WEBVTT

NOTE duration:"01:10:16.6810000"

NOTE language:en-us

NOTE Confidence: 0.9678042

00:00:00.000 --> 00:00:01.785 Bruce Mcgibbon I'm a radiation

NOTE Confidence: 0.9678042

00:00:01.785 --> 00:00:02.856 oncologist for Yale.

NOTE Confidence: 0.9678042

00:00:02.860 --> 00:00:04.852 The smile of Greenwich site and

NOTE Confidence: 0.9678042

00:00:04.852 --> 00:00:07.222 very happy that we can join us

NOTE Confidence: 0.9678042

00:00:07.222 --> 00:00:09.172 tonight for these great talks on

NOTE Confidence: 0.9678042

00:00:09.172 --> 00:00:11.493 skin cancer or joined tonight by

NOTE Confidence: 0.9678042

00:00:11.493 --> 00:00:15.090 Doctor Connors and Doctor Khan and.

NOTE Confidence: 0.9678042

00:00:15.090 --> 00:00:16.725 Uh, everyone will introduce themselves

NOTE Confidence: 0.9678042

00:00:16.725 --> 00:00:19.549 and at the end will be able to do a Q&A.

NOTE Confidence: 0.9678042

00:00:19.550 --> 00:00:20.950 If you have any questions,

NOTE Confidence: 0.9678042

00:00:20.950 --> 00:00:23.126 feel free to type them into the chat

NOTE Confidence: 0.9678042

00:00:23.126 --> 00:00:25.127 and that will address in the PM.

NOTE Confidence: 0.9678042

00:00:25.130 --> 00:00:26.810 So first up is Doctor Connors.

NOTE Confidence: 0.967743

00:00:30.680 --> 00:00:33.080 Hello hello I'm doctor Richard Connors.

1

NOTE Confidence: 0.967743

00:00:33.080 --> 00:00:35.080 I'm a dermatologist in Greenwich.

NOTE Confidence: 0.967743

00:00:35.080 --> 00:00:37.922 I did my training at my basic

NOTE Confidence: 0.967743

00:00:37.922 --> 00:00:39.991 dermatology training at New York

NOTE Confidence: 0.967743

00:00:39.991 --> 00:00:42.672 Hospital and Cornell and then I did.

NOTE Confidence: 0.967743

00:00:42.680 --> 00:00:45.669 Did a years fellowship at the NYU

NOTE Confidence: 0.967743

00:00:45.669 --> 00:00:48.290 Medical Center in Skin pathology.

NOTE Confidence: 0.967743

00:00:48.290 --> 00:00:52.052 I am certified in both general

NOTE Confidence: 0.967743

00:00:52.052 --> 00:00:53.933 dermatology and dermatopathology.

NOTE Confidence: 0.967743

00:00:53.940 --> 00:00:56.250 I have practiced in this area for

NOTE Confidence: 0.967743

00:00:56.250 --> 00:00:59.001 I'm amazed to say for 44 years I did

NOTE Confidence: 0.967743

00:00:59.001 --> 00:01:01.673 two years with my one of my teachers

NOTE Confidence: 0.967743

00:01:01.673 --> 00:01:03.663 from New York Hospital, Stanford,

NOTE Confidence: 0.967743

00:01:03.663 --> 00:01:07.767 and I've been in Greenwich for 42 years.

NOTE Confidence: 0.967743

00:01:07.770 --> 00:01:10.090 I'm not as old as you might think.

NOTE Confidence: 0.967743

00:01:10.090 --> 00:01:12.290 I kid people and say it was a

NOTE Confidence: 0.967743

00:01:12.290 --> 00:01:14.115 child prodigy and I I graduated

NOTE Confidence: 0.967743

00:01:14.115 --> 00:01:16.180 from medical school at age 12 so,

NOTE Confidence: 0.967743

00:01:16.180 --> 00:01:17.630 but I've been doing dermatology

NOTE Confidence: 0.967743

00:01:17.630 --> 00:01:19.728 for a long time, here and.

NOTE Confidence: 0.967743

00:01:19.728 --> 00:01:23.011 Uh, it's highly relevant that we should

NOTE Confidence: 0.967743

00:01:23.011 --> 00:01:26.090 talk about skin cancer nationwide.

NOTE Confidence: 0.967743

00:01:26.090 --> 00:01:27.782 It certainly is.

NOTE Confidence: 0.967743

00:01:27.782 --> 00:01:28.346 Prevalent,

NOTE Confidence: 0.967743

00:01:28.346 --> 00:01:30.038 it's more common.

NOTE Confidence: 0.967743

00:01:30.040 --> 00:01:31.812 It's more numerous than

NOTE Confidence: 0.967743

00:01:31.812 --> 00:01:33.584 all other cancers combined,

NOTE Confidence: 0.967743

00:01:33.590 --> 00:01:35.810 but I think that's especially

NOTE Confidence: 0.967743

00:01:35.810 --> 00:01:38.030 true for this particular area.

NOTE Confidence: 0.9813692

00:01:40.070 --> 00:01:42.145 I talk occasionally to the

NOTE Confidence: 0.9813692

00:01:42.145 --> 00:01:43.805 Greenwich Retired Men's Association.

NOTE Confidence: 0.9813692

00:01:43.810 --> 00:01:46.708 I lasted at about five years ago.

NOTE Confidence: 0.9813692

00:01:46.710 --> 00:01:48.640 I consulted the Connecticut Tumor

NOTE Confidence: 0.9813692

00:01:48.640 --> 00:01:51.527 registry to see what the incidents the

NOTE Confidence: 0.9813692

00:01:51.527 --> 00:01:54.173 year before Melanoma and Greenwich was,

NOTE Confidence: 0.9813692

00:01:54.180 --> 00:01:56.868 it was remarkably higher than it was

NOTE Confidence: 0.9813692

00:01:56.868 --> 00:01:59.990 that at that same time in Queensland,

NOTE Confidence: 0.9813692

00:01:59.990 --> 00:02:02.385 Australia, which has the highest

NOTE Confidence: 0.9813692

00:02:02.385 --> 00:02:05.340 incidence of Melanoma in the world.

NOTE Confidence: 0.9813692

00:02:05.340 --> 00:02:08.428 So most Melanoma, I mean most skin cancer,

NOTE Confidence: 0.9813692

00:02:08.430 --> 00:02:09.840 are not Melanoma.

NOTE Confidence: 0.9813692

00:02:09.840 --> 00:02:11.720 Most are easily treated.

NOTE Confidence: 0.9813692

00:02:11.720 --> 00:02:13.880 But there's important to find them

NOTE Confidence: 0.9813692

00:02:13.880 --> 00:02:16.329 and treat them early and prevent as

NOTE Confidence: 0.9813692

00:02:16.329 --> 00:02:18.527 much damage by them as you can't.

NOTE Confidence: 0.9813692

00:02:18.530 --> 00:02:20.826 The question becomes who gets skin cancer.

