hell for him,

NOTE Confidence: 0.8985918

00:37:45.540 --> 00:37:47.358 and and I say that because

NOTE Confidence: 0.8985918

00:37:47.360 --> 00:37:49.460 he has and continues to be a

NOTE Confidence: 0.8985918

00:37:49.460 --> 00:37:51.320 destructive force and I keep telling

NOTE Confidence: 0.8985918

00:37:51.320 --> 00:37:53.120 my friends in England I can't.

NOTE Confidence: 0.8985918

00:37:53.120 --> 00:37:55.850 You just take him back and we don't want

NOTE Confidence: 0.8985918

00:37:55.850 --> 00:37:58.266 him here in the United States any longer,

NOTE Confidence: 0.8985918

00:37:58.270 --> 00:38:00.790 but I think that he is sadly

NOTE Confidence: 0.8985918

00:38:00.790 --> 00:38:02.579 the the archetype of this.

NOTE Confidence: 0.8985918

00:38:02.580 --> 00:38:05.430 Of the prediction on fear.

NOTE Confidence: 0.8985918

00:38:05.430 --> 00:38:07.374 On the appeal to.

NOTE Confidence: 0.8985918

00:38:07.374 --> 00:38:10.290 I'm kind of in the apparent

NOTE Confidence: 0.8985918

00:38:10.404 --> 00:38:13.968 best instincts in the kind of

NOTE Confidence: 0.8985918

00:38:13.968 --> 00:38:17.000 worst and most malfeasant ways.

NOTE Confidence: 0.8985918

00:38:17.000 --> 00:38:18.992 Other questions in the white coat

NOTE Confidence: 0.8985918

00:38:18.992 --> 00:38:21.347 with white could then I don't know any
NOTE Confidence: 0.89453316

00:38:21.350 --> 00:38:23.838 vendors and I realize it's also not very
NOTE Confidence: 0.89453316

00:38:23.840 --> 00:38:25.400 particular. Thank you know you
NOTE Confidence: 0.89453316

00:38:25.400 --> 00:38:27.570 can't see my paint out really point
NOTE Confidence: 0.89453316

00:38:27.570 --> 00:38:28.503 in your direction.
NOTE Confidence: 0.89453316

00:38:28.503 --> 00:38:30.058 Really wonderful presentation so far.
NOTE Confidence: 0.89453316

00:38:30.060 --> 00:38:32.760 My name is Tara Sam from one of the
NOTE Confidence: 0.89453316

00:38:32.760 --> 00:38:34.773 oncologists here and I'm sort of along
NOTE Confidence: 0.89453316

00:38:34.773 --> 00:38:37.219 the lines of the gentleman before me.
NOTE Confidence: 0.89453316

00:38:37.220 --> 00:38:39.700 You know in cancer care something like 85%
NOTE Confidence: 0.89453316

00:38:39.700 --> 00:38:42.017 of our patients take supplements and we
NOTE Confidence: 0.89453316

00:38:42.017 --> 00:38:44.369 either don't ask or they don't tell us,
NOTE Confidence: 0.89453316

00:38:44.370 --> 00:38:45.920 but they're doing it anyway.
NOTE Confidence: 0.89453316

00:38:45.920 --> 00:38:47.846 So just curious about your thoughts.
NOTE Confidence: 0.89453316

00:38:47.850 --> 00:38:49.628 Of how we might be able to
NOTE Confidence: 0.89453316

00:38:49.628 --> 00:38:51.439 take it even a step further,

NOTE Confidence: 0.89453316

00:38:51.440 --> 00:38:53.096 not just being aware of it

NOTE Confidence: 0.89453316

00:38:53.096 --> 00:38:54.619 or asking about it, but.

NOTE Confidence: 0.89453316

00:38:54.619 --> 00:38:55.876 Should we embrace,

NOTE Confidence: 0.89453316

00:38:55.876 --> 00:38:58.879 you know some of these integrative and

NOTE Confidence: 0.89453316

00:38:58.879 --> 00:39:01.728 supplemental practices to 1st do no harm,

NOTE Confidence: 0.89453316

00:39:01.730 --> 00:39:04.442 but maybe how some of these

NOTE Confidence: 0.89453316

00:39:04.442 --> 00:39:06.250 services within cancer centers

NOTE Confidence: 0.89453316

00:39:06.335 --> 00:39:08.904 so that patients have a place to.

NOTE Confidence: 0.89453316

00:39:08.910 --> 00:39:10.975 Come to talk to people about alternative

NOTE Confidence: 0.89453316

00:39:10.975 --> 00:39:11.860 and complementary treatments.

NOTE Confidence: 0.89453316

00:39:11.860 --> 00:39:13.040 I should say complementary.

NOTE Confidence: 0.89453316

00:39:13.040 --> 00:39:13.630 Not alternative,

NOTE Confidence: 0.89453316

00:39:13.630 --> 00:39:14.488 but you know,

NOTE Confidence: 0.89453316

00:39:14.488 --> 00:39:16.490 we're sort of on the verge of

NOTE Confidence: 0.89453316

00:39:16.561 --> 00:39:17.757 some of that here,

NOTE Confidence: 0.89453316

00:39:17.760 --> 00:39:20.415 and I know other cancer centers are doing it.

NOTE Confidence: 0.89453316

00:39:20.420 --> 00:39:22.190 And if we don't do it,

NOTE Confidence: 0.89453316

00:39:22.190 --> 00:39:24.024 I feel like they're just going to

NOTE Confidence: 0.89453316

00:39:24.024 --> 00:39:25.845 go out to these private boutiques

NOTE Confidence: 0.89453316

00:39:25.845 --> 00:39:28.457 where they pay a lot of money to

NOTE Confidence: 0.89453316

00:39:28.457 --> 00:39:30.459 take a lot of supplements that could

NOTE Confidence: 0.89453316

00:39:30.459 --> 00:39:32.732 do harm and and so I'm just curious

NOTE Confidence: 0.89453316

00:39:32.732 --> 00:39:34.527 about your thoughts on what our

NOTE Confidence: 0.89453316

00:39:34.527 --> 00:39:36.345 role is in the medical profession.

NOTE Confidence: 0.89453316

00:39:36.350 --> 00:39:38.918 To address some of it may be embrace.

NOTE Confidence: 0.89453316

00:39:38.920 --> 00:39:39.440 Some of

NOTE Confidence: 0.92877054

00:39:39.440 --> 00:39:41.456 it I do think it's a good idea to

NOTE Confidence: 0.92877054

00:39:41.456 --> 00:39:43.389 embrace some of some of the things of

NOTE Confidence: 0.92877054

00:39:43.389 --> 00:39:45.418 like yoga and massage and meditation.

NOTE Confidence: 0.92877054

00:39:45.420 --> 00:39:47.420 An I know that there are centers that

NOTE Confidence: 0.92877054

00:39:47.420 --> 00:39:49.233 will tell patients we don't know if

NOTE Confidence: 0.92877054

00:39:49.233 --> 00:39:51.398 this is going to make you live longer.