NOTE Confidence: 0.9813692

00:02:20.830 --> 00:02:23.410 While anyone can get skin cancer.

NOTE Confidence: 0.9813692

00:02:23.410 --> 00:02:27.530 But the most likely candidate is a fair

NOTE Confidence: 0.9813692

00:02:27.530 --> 00:02:30.668 skinned person who sunburns readily.

NOTE Confidence: 0.9813692

00:02:30.670 --> 00:02:32.410 OK, the more.

NOTE Confidence: 0.9813692

00:02:32.410 --> 00:02:34.150 Easily you sunburn,

NOTE Confidence: 0.9813692

00:02:34.150 --> 00:02:37.507 the more apt you are to develop skin cancer,

NOTE Confidence: 0.9813692

00:02:37.510 --> 00:02:40.121 so will will will run a series

NOTE Confidence: 0.9813692

00:02:40.121 --> 00:02:41.240 of slides here.

NOTE Confidence: 0.9813692

00:02:41.240 --> 00:02:43.466 This repeats what I've just said.

NOTE Confidence: 0.97336024

00:02:46.380 --> 00:02:49.330 And again, it's a very very common

NOTE Confidence: 0.97336024

00:02:49.330 --> 00:02:51.440 cancer that fair skinned individual,

NOTE Confidence: 0.97336024

00:02:51.440 --> 00:02:54.268 the blonde, the redhead people with lots

NOTE Confidence: 0.97336024

00:02:54.268 --> 00:02:57.768 of moles are more apt to develop Melanoma.

NOTE Confidence: 0.97336024

00:02:57.770 --> 00:02:59.880 People with unusual shaped or

NOTE Confidence: 0.97336024

00:02:59.880 --> 00:03:01.990 darker moles may develop Melanoma.

NOTE Confidence: 0.97336024

00:03:01.990 --> 00:03:04.944 In addition, people with a family history

NOTE Confidence: 0.97336024

00:03:04.944 --> 00:03:08.320 of skin cancer are certainly more at risk.

00:03:08.320 --> 00:03:11.274 Those people have had lots of sun,

00:03:11.280 --> 00:03:12.122 blistering, sunburns.

00:03:12.122 --> 00:03:14.648 People have been to tanning beds.

00:03:14.650 --> 00:03:16.778 Too much immunosuppressed people.

00:03:16.778 --> 00:03:19.926 Uh, people with blood malignancies or so,

00:03:19.930 --> 00:03:21.238 especially organ transplants,

00:03:21.238 --> 00:03:23.854 are very prone to skin cancer,

00:03:23.860 --> 00:03:26.765 so it's a wide ranging problem in

00:03:26.765 --> 00:03:29.812 a wide ranging population who are

00:03:29.812 --> 00:03:33.670 exposed to that likelihood. Ah.

00:03:33.670 --> 00:03:36.166 Again, when detected early as we say here,

00:03:36.170 --> 00:03:38.102 it's very, very treatable.

00:03:38.102 --> 00:03:41.000 The general advice is an old

00:03:41.094 --> 00:03:43.378 skin spot that's changing,

00:03:43.380 --> 00:03:46.950 particularly in size, color, shape.

00:03:46.950 --> 00:03:49.182 Or elevation or a new spot on the

NOTE Confidence: 0.97336024

00:03:49.182 --> 00:03:51.050 skin that's growing perceptibly.

NOTE Confidence: 0.97336024

00:03:51.050 --> 00:03:53.786 Those are the warning signs of skin cancer,

NOTE Confidence: 0.97336024

00:03:53.790 --> 00:03:56.526 or in a unique aspect of skin cancer,

NOTE Confidence: 0.97336024

00:03:56.530 --> 00:03:57.212 of course,

NOTE Confidence: 0.97336024

00:03:57.212 --> 00:03:58.917 is unlike any other cancer.

NOTE Confidence: 0.97336024

00:03:58.920 --> 00:03:59.931 It's readily available.

NOTE Confidence: 0.97336024

00:03:59.931 --> 00:04:02.680 It's on the skin that can be seen.

NOTE Confidence: 0.97336024

00:04:02.680 --> 00:04:04.036 It can be palpated,

NOTE Confidence: 0.97336024

00:04:04.036 --> 00:04:07.130 so people on their own do well as well.

NOTE Confidence: 0.97336024

00:04:07.130 --> 00:04:10.883 Touch on later to do their own skin exam.

NOTE Confidence: 0.97336024

00:04:10.890 --> 00:04:13.878 The ultimate diagnosis procedure

NOTE Confidence: 0.97336024

00:04:13.878 --> 00:04:19.400 for skin cancer is a skin biopsy.

NOTE Confidence: 0.97336024

00:04:19.400 --> 00:04:22.298 Now we call it skin cancer,

NOTE Confidence: 0.97336024

00:04:22.300 --> 00:04:24.232 but it's it's overwhelmingly

NOTE Confidence: 0.97336024

00:04:24.232 --> 00:04:25.198 epidermal cancer.

NOTE Confidence: 0.97336024

00:04:25.200 --> 00:04:28.278 The epidermis remember from high school

NOTE Confidence: 0.97336024

00:04:28.278 --> 00:04:31.960 biology is the outer layer of the skin,

NOTE Confidence: 0.97336024

00:04:31.960 --> 00:04:35.047 and that's the interface with the world

NOTE Confidence: 0.97336024

00:04:35.047 --> 00:04:38.240 and it's the epidermis that's hit,

NOTE Confidence: 0.97336024

00:04:38.240 --> 00:04:40.168 particularly by the ultraviolet

NOTE Confidence: 0.97336024

00:04:40.168 --> 00:04:42.578 segment of the the sun.

NOTE Confidence: 0.97336024

00:04:42.580 --> 00:04:45.478 And that's what dismantles or disrupts.

NOTE Confidence: 0.97336024

00:04:45.480 --> 00:04:46.027 Rather,

NOTE Confidence: 0.97336024

00:04:46.027 --> 00:04:48.762 the DNA of these rapidly

NOTE Confidence: 0.97336024

00:04:48.762 --> 00:04:50.403 producing epidermal cells.

NOTE Confidence: 0.97336024

00:04:50.410 --> 00:04:52.734 So the lowest layer of the epidermis

NOTE Confidence: 0.97336024

00:04:52.734 --> 00:04:54.210 is the basil layer.

NOTE Confidence: 0.97336024

00:04:54.210 --> 00:04:56.406 The middle layers of squamous melanocyte

NOTE Confidence: 0.97336024

00:04:56.406 --> 00:04:58.875 which resides in the basal layer is

NOTE Confidence: 0.97336024

00:04:58.875 --> 00:05:00.753 those are the main skin cancers.

NOTE Confidence: 0.97336024

00:05:00.760 --> 00:05:03.520 There's a much less common one called Burt

NOTE Confidence: 0.97336024

00:05:03.520 --> 00:05:05.937 Merkel cell which will touch on later.

NOTE Confidence: 0.9893437

00:05:08.490 --> 00:05:11.916 An aspect of skin cancer clinically

NOTE Confidence: 0.9893437

00:05:11.916 --> 00:05:15.050 is that there's no single,

NOTE Confidence: 0.9893437

00:05:15.050 --> 00:05:17.086 predictable presentation.

NOTE Confidence: 0.9893437

00:05:17.086 --> 00:05:20.140 Basal squamous Melanoma.

NOTE Confidence: 0.9893437

00:05:20.140 --> 00:05:22.340 Each has its own variety.

NOTE Confidence: 0.9893437

00:05:22.340 --> 00:05:24.568 Each could have a

NOTE Confidence: 0.9893437

00:05:24.568 --> 00:05:26.239 multiplicity of presentation.

NOTE Confidence: 0.9893437

00:05:26.240 --> 00:05:28.320 Basil cell in particular.

NOTE Confidence: 0.9893437

00:05:28.320 --> 00:05:28.840 Prototypically,

NOTE Confidence: 0.9893437

00:05:28.840 --> 00:05:31.367 it's an elevated spot on the skin

NOTE Confidence: 0.9893437

00:05:31.367 --> 00:05:33.778 that that cross or bleeds easily,

NOTE Confidence: 0.9893437

00:05:33.780 --> 00:05:35.680 but sometimes it's just a

NOTE Confidence: 0.9893437

00:05:35.680 --> 00:05:37.580 whitish spot on the skin.

NOTE Confidence: 0.9893437

00:05:37.580 --> 00:05:39.470 Sometimes it's simply an innocuous

NOTE Confidence: 0.9893437

00:05:39.470 --> 00:05:41.760 looking red spot on the skin.

NOTE Confidence: 0.9893437

00:05:41.760 --> 00:05:43.640 Sometimes Basil cell is even

NOTE Confidence: 0.9893437

00:05:43.640 --> 00:05:47.660 pigmented and looks like a mole, so.

NOTE Confidence: 0.9893437

00:05:47.660 --> 00:05:50.270 One has to understand the multiplicity

NOTE Confidence: 0.9893437

00:05:50.270 --> 00:05:52.752 of pleasant presentations, squamous cell,

NOTE Confidence: 0.9893437

00:05:52.752 --> 00:05:56.268 a second most common skin cancer.

NOTE Confidence: 0.9893437

00:05:56.270 --> 00:05:59.476 Often presents as just a skin colored

NOTE Confidence: 0.9893437

00:05:59.476 --> 00:06:02.146 thickening or nodule on the skin

NOTE Confidence: 0.9893437

00:06:02.146 --> 00:06:04.570 that may present and grow rapidly.

NOTE Confidence: 0.9893437

00:06:04.570 --> 00:06:09.066 It may seem almost like an inflamed cyst.

NOTE Confidence: 0.9893437

00:06:09.070 --> 00:06:09.838 Other times,

NOTE Confidence: 0.9893437

00:06:09.838 --> 00:06:11.374 it's independent girls slowly

NOTE Confidence: 0.9893437

00:06:11.374 --> 00:06:12.526 like basil cell.

NOTE Confidence: 0.9893437

00:06:12.530 --> 00:06:15.204 It may ulcerate and crust and scab.

NOTE Confidence: 0.9897344

00:06:17.760 --> 00:06:20.700 And but it does grow all

NOTE Confidence: 0.9897344

00:06:20.700 --> 00:06:22.660 of these things malignant,

NOTE Confidence: 0.9897344

00:06:22.660 --> 00:06:25.600 and their ascential feature is growth,

NOTE Confidence: 0.9897344

00:06:25.600 --> 00:06:26.580 uninhibited growth.

NOTE Confidence: 0.9897344

00:06:26.580 --> 00:06:29.030 So untreated they get bigger,

NOTE Confidence: 0.9897344

00:06:29.030 --> 00:06:30.293 they get deeper.

NOTE Confidence: 0.9897344

00:06:30.293 --> 00:06:34.479 Now the last of the most common skin cancers,

NOTE Confidence: 0.9897344

00:06:34.480 --> 00:06:36.748 of course, is the most worrisome.

NOTE Confidence: 0.9897344

00:06:36.750 --> 00:06:39.018 I see literally 100 basil and

NOTE Confidence: 0.9897344

00:06:39.018 --> 00:06:40.530 squamous for one Melanoma.

NOTE Confidence: 0.9897344

00:06:40.530 --> 00:06:43.176 I keep track of all my biopsy,

NOTE Confidence: 0.9897344

00:06:43.180 --> 00:06:45.819 and if arbitrarily I go through them,

NOTE Confidence: 0.9897344

00:06:45.820 --> 00:06:48.256 pick a hundred consecutive skin cancer

NOTE Confidence: 0.9897344

00:06:48.256 --> 00:06:51.109 positive biopsy 75 to 80 will be basil.

NOTE Confidence: 0.9897344

00:06:51.110 --> 00:06:53.000 That's how dominant and incidents

NOTE Confidence: 0.9897344

00:06:53.000 --> 00:06:56.024 basil is 20 to 25% will be squamous

NOTE Confidence: 0.9897344

00:06:56.024 --> 00:06:59.106 cell 1 to 2% will be Melanoma,

NOTE Confidence: 0.9897344

00:06:59.106 --> 00:07:01.194 so much less common.

NOTE Confidence: 0.9897344

00:07:01.200 --> 00:07:03.759 And certainly potentially.

NOTE Confidence: 0.9897344

00:07:03.760 --> 00:07:04.909 Very serious, however,

NOTE Confidence: 0.9897344

00:07:04.909 --> 00:07:08.020 even Melanoma is a from many of them.

NOTE Confidence: 0.9897344

00:07:08.020 --> 00:07:10.228 There's a period where they're just

NOTE Confidence: 0.9897344

00:07:10.228 --> 00:07:12.659 on the surface and very curable,

NOTE Confidence: 0.9897344

00:07:12.660 --> 00:07:14.590 and that's why you're looking

NOTE Confidence: 0.9897344

00:07:14.590 --> 00:07:16.134 at your own skin.

NOTE Confidence: 0.9897344

00:07:16.140 --> 00:07:19.542 Having a skin doctor look at you

NOTE Confidence: 0.9897344

00:07:19.542 --> 00:07:20.514 periodically is.

NOTE Confidence: 0.9897344

00:07:20.520 --> 00:07:23.380 It's desirable.