NOTE Confidence: 0.92877054

00:39:51.400 --> 00:39:52.960 An it doesn't mean you weren't

NOTE Confidence: 0.92877054

00:39:52.960 --> 00:39:54.000 meditating the right way.

NOTE Confidence: 0.92877054

00:39:54.000 --> 00:39:54.936 If it doesn't help,

NOTE Confidence: 0.92877054

00:39:54.936 --> 00:39:56.967 but we do know it can help make

NOTE Confidence: 0.92877054

00:39:56.967 --> 00:39:58.677 you feel better along the way.

NOTE Confidence: 0.92877054

00:39:58.680 --> 00:40:00.420 and I do think that show.

NOTE Confidence: 0.92877054

00:40:00.420 --> 00:40:02.620 Patients that you do have this open mind,

NOTE Confidence: 0.92877054

00:40:02.620 --> 00:40:04.556 but yeah, I do think that it allows

NOTE Confidence: 0.92877054

00:40:04.556 --> 00:40:06.645 them then to maybe open up and shows

NOTE Confidence: 0.92877054

00:40:06.645 --> 00:40:08.395 that you're more open minded to

NOTE Confidence: 0.92877054

00:40:08.395 --> 00:40:10.045 tell you about their supplements.

NOTE Confidence: 0.92877054

00:40:10.050 --> 00:40:12.057 When I was in the gym the other day

NOTE Confidence: 0.92877054

00:40:12.057 --> 00:40:14.358 and I heard like look like a 20 year

NOTE Confidence: 0.92877054

00:40:14.358 --> 00:40:15.934 old trainer telling someone hears

NOTE Confidence: 0.92877054

00:40:15.934 --> 00:40:18.300 the supplements I'd like you to take.
NOTE Confidence: 0.92877054

00:40:18.300 --> 00:40:21.100 He was talking to like a 60 year old man
NOTE Confidence: 0.92877054

00:40:21.170 --> 00:40:24.272 and I was like do I do I get into this kind?
NOTE Confidence: 0.92877054

00:40:24.272 --> 00:40:26.853 do I inject myself and I can hear my girls
NOTE Confidence: 0.92877054

00:40:26.853 --> 00:40:28.749 saying even though they weren't there?
NOTE Confidence: 0.92877054

00:40:28.750 --> 00:40:30.120 No stay out of it.
NOTE Confidence: 0.92877054

00:40:30.120 --> 00:40:31.564 Stay out of it.
NOTE Confidence: 0.92877054

00:40:31.564 --> 00:40:32.286 But Fortunately,
NOTE Confidence: 0.92877054

00:40:32.290 --> 00:40:34.278 as he would listed all the supplements
NOTE Confidence: 0.92877054

00:40:34.278 --> 00:40:36.190 that this guy should by the response
NOTE Confidence: 0.92877054

00:40:36.190 --> 00:40:38.300 right as I was about to interrupt,
NOTE Confidence: 0.92877054

00:40:38.300 --> 00:40:39.364 he said, you know,
NOTE Confidence: 0.92877054

00:40:39.364 --> 00:40:40.960 I've had a history of the
NOTE Confidence: 0.92877054

00:40:41.027 --> 00:40:42.299 patient or the train.
NOTE Confidence: 0.92877054

00:40:42.300 --> 00:40:43.380 The guy working out.
NOTE Confidence: 0.92877054

00:40:43.380 --> 00:40:45.450 I've had a history of kidney stones.

NOTE Confidence: 0.92877054

00:40:45.450 --> 00:40:46.880 My doctors told me that,

NOTE Confidence: 0.92877054

00:40:46.880 --> 00:40:49.015 you know if anyone ever recommends a

NOTE Confidence: 0.92877054

00:40:49.015 --> 00:40:51.170 supplement to really check it out with him.

NOTE Confidence: 0.92877054

00:40:51.170 --> 00:40:53.564 So if you can write them down and I'm

NOTE Confidence: 0.92877054

00:40:53.564 --> 00:40:55.870 going to bring it back to my doctor just

NOTE Confidence: 0.92877054

00:40:55.870 --> 00:40:58.599 so he knows 'cause it was really painful.

NOTE Confidence: 0.92877054

00:40:58.600 --> 00:41:00.405 Those kidney stones and I

NOTE Confidence: 0.92877054

00:41:00.405 --> 00:41:02.210 don't want to do anything.

NOTE Confidence: 0.92877054

00:41:02.210 --> 00:41:04.710 OK, and I didn't interrupt

NOTE Confidence: 0.92877054

00:41:04.710 --> 00:41:06.710 even join the conversation.

NOTE Confidence: 0.92877054

00:41:06.710 --> 00:41:07.256 But yeah,

NOTE Confidence: 0.92877054

00:41:07.256 --> 00:41:09.167 I do think what you're saying like

NOTE Confidence: 0.92877054

00:41:09.167 --> 00:41:10.849 rather than say we're not going to

NOTE Confidence: 0.92877054

00:41:10.849 --> 00:41:12.624 do any of that here because it's

NOTE Confidence: 0.92877054

00:41:12.624 --> 00:41:14.535 not going to make you live longer

NOTE Confidence: 0.92877054

00:41:14.540 --> 00:41:16.684 to have to show that you're open to
NOTE Confidence: 0.92877054

00:41:16.684 --> 00:41:18.269 these suggestions an that if this
NOTE Confidence: 0.92877054

00:41:18.269 --> 00:41:19.757 makes the journey easier for you,
NOTE Confidence: 0.92877054

00:41:19.760 --> 00:41:21.377 but we don't want you spending your
NOTE Confidence: 0.92877054

00:41:21.377 --> 00:41:23.408 money or doing something that can interact,
NOTE Confidence: 0.92877054

00:41:23.410 --> 00:41:25.902 I think one of the things that
NOTE Confidence: 0.92877054

00:41:25.902 --> 00:41:27.240 people don't understand is.
NOTE Confidence: 0.92877054

00:41:27.240 --> 00:41:29.039 That they feel like and I always
NOTE Confidence: 0.92877054

00:41:29.039 --> 00:41:31.063 try to say people if you think
NOTE Confidence: 0.92877054

00:41:31.063 --> 00:41:32.851 it's potent enough to do good,
NOTE Confidence: 0.92877054

00:41:32.860 --> 00:41:34.420 it's got to be potent enough
NOTE Confidence: 0.92877054

00:41:34.420 --> 00:41:35.950 to have a side effect.
NOTE Confidence: 0.92877054

00:41:35.950 --> 00:41:37.798 For some reason they get that chemo
NOTE Confidence: 0.92877054

00:41:37.798 --> 00:41:39.888 can do good things and bad things,
NOTE Confidence: 0.92877054

00:41:39.890 --> 00:41:41.892 but supplements can only do the good
NOTE Confidence: 0.92877054

00:41:41.892 --> 00:41:44.375 thing and some might be doing a good thing.