NOTE Confidence: 0.9897344

00:07:23.380 --> 00:07:24.362 With Melanoma,

NOTE Confidence: 0.9897344

00:07:24.362 --> 00:07:28.290 there's been a mnemonic we've used for years,

NOTE Confidence: 0.9897344

00:07:28.290 --> 00:07:31.236 ABC, DE to highlight the differences

NOTE Confidence: 0.9897344

00:07:31.236 --> 00:07:33.200 clinically between your typical

NOTE Confidence: 0.9897344

00:07:33.280 --> 00:07:35.160 mold and typical Melanoma,

NOTE Confidence: 0.9897344

00:07:35.160 --> 00:07:38.597 your typical mole is hardly as a

NOTE Confidence: 0.9897344

00:07:38.597 --> 00:07:41.866 regular border, pretty uniform color,

NOTE Confidence: 0.9897344

00:07:41.866 --> 00:07:43.390 pretty symmetrical.

NOTE Confidence: 0.9897344

00:07:43.390 --> 00:07:47.038 In its division 1/2 like the other half.

NOTE Confidence: 0.9897344

00:07:47.040 --> 00:07:48.519 Melanoma is up.

NOTE Confidence: 0.9897344

00:07:48.519 --> 00:07:51.477 Typically are often at least disorderly,

NOTE Confidence: 0.9897344

00:07:51.480 --> 00:07:54.288 and we have this ABCDE mnemonic.

NOTE Confidence: 0.9897344

00:07:54.290 --> 00:07:58.026 A is asymmetry 1/2 of the spot different,

NOTE Confidence: 0.9897344

00:07:58.030 --> 00:08:01.766 as here from the other half of this,

NOTE Confidence: 0.9897344

00:08:01.770 --> 00:08:05.550 but by its color by its shape I had

NOTE Confidence: 0.9897344

00:08:05.550 --> 00:08:08.796 size the border again, mole smooth,

NOTE Confidence: 0.9897344

00:08:08.796 --> 00:08:10.668 regular, often with Melanoma,

NOTE Confidence: 0.9897344

00:08:10.670 --> 00:08:13.246 a notched, the irregular.

NOTE Confidence: 0.9897344

00:08:13.246 --> 00:08:15.669 Uh, the colored ABC?

NOTE Confidence: 0.9897344

00:08:15.669 --> 00:08:19.227 The color in melanomas is often.

NOTE Confidence: 0.9897344

00:08:19.230 --> 00:08:22.140 Irregular, varied, I should say brown,

NOTE Confidence: 0.9897344

00:08:22.140 --> 00:08:23.685 grey, white, black.

NOTE Confidence: 0.9897344

00:08:23.685 --> 00:08:26.260 We're usually moles are pretty

NOTE Confidence: 0.9897344

00:08:26.260 --> 00:08:28.301 uniform in color. D.

NOTE Confidence: 0.9897344

00:08:28.301 --> 00:08:30.767 The next criterion is the diameter.

NOTE Confidence: 0.9897344

00:08:30.770 --> 00:08:32.830 It's it's not a very.

NOTE Confidence: 0.98641294

00:08:35.280 --> 00:08:36.790 It's not a universal one,

NOTE Confidence: 0.98641294

00:08:36.790 --> 00:08:38.904 but you usual Melanoma by the time

NOTE Confidence: 0.98641294

00:08:38.904 --> 00:08:40.718 it's diagnosable, at least is at

NOTE Confidence: 0.98641294

00:08:40.718 --> 00:08:42.228 least 6 millimeters in diameter,

NOTE Confidence: 0.98641294

00:08:42.230 --> 00:08:44.652 which is about the width of the

NOTE Confidence: 0.98641294

00:08:44.652 --> 00:08:47.050 eraser and the head of a pencil.

NOTE Confidence: 0.98641294

00:08:47.050 --> 00:08:49.325 Benign things can be with that wide.

NOTE Confidence: 0.98641294

00:08:49.330 --> 00:08:50.630 Some melanomas, of course,

NOTE Confidence: 0.98641294

00:08:50.630 --> 00:08:52.580 are smaller, but it's the bigger

NOTE Confidence: 0.98641294

00:08:52.580 --> 00:08:53.880 the brown pigmented lesion,

NOTE Confidence: 0.98641294

00:08:53.880 --> 00:08:56.480 the more you should pay heed to it.

NOTE Confidence: 0.98641294

00:08:56.480 --> 00:08:58.748 The last of the mnemonic is easy,

NOTE Confidence: 0.98641294

00:08:58.750 --> 00:09:01.618 meaning evolving or changing.

NOTE Confidence: 0.98641294

00:09:01.620 --> 00:09:04.750 Melanoma is at least 80% begin his Melanoma.

NOTE Confidence: 0.98641294

00:09:04.750 --> 00:09:07.090 Most don't begin from antecedent mold.

NOTE Confidence: 0.98641294

00:09:07.090 --> 00:09:10.194 Early on, they look like a mole is

NOTE Confidence: 0.98641294

00:09:10.194 --> 00:09:12.732 small there doc, but they slowly,

NOTE Confidence: 0.98641294

00:09:12.732 --> 00:09:15.396 steadily spread out like an oil

NOTE Confidence: 0.98641294

00:09:15.396 --> 00:09:17.645 spill and end up with a uh,

NOTE Confidence: 0.98641294

00:09:17.650 --> 00:09:20.387 with much more than they began with.

NOTE Confidence: 0.98641294

00:09:20.390 --> 00:09:23.118 So, ABC DERA good guide as to how

NOTE Confidence: 0.98641294

00:09:23.118 --> 00:09:25.468 to evaluate pigmented skin spots.

NOTE Confidence: 0.98952127

00:09:27.510 --> 00:09:31.670 The 4th. Skin cancer considerably less

NOTE Confidence: 0.98952127

00:09:31.670 --> 00:09:34.720 common than the other four are free,

NOTE Confidence: 0.98952127

00:09:34.720 --> 00:09:37.632 but getting more and more common as

NOTE Confidence: 0.98952127

00:09:37.632 --> 00:09:39.852 Merkel cell carcinoma which originates

NOTE Confidence: 0.98952127

00:09:39.852 --> 00:09:42.974 actually in the dermis of Merkel cell,

NOTE Confidence: 0.98952127

00:09:42.980 --> 00:09:45.848 is an oral endocrine cell involved

NOTE Confidence: 0.98952127

00:09:45.848 --> 00:09:48.850 in the transmission of light touch.

NOTE Confidence: 0.98952127

00:09:48.850 --> 00:09:50.630 In the typical Merkel cell,

NOTE Confidence: 0.98952127

00:09:50.630 --> 00:09:52.400 cancer is on the sun,

NOTE Confidence: 0.98952127

00:09:52.400 --> 00:09:54.530 damaged skin of a senior citizen,

NOTE Confidence: 0.98952127

00:09:54.530 --> 00:09:55.950 Caucasian, often a man.

NOTE Confidence: 0.98952127

00:09:55.950 --> 00:09:58.080 But women certainly could get it,

NOTE Confidence: 0.98952127

00:09:58.080 --> 00:09:59.508 but it grows rapidly.

NOTE Confidence: 0.98952127

00:09:59.508 --> 00:10:01.293 It's a typically a bright

NOTE Confidence: 0.98952127

00:10:01.293 --> 00:10:03.048 red or dark red nodule.

NOTE Confidence: 0.98952127

00:10:03.050 --> 00:10:05.078 It comes up quickly and is

NOTE Confidence: 0.98952127

00:10:05.078 --> 00:10:07.670 in a matter of days or weeks.

NOTE Confidence: 0.98952127

00:10:07.670 --> 00:10:09.275 It's getting bigger and that

NOTE Confidence: 0.98952127

00:10:09.275 --> 00:10:11.357 should get you right to either

NOTE Confidence: 0.98952127

00:10:11.357 --> 00:10:12.989 a doctor or dermatologist.

NOTE Confidence: 0.98952127

00:10:12.990 --> 00:10:14.765 Again, that's much less common

NOTE Confidence: 0.98952127

00:10:14.765 --> 00:10:16.185 than the other three,

NOTE Confidence: 0.98952127

00:10:16.190 --> 00:10:16.900 but important.

NOTE Confidence: 0.9877052

00:10:19.210 --> 00:10:21.989 What what can you do to limit

NOTE Confidence: 0.9877052

00:10:21.989 --> 00:10:25.218 damage that a skin cancer might do?

NOTE Confidence: 0.9877052

00:10:25.220 --> 00:10:27.820 Again, your own skin exam self exam will

NOTE Confidence: 0.9877052

00:10:27.820 --> 00:10:30.889 get to that more particularly after this,

NOTE Confidence: 0.9877052

00:10:30.890 --> 00:10:33.529 but I think going to a dermatologist

NOTE Confidence: 0.9877052

00:10:33.529 --> 00:10:37.240 once a year for a skin exam is an

NOTE Confidence: 0.9877052

00:10:37.240 --> 00:10:39.700 inexpensive bit of preventative medicine.

NOTE Confidence: 0.9877052

00:10:39.700 --> 00:10:42.301 But on your own, if you see something that

NOTE Confidence: 0.9877052

00:10:42.301 --> 00:10:44.232 seems different, growing itch bleeding.

NOTE Confidence: 0.9877052

00:10:44.232 --> 00:10:46.500 I have a sister-in-law giving an anecdote,

NOTE Confidence: 0.9877052

00:10:46.500 --> 00:10:49.101 but I was a first year resident at New

NOTE Confidence: 0.9877052

00:10:49.101 --> 00:10:51.570 York Hospital. It was Christmas time.

NOTE Confidence: 0.9877052

00:10:51.570 --> 00:10:54.232 She presented me with a mole on

NOTE Confidence: 0.9877052

00:10:54.232 --> 00:10:56.248 her right arm that was itchy.

NOTE Confidence: 0.9877052

00:10:56.250 --> 00:10:58.380 And I knew that wasn't good.

NOTE Confidence: 0.9877052

00:10:58.380 --> 00:11:00.865 I was still young in my career,

NOTE Confidence: 0.9877052

00:11:00.870 --> 00:11:04.029 but I said get that thing off and it

NOTE Confidence: 0.9877052

00:11:04.029 --> 00:11:07.255 turned out to be a Melanoma. So it's not.

NOTE Confidence: 0.9877052

00:11:07.255 --> 00:11:09.740 It's an uncommon presentation of skin cancer,

NOTE Confidence: 0.9877052

00:11:09.740 --> 00:11:11.520 but it it can be.

NOTE Confidence: 0.9877052

00:11:11.520 --> 00:11:13.650 So you should protect your skin.

NOTE Confidence: 0.9877052

00:11:13.650 --> 00:11:15.066 Try not to sunburn.

NOTE Confidence: 0.9877052

00:11:15.066 --> 00:11:18.975 Most of all, I never say no son, I say no.

NOTE Confidence: 0.9877052

00:11:18.975 --> 00:11:21.460 Sun Burns a little bit of sun,

NOTE Confidence: 0.9877052

00:11:21.460 --> 00:11:23.590 particularly if you're darker in color.

NOTE Confidence: 0.9877052

00:11:23.590 --> 00:11:25.720 I I I can't object to,

NOTE Confidence: 0.9877052

00:11:25.720 --> 00:11:27.850 there are good things about sun,

NOTE Confidence: 0.9877052

00:11:27.850 --> 00:11:28.993 particularly vitamin D.

NOTE Confidence: 0.9877052

00:11:28.993 --> 00:11:31.279 There are no good things about

NOTE Confidence: 0.9877052

00:11:31.279 --> 00:11:32.160 tanning booths.

NOTE Confidence: 0.9877052

00:11:32.160 --> 00:11:33.240 They are awful.

NOTE Confidence: 0.9877052

00:11:33.240 --> 00:11:35.400 They should be renamed wrinkle machines.

NOTE Confidence: 0.9877052

00:11:35.400 --> 00:11:37.560 They not only increase skin cancer,

NOTE Confidence: 0.9877052

00:11:37.560 --> 00:11:38.640 particularly young women,

NOTE Confidence: 0.9877052

00:11:38.640 --> 00:11:41.160 but they age the skin very quickly.

NOTE Confidence: 0.9875141

00:11:43.250 --> 00:11:45.698 So here's a guide to skin self exam from

NOTE Confidence: 0.9875141

00:11:45.698 --> 00:11:48.018 the American Academy of Dermatology.

NOTE Confidence: 0.9875141

00:11:48.020 --> 00:11:50.407 I think we have a skin cancer.

NOTE Confidence: 0.9875141

00:11:50.410 --> 00:11:52.903 It just on your own and will will be

NOTE Confidence: 0.9875141

00:11:52.903 --> 00:11:55.583 able to send you if you want these from

NOTE Confidence: 0.9875141

00:11:55.583 --> 00:11:58.040 the both the Academy of Dermatology

NOTE Confidence: 0.9875141

00:11:58.040 --> 00:12:00.295 and the Skin Champion Foundation.

NOTE Confidence: 0.9875141

00:12:00.300 --> 00:12:02.596 This sort of a guy but you

NOTE Confidence: 0.9875141

00:12:02.596 --> 00:12:04.390 can examine on your own.

NOTE Confidence: 0.9875141

00:12:04.390 --> 00:12:06.868 I urge people once a month

NOTE Confidence: 0.9875141

00:12:06.868 --> 00:12:09.290 do your own skin checks.

NOTE Confidence: 0.9875141

00:12:09.290 --> 00:12:11.900 Uh, and and this is a guide to doing it.

NOTE Confidence: 0.984358929166667

00:12:14.030 --> 00:12:16.942 Test. You don't have to be a

NOTE Confidence: 0.984358929166667

00:12:16.942 --> 00:12:19.091 professor of dermatology at Harvard

NOTE Confidence: 0.984358929166667

00:12:19.091 --> 00:12:21.539 to be able to recognize something

NOTE Confidence: 0.984358929166667

00:12:21.539 --> 00:12:24.250 new and different on your skin.