NOTE Confidence: 0.92877054

00:41:44.380 --> 00:41:46.066 But they also might be doing.

NOTE Confidence: 0.92877054

00:41:46.070 --> 00:41:47.470 I mean you know this.

NOTE Confidence: 0.92877054

00:41:47.470 --> 00:41:48.880 I'm telling this to you,

NOTE Confidence: 0.92877054

00:41:48.880 --> 00:41:50.280 but I do think, yeah,

NOTE Confidence: 0.92877054

00:41:50.280 --> 00:41:52.320 it's that we should have.

NOTE Confidence: 0.92877054

00:41:52.320 --> 00:41:55.158 Complementary medicine available.

NOTE Confidence: 0.883468

00:41:56.200 --> 00:41:57.985 Other questions, any

NOTE Confidence: 0.883468

00:41:57.985 --> 00:42:00.880 questions in the balcony? Yes.

NOTE Confidence: 0.9290291

00:42:03.800 --> 00:42:06.068 Hi, my name is Molly Dornburg.

NOTE Confidence: 0.9290291

00:42:06.070 --> 00:42:08.332 I'm a student, the school of

NOTE Confidence: 0.9290291

00:42:08.332 --> 00:42:10.224 Public Health. I am wondering

NOTE Confidence: 0.9290291

00:42:10.224 --> 00:42:12.870 how you think about and how you

NOTE Confidence: 0.9290291

00:42:12.870 --> 00:42:16.268 address in your book the relative. I guess I

NOTE Confidence: 0.9290291

00:42:16.270 --> 00:42:17.782 would say lack of

NOTE Confidence: 0.9290291

00:42:17.782 --> 00:42:19.294 intersectionality in this history

NOTE Confidence: 0.9290291

00:42:19.300 --> 00:42:21.940 in terms of like race, ethnicity,
NOTE Confidence: 0.9290291

00:42:21.940 --> 00:42:24.610 socioeconomic status, etc. In
NOTE Confidence: 0.9157013

00:42:24.610 --> 00:42:26.270 terms of medical history,
NOTE Confidence: 0.9157013

00:42:26.270 --> 00:42:28.825 mean in terms of how and whether
NOTE Confidence: 0.9157013

00:42:28.825 --> 00:42:31.665 at all this history applies to
NOTE Confidence: 0.9157013

00:42:31.665 --> 00:42:34.150 people who are non affluent and
NOTE Confidence: 0.9157013

00:42:34.150 --> 00:42:37.685 nonwhite, I think there's been I mean.
NOTE Confidence: 0.9157013

00:42:37.690 --> 00:42:39.478 I just look at the history,
NOTE Confidence: 0.9157013

00:42:39.480 --> 00:42:40.980 not trying to change things,
NOTE Confidence: 0.9157013

00:42:40.980 --> 00:42:42.016 but I think yeah,
NOTE Confidence: 0.9157013

00:42:42.016 --> 00:42:44.770 this comes up a lot in what I write and
NOTE Confidence: 0.9157013

00:42:44.770 --> 00:42:47.260 what I've looked at both in childbirth,
NOTE Confidence: 0.9157013

00:42:47.260 --> 00:42:49.636 an in hormone therapy we know when the
NOTE Confidence: 0.9157013

00:42:49.636 --> 00:42:51.439 birth control pill first came out.
NOTE Confidence: 0.9157013

00:42:51.440 --> 00:42:54.140 It was mainly white women that can afford it,
NOTE Confidence: 0.9157013

00:42:54.140 --> 00:42:55.886 and then there were fears than

NOTE Confidence: 0.9157013

00:42:55.886 --> 00:42:57.719 that it was being pushed on.

NOTE Confidence: 0.9157013

00:42:57.720 --> 00:42:58.920 People on on sterilization

NOTE Confidence: 0.9157013

00:42:58.920 --> 00:43:00.120 that didn't want it.

NOTE Confidence: 0.9157013

00:43:00.120 --> 00:43:01.828 So we have this mixed history and

NOTE Confidence: 0.9157013

00:43:01.828 --> 00:43:03.372 that again it's interesting like

NOTE Confidence: 0.9157013

00:43:03.372 --> 00:43:04.896 Barbara Balaban for instance,

NOTE Confidence: 0.9157013

00:43:04.900 --> 00:43:07.399 the one that.

NOTE Confidence: 0.9157013

00:43:07.400 --> 00:43:09.507 That was the big growth hormone collector.

NOTE Confidence: 0.9157013

00:43:09.510 --> 00:43:11.322 She's a white woman from Long

NOTE Confidence: 0.9157013

00:43:11.322 --> 00:43:13.762 Island and she had told me that her

NOTE Confidence: 0.9157013

00:43:13.762 --> 00:43:15.830 doctor was just kind of nasty to

NOTE Confidence: 0.9157013

00:43:15.830 --> 00:43:18.166 her an actually I gave a talk here

NOTE Confidence: 0.9157013

00:43:18.166 --> 00:43:20.035 about that chapter while ago and

NOTE Confidence: 0.9157013

00:43:20.035 --> 00:43:22.449 someone came up to me and said no.

NOTE Confidence: 0.9157013

00:43:22.450 --> 00:43:24.256 Actually, she wasn't a nasty doctor,

NOTE Confidence: 0.9157013

00:43:24.260 --> 00:43:26.000 but the doctor that Barbara Balaban
NOTE Confidence: 0.9157013

00:43:26.000 --> 00:43:28.674 went to had such a concern to make sure
NOTE Confidence: 0.9157013

00:43:28.674 --> 00:43:30.580 that hormones were divvied up evenly,
NOTE Confidence: 0.9157013

00:43:30.580 --> 00:43:32.596 that I think she was annoyed
NOTE Confidence: 0.9157013

00:43:32.596 --> 00:43:34.520 that this one patient was able
NOTE Confidence: 0.9157013

00:43:34.520 --> 00:43:36.298 to do so well on her own.
NOTE Confidence: 0.9157013

00:43:36.300 --> 00:43:38.250 So they had this contentious relationship.
NOTE Confidence: 0.9157013

00:43:38.250 --> 00:43:39.650 But I do think yes.
NOTE Confidence: 0.9157013

00:43:39.650 --> 00:43:40.216 It's been.
NOTE Confidence: 0.9157013

00:43:40.216 --> 00:43:41.914 There's been a whole history of
NOTE Confidence: 0.9157013

00:43:41.914 --> 00:43:43.878 certain types of medicine that are only
NOTE Confidence: 0.9157013

00:43:43.878 --> 00:43:45.779 available to those that can afford it.
NOTE Confidence: 0.9157013

00:43:45.780 --> 00:43:48.020 And it's not just who can afford it,
NOTE Confidence: 0.9157013

00:43:48.020 --> 00:43:49.568 but also who has the agency
NOTE Confidence: 0.9157013