NOTE Confidence: 0.984358929166667

00:12:24.250 --> 00:12:26.784 It's helped, certainly if you have a

NOTE Confidence: 0.984358929166667

00:12:26.784 --> 00:12:29.748 partner to look particularly at your back.

NOTE Confidence: 0.984358929166667

00:12:29.750 --> 00:12:32.334 I don't do these exams once a month.

NOTE Confidence: 0.984358929166667

00:12:32.340 --> 00:12:34.924 I urge people a 15th of the month.

NOTE Confidence: 0.984358929166667

00:12:34.930 --> 00:12:37.530 Take two minutes and do a skin exam.

NOTE Confidence: 0.984358929166667

00:12:37.530 --> 00:12:39.150 Is there something new something

NOTE Confidence: 0.984358929166667

00:12:39.150 --> 00:12:40.770 changing something you don't recognize?

NOTE Confidence: 0.98455346

00:12:43.330 --> 00:12:43.590 So.

NOTE Confidence: 0.9868667

00:12:48.250 --> 00:12:49.850 OK, the most common place,

NOTE Confidence: 0.9868667

00:12:49.850 --> 00:12:52.041 for instance men get Melanoma is the

NOTE Confidence: 0.9868667

00:12:52.041 --> 00:12:54.650 upper back and they can't see it readily.

NOTE Confidence: 0.9868667

00:12:54.650 --> 00:12:56.680 For women the front of the lower

NOTE Confidence: 0.9868667

00:12:56.680 --> 00:12:58.809 legs is the most common place,

NOTE Confidence: 0.9868667

00:12:58.810 --> 00:13:00.090 although neither one Mitt

NOTE Confidence: 0.9868667

00:13:00.090 --> 00:13:01.690 represents 30% of their locations.

NOTE Confidence: 0.9868667

00:13:01.690 --> 00:13:03.290 But particularly with the back,

NOTE Confidence: 0.9868667

00:13:03.290 --> 00:13:05.334 the back for women is also an

NOTE Confidence: 0.9868667

00:13:05.334 --> 00:13:06.810 important place for Melanoma.

NOTE Confidence: 0.9868667

00:13:06.810 --> 00:13:09.370 So do check one another's backs at home.

NOTE Confidence: 0.982311457142857

00:13:11.820 --> 00:13:14.564 In terms of. Prevention in sun safety.

NOTE Confidence: 0.982311457142857

00:13:14.570 --> 00:13:16.496 Avoid the worst of the Suns.

NOTE Confidence: 0.982311457142857

00:13:16.500 --> 00:13:18.744 10:00 o'clock till talked in the

00:13:18.744 --> 00:13:21.867 morning till 2:00 in the afternoon. Uh.

00:13:21.867 --> 00:13:25.209 Clothing big hats like patients kidney.

00:13:25.210 --> 00:13:28.432 I'm always telling get a big head skin cancer

00:13:28.432 --> 00:13:31.626 on the ear is almost uniquely among men.

00:13:31.630 --> 00:13:32.983 Women inadvertently protect

00:13:32.983 --> 00:13:35.689 their ears with their long hair.

00:13:35.690 --> 00:13:37.742 But men should. Everyone should wear

00:13:37.742 --> 00:13:40.717 a big hat that protects ears and face.

00:13:40.720 --> 00:13:44.248 Uh sunglasses, of course.

00:13:44.250 --> 00:13:46.866 Sunscreens, they should be broad spectrum,

00:13:46.870 --> 00:13:51.238 water resistant and at least a 30 SPF.

00:13:51.240 --> 00:13:53.744 And don't forget, even on a cloudy day,

00:13:53.750 --> 00:13:56.024 you certainly can get sunburn and

00:13:56.024 --> 00:13:58.209 reapply it every couple of hours.

00:13:58.210 --> 00:14:00.478 Succinctly, in the realm of sunscreens,

00:14:00.480 --> 00:14:02.643 I think the evidence more and more

NOTE Confidence: 0.982311457142857

00:14:02.643 --> 00:14:05.519 favors for a variety of reasons using

NOTE Confidence: 0.982311457142857

00:14:05.519 --> 00:14:07.686 the inorganic sunscreens, which are

NOTE Confidence: 0.982311457142857

00:14:07.686 --> 00:14:09.954 the zinc and titanium dioxide sunscreens.

NOTE Confidence: 0.982311457142857

00:14:09.960 --> 00:14:12.606 But that's it's another topic for discussion,

NOTE Confidence: 0.982311457142857

00:14:12.610 --> 00:14:15.074 but I would favor that type of sunscreen

NOTE Confidence: 0.982311457142857

00:14:15.074 --> 00:14:17.538 and their work cosmetically acceptable.

NOTE Confidence: 0.982311457142857

00:14:17.540 --> 00:14:20.564 You're not as white when you use them,

NOTE Confidence: 0.982311457142857

00:14:20.570 --> 00:14:22.470 they've broken the particles down,

NOTE Confidence: 0.982311457142857

00:14:22.470 --> 00:14:26.495 so there that you're you're less white.

NOTE Confidence: 0.982311457142857

00:14:26.500 --> 00:14:29.412 Yeah, don't forget the reflection from the

NOTE Confidence: 0.982311457142857

00:14:29.412 --> 00:14:32.678 water from sand at the beach and from snow.

NOTE Confidence: 0.982311457142857

00:14:32.680 --> 00:14:34.730 The worst sunburns I've seen

NOTE Confidence: 0.982311457142857

00:14:34.730 --> 00:14:37.575 have been 17 year old skiing at

NOTE Confidence: 0.982311457142857

00:14:37.575 --> 00:14:40.399 Vail at 5 or 6000 feet with snow.

NOTE Confidence: 0.982311457142857

00:14:40.400 --> 00:14:43.420 Terrible amounts of ultraviolet.

NOTE Confidence: 0.982311457142857

00:14:43.420 --> 00:14:44.576 On their face now,

NOTE Confidence: 0.982311457142857

00:14:44.576 --> 00:14:46.021 the skiing goggles and the

NOTE Confidence: 0.982311457142857

00:14:46.021 --> 00:14:47.620 helmets protects a lot of that,

NOTE Confidence: 0.982311457142857

00:14:47.620 --> 00:14:49.020 but the worst sunburns can

NOTE Confidence: 0.982311457142857

00:14:49.020 --> 00:14:50.140 be out there skiing.

NOTE Confidence: 0.9883488

00:14:52.330 --> 00:14:53.818 And whatever you do,

NOTE Confidence: 0.9883488

00:14:53.818 --> 00:14:55.678 don't use tanning bed again.

NOTE Confidence: 0.9883488

00:14:55.680 --> 00:14:57.906 They should be renamed wrinkle machines.