00:43:49.568 --> 00:43:51.080 to say to their doctor.
NOTE Confidence: 0.9157013

00:43:51.080 --> 00:43:51.662 I mean,

NOTE Confidence: 0.9157013
00:43:51.662 --> 00:43:53.699 my last book was on history of
NOTE Confidence: 0.9157013
00:43:53.699 --> 00:43:55.368 childbirth an it was always sort
NOTE Confidence: 0.9157013
00:43:55.368 --> 00:43:57.280 of the women that felt they could
NOTE Confidence: 0.9157013
00:43:57.280 --> 00:43:59.177 speak up to doctors to say no.
NOTE Confidence: 0.9157013
00:43:59.180 --> 00:44:01.126 No, you're not doing that to me.
NOTE Confidence: 0.9157013
00:44:01.130 --> 00:44:03.076 Or yes, you can. So it's this.
NOTE Confidence: 0.9157013
00:44:03.080 --> 00:44:03.341 Yes,
NOTE Confidence: 0.9157013
00:44:03.341 --> 00:44:05.429 I I see what you're saying and it's
NOTE Confidence: 0.9157013
00:44:05.429 --> 00:44:07.550 this long history not just of money,
NOTE Confidence: 0.9157013
00:44:07.550 --> 00:44:08.510 but of race.
NOTE Confidence: 0.9157013
00:44:08.510 --> 00:44:09.150 But also,
NOTE Confidence: 0.9157013
00:44:09.150 --> 00:44:10.815 socioeconomic and a lot of
NOTE Confidence: 0.9157013
00:44:10.815 --> 00:44:12.840 that informs how much power a
NOTE Confidence: 0.9157013
00:44:12.840 --> 00:44:14.580 person feels they have to speak
NOTE Confidence: 0.9157013
00:44:14.580 --> 00:44:16.320 back to their physician and
NOTE Confidence: 0.8776692

00:44:16.320 --> 00:44:19.254 you do touch on that a little bit in
NOTE Confidence: 0.8776692

00:44:19.260 --> 00:44:20.890 your eugenics. Yeah, yeah discussion.
NOTE Confidence: 0.8101735

00:44:22.430 --> 00:44:27.118 Oh Gosh, Yes. Yeah, long hair.
NOTE Confidence: 0.8101735

00:44:27.120 --> 00:44:28.428 Write code long hair.
NOTE Confidence: 0.4225946

00:44:33.110 --> 00:44:33.430 Remind
NOTE Confidence: 0.505363

00:44:43.990 --> 00:44:44.370 president.
NOTE Confidence: 0.9161093

00:44:56.740 --> 00:44:58.896 Yeah, hopefully we're getting away from that.
NOTE Confidence: 0.9161093

00:44:58.900 --> 00:45:01.380 Yeah, and it was. It was like OK,
NOTE Confidence: 0.9161093

00:45:01.380 --> 00:45:03.390 anti mullerian hormone even in the
NOTE Confidence: 0.9161093

00:45:03.390 --> 00:45:05.609 beginning 'cause you know we all look
NOTE Confidence: 0.9161093

00:45:05.609 --> 00:45:07.862 alike in the very beginning when you're in
NOTE Confidence: 0.9161093

00:45:07.862 --> 00:45:10.340 that little Chris on stage of fetal life.
NOTE Confidence: 0.9161093

00:45:10.340 --> 00:45:11.930 And then it's when antimalarial
NOTE Confidence: 0.9161093

00:45:11.930 --> 00:45:13.866 hormone kicks in that you either
NOTE Confidence: 0.9161093

00:45:13.866 --> 00:45:15.588 choose one fork or the other.
NOTE Confidence: 0.9161093

00:45:15.590 --> 00:45:17.130 And yes there has been.

NOTE Confidence: 0.9161093

00:45:17.130 --> 00:45:18.915 I mean some of the quotes are

NOTE Confidence: 0.9161093

00:45:18.915 --> 00:45:20.597 just amazing in terms of anything

NOTE Confidence: 0.9161093

00:45:20.597 --> 00:45:22.585 that we've put towards a man and

NOTE Confidence: 0.9161093

00:45:22.643 --> 00:45:24.858 testosterone which means more stronger,

NOTE Confidence: 0.9161093

00:45:24.860 --> 00:45:25.901 more career oriented.

NOTE Confidence: 0.9161093

00:45:25.901 --> 00:45:28.330 I mean there there was a quote

NOTE Confidence: 0.9161093

00:45:28.403 --> 00:45:29.939 that I have in my book.

NOTE Confidence: 0.9161093

00:45:29.940 --> 00:45:31.590 Even from when estrogen and

NOTE Confidence: 0.9161093

00:45:31.590 --> 00:45:32.910 testosterone refers to isolate.

NOTE Confidence: 0.9161093

00:45:32.910 --> 00:45:35.550 And we thought OK, what can we do?

NOTE Confidence: 0.9161093

00:45:35.550 --> 00:45:36.870 How? Who needs this?

NOTE Confidence: 0.9161093

00:45:36.870 --> 00:45:37.530 Who doesn't,

NOTE Confidence: 0.9161093

00:45:37.530 --> 00:45:39.510 and one of the doctors said,

NOTE Confidence: 0.9161093

00:45:39.510 --> 00:45:41.998 you know we have to be careful because

NOTE Confidence: 0.9161093

00:45:41.998 --> 00:45:44.548 soon enough women will think that their

NOTE Confidence: 0.9161093

00:45:44.548 --> 00:45:47.099 ambitious enough to have careers so and he.

NOTE Confidence: 0.9161093

00:45:47.100 --> 00:45:50.448 I don't think he was kidding.

NOTE Confidence: 0.9161093

00:45:50.450 --> 00:45:52.634 And then someone said the response

NOTE Confidence: 0.9161093

00:45:52.634 --> 00:45:55.813 was this goes back to the 20s where

NOTE Confidence: 0.9161093

00:45:55.813 --> 00:45:57.873 we called like feminist suffragettes.

NOTE Confidence: 0.9161093

00:45:57.880 --> 00:46:01.150 But could we turn those suffragettes

NOTE Confidence: 0.9161093

00:46:01.150 --> 00:46:03.900 back into maternal housekeepers again?

NOTE Confidence: 0.9161093

00:46:03.900 --> 00:46:05.725 I think that hopefully we're

NOTE Confidence: 0.9161093

00:46:05.725 --> 00:46:07.185 getting away from that,

NOTE Confidence: 0.9161093

00:46:07.190 --> 00:46:09.386 but it is something still ingrained.

NOTE Confidence: 0.9161093

00:46:09.390 --> 00:46:11.441 A colleague of mine is writing a

NOTE Confidence: 0.9161093

00:46:11.441 --> 00:46:13.735 book just on testosterone and she

NOTE Confidence: 0.9161093

00:46:13.735 --> 00:46:15.975 calls it the aspirational hormone.

NOTE Confidence: 0.9161093

00:46:15.980 --> 00:46:18.346 She's done a lot of work with

NOTE Confidence: 0.9161093

00:46:18.346 --> 00:46:20.370 gender issues and the Olympics.