NOTE Confidence: 0.9883488

00:14:57.910 --> 00:15:00.507 There has been an uptick over the

NOTE Confidence: 0.9883488

00:15:00.507 --> 00:15:03.119 last 20 years or so skin cancer,

NOTE Confidence: 0.9883488

00:15:03.120 --> 00:15:04.233 Melanoma, squamous cell,

NOTE Confidence: 0.9883488

00:15:04.233 --> 00:15:06.088 and young women in America,

NOTE Confidence: 0.9883488

00:15:06.090 --> 00:15:07.950 undoubtedly because of their their,

NOTE Confidence: 0.9883488

00:15:07.950 --> 00:15:10.188 their primary users of tanning beds.

NOTE Confidence: 0.98175377

00:15:12.470 --> 00:15:14.610 And these are two references.

NOTE Confidence: 0.98175377

24

00:15:14.610 --> 00:15:17.263 The first is from the American Academy

NOTE Confidence: 0.98175377

00:15:17.263 --> 00:15:19.300 of Dermatology spots incanter.org.

NOTE Confidence: 0.98175377

00:15:19.300 --> 00:15:21.008 They have excellent material,

NOTE Confidence: 0.98175377

00:15:21.008 --> 00:15:22.716 excellent pamphlets on all

NOTE Confidence: 0.98175377

00:15:22.716 --> 00:15:24.430 the different skin cancers.

NOTE Confidence: 0.98175377

00:15:24.430 --> 00:15:26.992 The same is true for the

NOTE Confidence: 0.98175377

00:15:26.992 --> 00:15:28.700 store dot skin cancer,

NOTE Confidence: 0.98175377

00:15:28.700 --> 00:15:31.689 or that's from the Skin Cancer Foundation.

NOTE Confidence: 0.98175377

00:15:31.690 --> 00:15:32.484 Wonderful material,

NOTE Confidence: 0.98175377

00:15:32.484 --> 00:15:34.469 very inexpensive and it details

NOTE Confidence: 0.98175377

00:15:34.469 --> 00:15:36.643 more of the clinical presentations

NOTE Confidence: 0.98175377

00:15:36.643 --> 00:15:38.938 of the various skin cancers.

NOTE Confidence: 0.98175377

00:15:38.940 --> 00:15:41.080 Thank you for your time.

NOTE Confidence: 0.9843406

00:15:50.280 --> 00:15:52.194 That's great Doctor Connors

NOTE Confidence: 0.9843406

00:15:52.194 --> 00:15:54.226 come I'm gonna come.

NOTE Confidence: 0.6862731

00:15:54.230 --> 00:15:57.468 I'm going to just, uh, uhm, talk, uh,

NOTE Confidence: 0.6862731

00:15:57.468 --> 00:16:01.620 next let me just pull up my slides.

NOTE Confidence: 0.6862731

00:16:01.620 --> 00:16:04.668 OK, so my name is I'm for I'm

NOTE Confidence: 0.6862731

00:16:04.668 --> 00:16:07.908 here so my name is Sajjad Khan.

NOTE Confidence: 0.6862731

00:16:07.910 --> 00:16:10.836 One of these surgical oncologists at Yale,

NOTE Confidence: 0.6862731

00:16:10.840 --> 00:16:13.549 one of three surgical resurgens at Yale

NOTE Confidence: 0.6862731

00:16:13.549 --> 00:16:16.290 that take care of Melanoma patients.

NOTE Confidence: 0.6862731

00:16:16.290 --> 00:16:17.962 There's myself, there's doctor

NOTE Confidence: 0.6862731

00:16:17.962 --> 00:16:20.052 Alina and there's doctor Clune,

NOTE Confidence: 0.6862731

00:16:20.060 --> 00:16:22.790 and we see patients currently in the

NOTE Confidence: 0.6862731

00:16:22.790 --> 00:16:25.631 shoreline in New Haven and Trumbull in

NOTE Confidence: 0.6862731

00:16:25.631 --> 00:16:28.598 our clinics and provided care of patients

NOTE Confidence: 0.6862731

00:16:28.598 --> 00:16:31.628 throughout the state of Connecticut we.

NOTE Confidence: 0.6862731

00:16:31.630 --> 00:16:33.145 We're also working closely with

NOTE Confidence: 0.6862731

00:16:33.145 --> 00:16:35.010 some of the excellent surgeons that

NOTE Confidence: 0.6862731

00:16:35.010 --> 00:16:36.480 you have at Greenwich Hospital,

NOTE Confidence: 0.6862731

00:16:36.480 --> 00:16:37.708 such as Doctor Petrotest,

NOTE Confidence: 0.6862731

00:16:37.708 --> 00:16:40.102 and we're and we hope to have a

NOTE Confidence: 0.6862731

00:16:40.102 --> 00:16:42.062 bit of more of a presence for our

NOTE Confidence: 0.6862731

00:16:42.131 --> 00:16:43.846 surgical oncology group at that

NOTE Confidence: 0.6862731

00:16:43.846 --> 00:16:47.590 time in that location as well, too.

NOTE Confidence: 0.6862731

00:16:47.590 --> 00:16:50.029 So what I'm going to talk to you about

NOTE Confidence: 0.6862731

00:16:50.029 --> 00:16:52.299 for our March from my perspective,

NOTE Confidence: 0.6862731

00:16:52.300 --> 00:16:53.870 is from a surgical oncologist.

NOTE Confidence: 0.6862731

00:16:53.870 --> 00:16:55.514 So Doctor Connors believe an excellent

NOTE Confidence: 0.6862731

00:16:55.514 --> 00:16:57.049 talk about from a dermatology

NOTE Confidence: 0.6862731

00:16:57.049 --> 00:16:58.577 perspective on skin cancer.

NOTE Confidence: 0.6862731

00:16:58.580 --> 00:17:01.082 Mine is going to be a little bit more

NOTE Confidence: 0.6862731

00:17:01.082 --> 00:17:03.288 focused on Melanoma because, you know,

NOTE Confidence: 0.6862731

00:17:03.288 --> 00:17:04.858 many patients with skin cancers.

NOTE Confidence: 0.6862731

00:17:04.860 --> 00:17:07.880 Don't see us, they see.

NOTE Confidence: 0.6862731

00:17:07.880 --> 00:17:09.685 Dermatologist Doctor Connors who can

NOTE Confidence: 0.6862731

00:17:09.685 --> 00:17:11.930 handle things uh within their office.

NOTE Confidence: 0.6862731

00:17:11.930 --> 00:17:13.034 And oftentimes dermatologists,

NOTE Confidence: 0.6862731

00:17:13.034 --> 00:17:13.770 Doctor Connors,

NOTE Confidence: 0.6862731

00:17:13.770 --> 00:17:14.808 mother dermatologist throughout

NOTE Confidence: 0.6862731

00:17:14.808 --> 00:17:17.230 the region when they see a patient

NOTE Confidence: 0.6862731

00:17:17.289 --> 00:17:18.549 with Melanoma diagnosis,

NOTE Confidence: 0.6862731

00:17:18.550 --> 00:17:21.494 still have the patient see one of us.