NOTE Confidence: 0.9161093

00:46:20.370 --> 00:46:21.468 That's her expertise,

NOTE Confidence: 0.9161093

00:46:21.468 --> 00:46:22.200 not mine,

NOTE Confidence: 0.9161093

00:46:22.200 --> 00:46:24.412 but we still think that these women

NOTE Confidence: 0.9161093

00:46:24.412 --> 00:46:26.589 that have slightly higher testosterone.

NOTE Confidence: 0.9161093

00:46:26.590 --> 00:46:28.054 That's what's making them

NOTE Confidence: 0.9161093

00:46:28.054 --> 00:46:29.884 run faster and do better.

NOTE Confidence: 0.9161093

00:46:29.890 --> 00:46:32.452 And we know that from her studies

NOTE Confidence: 0.9161093

00:46:32.452 --> 00:46:34.549 and what she's looked into.

NOTE Confidence: 0.9161093

00:46:34.550 --> 00:46:36.146 That it doesn't always that they.

NOTE Confidence: 0.9161093

00:46:36.150 --> 00:46:37.632 I mean some of these women

NOTE Confidence: 0.9161093

00:46:37.632 --> 00:46:39.360 have lost some of these women,

NOTE Confidence: 0.9161093

00:46:39.360 --> 00:46:40.690 even with the little extra

NOTE Confidence: 0.9161093

00:46:40.690 --> 00:46:42.290 testosterone that they were born with.

NOTE Confidence: 0.9161093

00:46:42.290 --> 00:46:43.892 Not doping hasn't had the impact

NOTE Confidence: 0.9161093

00:46:43.892 --> 00:46:45.486 that we think, but it is.

NOTE Confidence: 0.9161093

00:46:45.486 --> 00:46:46.534 It's ingrained we're trying

NOTE Confidence: 0.9161093

00:46:46.534 --> 00:46:47.899 to get away from that,
NOTE Confidence: 0.9161093

00:46:47.900 --> 00:46:51.190 but it's very ingrained in our system.
NOTE Confidence: 0.9161093

00:46:51.190 --> 00:46:51.650 Yes.
NOTE Confidence: 0.90532947

00:46:56.460 --> 00:46:59.210 So my question is basically about the
NOTE Confidence: 0.90532947

00:46:59.210 --> 00:47:01.176 size about the challenger industry.
NOTE Confidence: 0.90532947

00:47:01.176 --> 00:47:03.530 And do you think that it's
NOTE Confidence: 0.90532947

00:47:03.530 --> 00:47:05.500 grown over the past decade?
NOTE Confidence: 0.90532947

00:47:05.500 --> 00:47:07.654 And could this relate to perhaps
NOTE Confidence: 0.90532947

00:47:07.654 --> 00:47:09.543 like growing distrust of the
NOTE Confidence: 0.90532947

00:47:09.543 --> 00:47:11.493 medical institution or even people
NOTE Confidence: 0.90532947

00:47:11.493 --> 00:47:13.750 unable to afford health insurance?
NOTE Confidence: 0.90532947

00:47:13.750 --> 00:47:16.108 Do you think that these factors
NOTE Confidence: 0.90532947

00:47:16.108 --> 00:47:18.080 and potentially played a role?
NOTE Confidence: 0.93914634

00:47:19.360 --> 00:47:21.736 I think it's the people that have the money
NOTE Confidence: 0.93914634

00:47:21.736 --> 00:47:24.260 that can keep the charlatan businesses going.
NOTE Confidence: 0.93914634

00:47:24.260 --> 00:47:25.928 Those that can afford insurance and

NOTE Confidence: 0.93914634

00:47:25.928 --> 00:47:27.794 those that can afford medicine cannot

NOTE Confidence: 0.93914634

00:47:27.794 --> 00:47:29.460 afford these people, and they're

NOTE Confidence: 0.93914634

00:47:29.460 --> 00:47:31.595 not giving out their stuff for free.

NOTE Confidence: 0.93914634

00:47:31.600 --> 00:47:33.735 I think it's so easy to say,

NOTE Confidence: 0.93914634

00:47:33.740 --> 00:47:36.188 Oh my God, it's worse now than ever.

NOTE Confidence: 0.93914634

00:47:36.190 --> 00:47:38.809 But if you look back in history the 1920s

NOTE Confidence: 0.93914634

00:47:38.809 --> 00:47:41.389 they would say it's worse now than ever.

NOTE Confidence: 0.93914634

00:47:41.390 --> 00:47:42.614 Every generation you think

NOTE Confidence: 0.93914634

00:47:42.614 --> 00:47:44.144 it's worse now than ever.

NOTE Confidence: 0.93914634

00:47:44.150 --> 00:47:45.986 So I kinda think we have

NOTE Confidence: 0.93914634

00:47:45.986 --> 00:47:47.210 these pushes and pulls.

NOTE Confidence: 0.93914634

00:47:47.210 --> 00:47:49.002 and I do think when people are

NOTE Confidence: 0.93914634

00:47:49.002 --> 00:47:50.270 distrustful of the medical

NOTE Confidence: 0.93914634

00:47:50.270 --> 00:47:52.030 establishment for whatever reason.

NOTE Confidence: 0.93914634

00:47:52.030 --> 00:47:54.438 It drives people to seek help elsewhere.

NOTE Confidence: 0.93914634

00:47:54.440 --> 00:47:55.472 Is the testosterone
NOTE Confidence: 0.93914634
00:47:55.472 --> 00:47:56.848 industry booming right now?
NOTE Confidence: 0.93914634
00:47:56.850 --> 00:47:59.258 I mean, I got on the sub on
NOTE Confidence: 0.93914634
00:47:59.258 --> 00:48:00.630 the Metro-North yesterday,
NOTE Confidence: 0.93914634
00:48:00.630 --> 00:48:03.038 right to a poster that said like,
NOTE Confidence: 0.93914634
00:48:03.040 --> 00:48:05.784 are you feeling fatigued ahead of you know,
NOTE Confidence: 0.93914634
00:48:05.790 --> 00:48:06.476 all men?
NOTE Confidence: 0.93914634
00:48:06.476 --> 00:48:07.848 It didn't say this,
NOTE Confidence: 0.93914634
00:48:07.850 --> 00:48:10.346 but basically it was like all men over
NOTE Confidence: 0.93914634
00:48:10.346 --> 00:48:13.006 the age of 30 could use testosterone.
NOTE Confidence: 0.93914634
00:48:13.010 --> 00:48:14.042 Call this clinic.
NOTE Confidence: 0.93914634
00:48:14.042 --> 00:48:16.450 It's right near a Metro North Station,
NOTE Confidence: 0.93914634
00:48:16.450 --> 00:48:18.520 so that's a huge industry now.
NOTE Confidence: 0.93914634
00:48:18.520 --> 00:48:19.528 But we had.
NOTE Confidence: 0.93914634
00:48:19.528 --> 00:48:21.880 I think it might have been even
NOTE Confidence: 0.93914634
00:48:21.968 --> 00:48:23.768 more in the 1920s when.

NOTE Confidence: 0.93914634

00:48:23.770 --> 00:48:25.660 There is no one really clamping down,

NOTE Confidence: 0.93914634

00:48:25.660 --> 00:48:27.466 but I think it's oh there's always

NOTE Confidence: 0.93914634

00:48:27.466 --> 00:48:29.399 going to be someone out there to

NOTE Confidence: 0.93914634

00:48:29.399 --> 00:48:31.330 get that low lying fruit and see.

NOTE Confidence: 0.93914634

00:48:31.330 --> 00:48:31.926 Oh wait,

NOTE Confidence: 0.93914634

00:48:31.926 --> 00:48:33.714 we just learned that oxy Towson

NOTE Confidence: 0.93914634

00:48:33.714 --> 00:48:35.438 is something just social skills.

NOTE Confidence: 0.93914634

00:48:35.440 --> 00:48:37.636 I'll put that in a bottle and sell it.

NOTE Confidence: 0.93914634

00:48:37.640 --> 00:48:38.124 You know,

NOTE Confidence: 0.93914634

00:48:38.124 --> 00:48:39.334 there's always someone that's clever

NOTE Confidence: 0.90646887

00:48:39.340 --> 00:48:40.640 enough to figure out.

NOTE Confidence: 0.90646887

00:48:40.640 --> 00:48:42.590 One last question could have been

NOTE Confidence: 0.90646887

00:48:42.654 --> 00:48:44.370 very patient in the Blue Ann.

NOTE Confidence: 0.90646887

00:48:44.370 --> 00:48:45.805 Yeah, sorry, so I'm sorry we can

NOTE Confidence: 0.90646887

00:48:45.805 --> 00:48:47.490 get to the other hands, but yes.

NOTE Confidence: 0.5630459

00:48:49.160 --> 00:48:53.174 Hello. I had a question you might comment

NOTE Confidence: 0.5630459

00:48:53.174 --> 00:48:55.756 so its fashions in stated that we live in

NOTE Confidence: 0.5630459

00:48:55.756 --> 00:48:58.250 this post truth world where we may not

NOTE Confidence: 0.5630459

00:48:58.250 --> 00:49:00.248 value evidence and facts and rationales.

NOTE Confidence: 0.5630459

00:49:00.250 --> 00:49:02.282 We once did I wonder in your research

NOTE Confidence: 0.5630459

00:49:02.282 --> 00:49:03.910 of the evolution of American

NOTE Confidence: 0.5630459

00:49:03.910 --> 00:49:06.028 culture in the 1920s present day.

NOTE Confidence: 0.5630459

00:49:06.030 --> 00:49:08.319 You might comment on the evolution of

NOTE Confidence: 0.5630459

00:49:08.319 --> 00:49:10.869 the value of evidence and rationale.

NOTE Confidence: 0.5630459

00:49:10.870 --> 00:49:13.243 That looks like maybe even the world

NOTE Confidence: 0.5630459

00:49:13.243 --> 00:49:15.520 of social media and so forth. Yeah,

NOTE Confidence: 0.9373914

00:49:15.520 --> 00:49:18.152 I think the world of the Internet and

NOTE Confidence: 0.9373914

00:49:18.152 --> 00:49:20.328 social media has really changed it.

NOTE Confidence: 0.9373914

00:49:20.330 --> 00:49:22.370 Just because in terms of these

NOTE Confidence: 0.9373914

00:49:22.370 --> 00:49:24.440 new fads can just go viral.

NOTE Confidence: 0.9373914

00:49:24.440 --> 00:49:27.130 That's we call it, you know, much faster,

NOTE Confidence: 0.9373914

00:49:27.130 --> 00:49:29.650 and I think it's just hard to push

NOTE Confidence: 0.9373914

00:49:29.717 --> 00:49:32.328 back against testimony an I think yeah,

NOTE Confidence: 0.9373914

00:49:32.330 --> 00:49:33.710 it's always been there.

NOTE Confidence: 0.9373914

00:49:33.710 --> 00:49:36.154 But I don't think you could create

NOTE Confidence: 0.9373914

00:49:36.154 --> 00:49:38.586 that wave as quickly as you can now

NOTE Confidence: 0.9373914

00:49:38.586 --> 00:49:40.789 in terms of treatments and drugs

NOTE Confidence: 0.9373914

00:49:40.789 --> 00:49:43.276 that are thought to save your life.

NOTE Confidence: 0.9373914

00:49:43.276 --> 00:49:45.572 And as much as people say they

NOTE Confidence: 0.9373914

00:49:45.572 --> 00:49:47.382 don't believe it, they do.

NOTE Confidence: 0.9373914

00:49:47.382 --> 00:49:48.987 And that's the hard thing.

NOTE Confidence: 0.9373914

00:49:48.990 --> 00:49:49.950 What can we do?

NOTE Confidence: 0.9373914

00:49:49.950 --> 00:49:52.140 You know we can clamp down on doctors

NOTE Confidence: 0.9373914

00:49:52.140 --> 00:49:53.855 like my oxy Towson Salesperson.

NOTE Confidence: 0.9373914

00:49:53.860 --> 00:49:56.108 It's very hard to clamp down on people

NOTE Confidence: 0.9373914

00:49:56.108 --> 00:49:57.591 posting stuff or misconstruing a

NOTE Confidence: 0.9373914

00:49:57.591 --> 00:49:59.600 lot of it isn't just from nowhere,
NOTE Confidence: 0.9373914

00:49:59.600 --> 00:50:00.278 its people.
NOTE Confidence: 0.9373914

00:50:00.278 --> 00:50:01.973 Misconstruing What's in the media
NOTE Confidence: 0.9373914

00:50:01.973 --> 00:50:04.020 and then you know it's almost
NOTE Confidence: 0.9373914

00:50:04.020 --> 00:50:05.630 like the game of telephone,
NOTE Confidence: 0.9373914

00:50:05.630 --> 00:50:07.316 and we're constantly working against that.
NOTE Confidence: 0.9373914

00:50:07.320 --> 00:50:09.018 And again, it's freedom, the press.
NOTE Confidence: 0.9373914

00:50:09.020 --> 00:50:13.115 So how do you clamp down on all this?
NOTE Confidence: 0.9373914

00:50:13.120 --> 00:50:15.255 And I do think I think yeah,
NOTE Confidence: 0.9373914

00:50:15.260 --> 00:50:17.700 it gets back to basic cause and effect.
NOTE Confidence: 0.9373914

00:50:17.700 --> 00:50:18.001 Two.
NOTE Confidence: 0.9373914

00:50:18.001 --> 00:50:19.807 I mean the whole thing with
NOTE Confidence: 0.9373914

00:50:19.807 --> 00:50:21.658 vaccines or people were saying no,
NOTE Confidence: 0.9373914

00:50:21.660 --> 00:50:22.154 no no.
NOTE Confidence: 0.9373914

00:50:22.154 --> 00:50:24.130 My kid had a vaccine and then two
NOTE Confidence: 0.9373914

00:50:24.193 --> 00:50:26.539 years later was diagnosed with autism.

NOTE Confidence: 0.9373914

00:50:26.540 --> 00:50:28.370 There's a fact there's you know.

NOTE Confidence: 0.9373914

00:50:28.370 --> 00:50:30.351 So it's it's not just like these

NOTE Confidence: 0.9373914

00:50:30.351 --> 00:50:31.730 things that have nowhere.

NOTE Confidence: 0.9373914

00:50:31.730 --> 00:50:34.780 It's the way they see the data to or the

NOTE Confidence: 0.89849085

00:50:34.780 --> 00:50:36.914 measles isn't so bad for you, right?

NOTE Confidence: 0.89849085

00:50:36.914 --> 00:50:39.346 I want to end on an optimistic note.

NOTE Confidence: 0.89849085

00:50:39.350 --> 00:50:40.382 Hopefully the Randy.

NOTE Confidence: 0.89849085

00:50:40.382 --> 00:50:42.102 The first story that she

NOTE Confidence: 0.89849085

00:50:42.102 --> 00:50:43.608 shares in her book as.

NOTE Confidence: 0.89849085

00:50:43.610 --> 00:50:47.314 About a woman named Blanche Gray who had.

NOTE Confidence: 0.89849085

00:50:47.320 --> 00:50:49.810 The like horrific.

NOTE Confidence: 0.8248805

00:50:52.810 --> 00:50:55.006 Name, I guess is being the

NOTE Confidence: 0.8248805

00:50:55.006 --> 00:50:57.070 fat bride in the early.

NOTE Confidence: 0.8248805

00:50:57.070 --> 00:51:00.526 20th century and yet she says if she was

NOTE Confidence: 0.8248805

00:51:00.526 --> 00:51:04.324 born on the wrong side of medical discovery.

NOTE Confidence: 0.8248805

00:51:04.330 --> 00:51:06.226 That had she been born later,
NOTE Confidence: 0.8248805

00:51:06.230 --> 00:51:08.498 there would have been clear interventions to
NOTE Confidence: 0.8248805

00:51:08.498 --> 00:51:11.491 help kind of save her life, improve her life.
NOTE Confidence: 0.8248805

00:51:11.491 --> 00:51:14.200 Hopefully also she would have been born
NOTE Confidence: 0.8248805

00:51:14.273 --> 00:51:16.838 at a time when kind of bullying was not
NOTE Confidence: 0.8248805

00:51:16.838 --> 00:51:19.440 an acceptable form of communication.
NOTE Confidence: 0.8248805

00:51:19.440 --> 00:51:22.364 And so I want to ask Randy like what
NOTE Confidence: 0.8248805

00:51:22.364 --> 00:51:25.156 are we on the other side of now?
NOTE Confidence: 0.8248805

00:51:25.156 --> 00:51:27.980 Oh I think what do you think that in
NOTE Confidence: 0.8248805

00:51:27.980 --> 00:51:30.190 the study of hormones or otherwise?
NOTE Confidence: 0.8248805

00:51:30.190 --> 00:51:32.206 You know, for your crystal ball,
NOTE Confidence: 0.8248805

00:51:32.210 --> 00:51:33.554 what do you see?
NOTE Confidence: 0.8248805

00:51:33.554 --> 00:51:35.570 Kind of coming down the Pike.
NOTE Confidence: 0.8248805

00:51:35.570 --> 00:51:35.900 what
NOTE Confidence: 0.878542

00:51:35.900 --> 00:51:38.042 I think is really exciting now an
NOTE Confidence: 0.878542

00:51:38.042 --> 00:51:40.993 I sort of I can say to this yell

NOTE Confidence: 0.878542

00:51:40.993 --> 00:51:43.299 audience 'cause I start with Cushing.

NOTE Confidence: 0.878542

00:51:43.300 --> 00:51:45.712 Who is it? Yell and then I just spoke

NOTE Confidence: 0.878542

00:51:45.712 --> 00:51:48.340 to a wonderful researcher right here.

NOTE Confidence: 0.878542

00:51:48.340 --> 00:51:50.810 Sabrina Deano. Who's doing now?

NOTE Confidence: 0.878542

00:51:50.810 --> 00:51:52.585 Some of the cutting edge

NOTE Confidence: 0.878542

00:51:52.585 --> 00:51:53.650 neuroscience endocrine work?

NOTE Confidence: 0.878542

00:51:53.650 --> 00:51:55.827 I think what's really on the cutting

NOTE Confidence: 0.878542

00:51:55.827 --> 00:51:58.260 edge now is hormones and behavior.

NOTE Confidence: 0.878542

00:51:58.260 --> 00:52:00.040 So a few decades ago,

NOTE Confidence: 0.878542

00:52:00.040 --> 00:52:02.872 we realized that the fat cell isn't just

NOTE Confidence: 0.878542

00:52:02.872 --> 00:52:06.066 a glob of butter that I thought it was.

NOTE Confidence: 0.878542

00:52:06.070 --> 00:52:07.490 It's actually an endocrine

NOTE Confidence: 0.878542

00:52:07.490 --> 00:52:08.910 cell that secretes hormones.

NOTE Confidence: 0.878542

00:52:08.910 --> 00:52:11.283 But when we learned that leptin as

NOTE Confidence: 0.878542

00:52:11.283 --> 00:52:12.820 our appetite suppressing hormone,

NOTE Confidence: 0.878542

00:52:12.820 --> 00:52:14.264 you can't take it,
NOTE Confidence: 0.878542

00:52:14.264 --> 00:52:17.080 you're not going to lose weight from it.
NOTE Confidence: 0.878542

00:52:17.080 --> 00:52:19.190 But even though there are
NOTE Confidence: 0.878542

00:52:19.190 --> 00:52:21.300 leptin diet puts out there.
NOTE Confidence: 0.878542

00:52:21.300 --> 00:52:22.835 But what the fascinating part
NOTE Confidence: 0.878542

00:52:22.835 --> 00:52:24.784 isn't that people that have leptin
NOTE Confidence: 0.878542

00:52:24.784 --> 00:52:26.579 defects gain weight more quickly.
NOTE Confidence: 0.878542

00:52:26.580 --> 00:52:28.230 It doesn't affect their metabolism,
NOTE Confidence: 0.878542

00:52:28.230 --> 00:52:31.200 it drives them to eat their compelled to eat.
NOTE Confidence: 0.878542

00:52:31.200 --> 00:52:32.850 And people with leptin defects
NOTE Confidence: 0.878542

00:52:32.850 --> 00:52:34.500 that eat all the time.
NOTE Confidence: 0.878542

00:52:34.500 --> 00:52:36.810 It's not like they're enjoying their food,
NOTE Confidence: 0.878542

00:52:36.810 --> 00:52:37.958 it's just this compulsion.
NOTE Confidence: 0.878542

00:52:37.958 --> 00:52:40.134 So when I spoke to the scientists
NOTE Confidence: 0.878542

00:52:40.134 --> 00:52:42.089 that are doing that research,
NOTE Confidence: 0.878542

00:52:42.090 --> 00:52:43.740 or that isolated that gene

NOTE Confidence: 0.878542
00:52:43.740 --> 00:52:45.060 there feeling was there,
NOTE Confidence: 0.878542
00:52:45.060 --> 00:52:46.710 not just excited about what
NOTE Confidence: 0.878542
00:52:46.710 --> 00:52:48.360 can we learn about obesity?
NOTE Confidence: 0.878542
00:52:48.360 --> 00:52:50.010 But this is about behavior.
NOTE Confidence: 0.878542
00:52:50.010 --> 00:52:51.430 This is showing us.
NOTE Confidence: 0.878542
00:52:51.430 --> 00:52:53.560 That hormones are controlling our behavior,
NOTE Confidence: 0.878542
00:52:53.560 --> 00:52:55.260 not just growth and metabolism.
NOTE Confidence: 0.878542
00:52:55.260 --> 00:52:56.950 Can we control our behavior?
NOTE Confidence: 0.878542
00:52:56.950 --> 00:52:59.330 Thurmans do we understand the criminal mind?
NOTE Confidence: 0.878542
00:52:59.330 --> 00:52:59.673 No,
NOTE Confidence: 0.878542
00:52:59.673 --> 00:53:01.731 but I mentioned Sabrina Diano 'cause
NOTE Confidence: 0.878542
00:53:01.731 --> 00:53:03.730 she's doing fascinating work with leptin,
NOTE Confidence: 0.878542
00:53:03.730 --> 00:53:06.450 an looking at in the inside the cell,
NOTE Confidence: 0.878542
00:53:06.450 --> 00:53:07.428 not just receptors.
NOTE Confidence: 0.878542
00:53:07.428 --> 00:53:09.384 But I think we're really honing
NOTE Confidence: 0.878542

00:53:09.384 --> 00:53:11.849 in on the details of the cell
NOTE Confidence: 0.878542

00:53:11.849 --> 00:53:13.229 to really understand behavior.
NOTE Confidence: 0.878542

00:53:13.230 --> 00:53:14.582 We're not there yet.
NOTE Confidence: 0.878542

00:53:14.582 --> 00:53:16.272 And will we control it?
NOTE Confidence: 0.878542

00:53:16.280 --> 00:53:18.566 That's always that really weird question
NOTE Confidence: 0.878542

00:53:18.566 --> 00:53:21.359 of how much control do we want to have?
NOTE Confidence: 0.9077539

00:53:22.340 --> 00:53:24.160 So the more we know, I
NOTE Confidence: 0.9077539

00:53:24.160 --> 00:53:25.680 guess we're on the verge.
NOTE Confidence: 0.9077539

00:53:25.680 --> 00:53:26.836 We've got great technology
NOTE Confidence: 0.9077539

00:53:26.836 --> 00:53:28.570 and even though I make fun
NOTE Confidence: 0.9077539

00:53:28.629 --> 00:53:29.937 of some wacky scientist,
NOTE Confidence: 0.9077539

00:53:29.940 --> 00:53:31.156 there's some really wonderful
NOTE Confidence: 0.9077539

00:53:31.156 --> 00:53:32.676 ones on great research going
NOTE Confidence: 0.9077539

00:53:32.680 --> 00:53:34.808 on now. So since we are in
NOTE Confidence: 0.9077539

00:53:34.808 --> 00:53:35.720 an educational institution,
NOTE Confidence: 0.9077539

00:53:35.720 --> 00:53:37.855 hopefully kind of where in the presence

NOTE Confidence: 0.9077539

00:53:37.855 --> 00:53:39.664 of more wonderful than wacky scientists,

NOTE Confidence: 0.9077539

00:53:39.664 --> 00:53:41.378 although there and hopefully a little

NOTE Confidence: 0.9077539

00:53:41.378 --> 00:53:43.703 a little bit of wacky as you also show

NOTE Confidence: 0.9077539

00:53:43.703 --> 00:53:45.879 in terms of kind of being able to

NOTE Confidence: 0.9077539

00:53:45.879 --> 00:53:47.878 imagine the previously unimaginable,

NOTE Confidence: 0.9077539

00:53:47.880 --> 00:53:48.789 is also crucial.

NOTE Confidence: 0.9077539

00:53:48.789 --> 00:53:50.304 Part of driving us forward.

NOTE Confidence: 0.9077539

00:53:50.310 --> 00:53:52.650 I'm so thankful to Randy for.

NOTE Confidence: 0.9077539

00:53:52.650 --> 00:53:54.804 Her commitment to taking kind of

NOTE Confidence: 0.9077539

00:53:54.804 --> 00:53:56.240 conversations that often only

NOTE Confidence: 0.9077539

00:53:56.303 --> 00:53:57.893 happened in institutions like this

NOTE Confidence: 0.9077539

00:53:57.893 --> 00:54:00.420 kind of out into the broader public,

NOTE Confidence: 0.9077539

00:54:00.420 --> 00:54:02.884 because I think that kind of her

NOTE Confidence: 0.9077539

00:54:02.884 --> 00:54:04.649 another's ability to do that,

NOTE Confidence: 0.9077539

00:54:04.650 --> 00:54:07.338 is it a crucial part of trying to

NOTE Confidence: 0.9077539

00:54:07.338 --> 00:54:09.900 ameliorate the distrust that so many of

NOTE Confidence: 0.9077539

00:54:09.900 --> 00:54:12.420 you ask questions about and tried to?

NOTE Confidence: 0.9077539

00:54:12.420 --> 00:54:13.124 Once again,

NOTE Confidence: 0.9077539

00:54:13.124 --> 00:54:14.884 orientis around a shared fact,

NOTE Confidence: 0.9077539

00:54:14.890 --> 00:54:15.949 based which hopefully.

NOTE Confidence: 0.873519

00:54:18.060 --> 00:54:19.400 People who aren't as acquainted

NOTE Confidence: 0.873519

00:54:19.400 --> 00:54:21.250 with what a leptin is or isn't,

NOTE Confidence: 0.873519

00:54:21.250 --> 00:54:22.881 could still use to empower themselves to

NOTE Confidence: 0.873519

00:54:22.881 --> 00:54:24.709 make the best decisions for themselves,

NOTE Confidence: 0.873519

00:54:24.710 --> 00:54:25.754 their children, their futures,

NOTE Confidence: 0.873519

00:54:25.754 --> 00:54:26.798 because we're all better

NOTE Confidence: 0.873519

00:54:26.798 --> 00:54:27.900 off when that happens.

NOTE Confidence: 0.873519

00:54:27.900 --> 00:54:29.755 So Randy, just thank you so much.

NOTE Confidence: 0.873519

00:54:29.760 --> 00:54:31.625 Thank you and I thank you for

NOTE Confidence: 0.873519

00:54:31.625 --> 00:54:32.960 hosting us today. Thank you.