NOTE Confidence: 0.6862731

00:17:21.500 --> 00:17:24.628 So this is just going to be a

NOTE Confidence: 0.6862731

00:17:24.628 --> 00:17:27.682 very basic talk going over some

NOTE Confidence: 0.6862731

00:17:27.682 --> 00:17:30.397 of that from our perspective.

NOTE Confidence: 0.6862731

00:17:30.400 --> 00:17:33.667 So this is a general slide that shows that

NOTE Confidence: 0.6862731

00:17:33.667 --> 00:17:36.924 cancer is obviously a big problem in America.

NOTE Confidence: 0.6862731

00:17:36.930 --> 00:17:37.902 So in 2020,

NOTE Confidence: 0.6862731

00:17:37.902 --> 00:17:39.522 nearly 2 million people were

NOTE Confidence: 0.6862731

00:17:39.522 --> 00:17:41.289 diagnosed with cancer altogether.

NOTE Confidence: 0.6862731

00:17:41.290 --> 00:17:43.850 I'm sure just that everyone in this audience

NOTE Confidence: 0.6862731

00:17:43.850 --> 00:17:46.368 has been affected somewhat with cancer.

NOTE Confidence: 0.6862731

00:17:46.370 --> 00:17:47.459 Whether it's personally

NOTE Confidence: 0.6862731

00:17:47.459 --> 00:17:49.637 worth a friend or a family.

NOTE Confidence: 0.6862731

00:17:49.640 --> 00:17:51.915 And unfortunately we still have a lot

NOTE Confidence: 0.6862731

00:17:51.915 --> 00:17:54.719 to do with our battle against cancer.

NOTE Confidence: 0.6862731

00:17:54.720 --> 00:17:56.415 Over half a million people

NOTE Confidence: 0.6862731

00:17:56.415 --> 00:17:58.710 died in 2020 due to cancer,

NOTE Confidence: 0.6862731

00:17:58.710 --> 00:18:01.350 and cancer is not just a problem nationally

NOTE Confidence: 0.6862731

00:18:01.350 --> 00:18:03.788 to problem locally here in Connecticut,

NOTE Confidence: 0.6862731

00:18:03.790 --> 00:18:05.968 just in our small state here,

NOTE Confidence: 0.6862731

00:18:05.970 --> 00:18:07.365 20,000 /, 20,000.

NOTE Confidence: 0.6862731

00:18:07.365 --> 00:18:10.155 People were diagnosed with cancer and

NOTE Confidence: 0.6862731

00:18:10.155 --> 00:18:14.620 6300 people died of cancer specifically.

NOTE Confidence: 0.6862731

00:18:14.620 --> 00:18:16.328 This is a slide that you may

NOTE Confidence: 0.6862731

00:18:16.328 --> 00:18:17.060 see another talks.

NOTE Confidence: 0.6862731

00:18:17.060 --> 00:18:18.542 If you haven't seen this already

NOTE Confidence: 0.6862731

00:18:18.542 --> 00:18:20.720 and this is a slide that shows the

NOTE Confidence: 0.6862731

00:18:20.720 --> 00:18:22.424 top ten cancers diagnosed in the

NOTE Confidence: 0.6862731

00:18:22.484 --> 00:18:24.304 United States in men and in women.

NOTE Confidence: 0.6862731

00:18:24.310 --> 00:18:26.140 You could see that the leading

NOTE Confidence: 0.6862731

00:18:26.140 --> 00:18:27.055 cause of cancer,

NOTE Confidence: 0.6862731

00:18:27.060 --> 00:18:28.284 the leading diagnosed cancer

NOTE Confidence: 0.6862731

00:18:28.284 --> 00:18:29.508 in America for men,

NOTE Confidence: 0.6862731

00:18:29.510 --> 00:18:31.690 is prostate cancer and in

NOTE Confidence: 0.6862731

00:18:31.690 --> 00:18:32.998 women's breast cancer.

NOTE Confidence: 0.6862731

00:18:33.000 --> 00:18:34.660 The purpose of this talk

NOTE Confidence: 0.6862731

00:18:34.660 --> 00:18:36.320 is Melanoma and you see,

NOTE Confidence: 0.6862731

00:18:36.320 --> 00:18:38.210 Melanoma does make the top ten

NOTE Confidence: 0.6862731

00:18:38.210 --> 00:18:40.300 list for both males and females,

NOTE Confidence: 0.6862731

00:18:40.300 --> 00:18:41.628 accounting for 60,000 patients

NOTE Confidence: 0.6862731

00:18:41.628 --> 00:18:43.288 in men and 40,000 patients,

NOTE Confidence: 0.6862731

00:18:43.290 --> 00:18:44.618 40,000 cases in women.

NOTE Confidence: 0.98106915

00:18:47.420 --> 00:18:49.240 And and this is some of this

NOTE Confidence: 0.98106915

00:18:49.240 --> 00:18:51.902 is a little bit of a recap of

NOTE Confidence: 0.98106915

00:18:51.902 --> 00:18:53.350 Doctor Connors and presentation.

NOTE Confidence: 0.98106915

00:18:53.350 --> 00:18:54.598 But 3.5 million Americans,

NOTE Confidence: 0.98106915

00:18:54.598 --> 00:18:56.158 probably even higher than that,

NOTE Confidence: 0.98106915

00:18:56.160 --> 00:18:57.894 were diagnosed with a non Melanoma

NOTE Confidence: 0.98106915

00:18:57.894 --> 00:18:59.789 skin cancer such as basal cell

NOTE Confidence: 0.98106915

00:18:59.789 --> 00:19:01.145 or squamous cell carcinoma.

NOTE Confidence: 0.98106915

00:19:01.150 --> 00:19:02.161 The Merkel cells,

NOTE Confidence: 0.98106915

00:19:02.161 --> 00:19:04.520 like Doctor Connor said is are quite

NOTE Confidence: 0.98106915

00:19:04.584 --> 00:19:06.606 rare and deaths related to these

NOTE Confidence: 0.98106915

00:19:06.606 --> 00:19:08.830 types of skin cancers are uncommon.

NOTE Confidence: 0.98106915

00:19:08.830 --> 00:19:10.990 And the number of individuals

NOTE Confidence: 0.98106915

00:19:10.990 --> 00:19:13.150 diagnosed with Melanoma is nearly

NOTE Confidence: 0.98106915

00:19:13.224 --> 00:19:15.654 100,000 and it depends on who

NOTE Confidence: 0.98106915

00:19:15.654 --> 00:19:17.550 who statistics you're looking at.

NOTE Confidence: 0.98106915

00:19:17.550 --> 00:19:20.700 But the American Cancer Society last

NOTE Confidence: 0.98106915

00:19:20.700 --> 00:19:22.800 year reported 100,000 individuals

NOTE Confidence: 0.98106915

00:19:22.882 --> 00:19:25.660 with diagnosed with Melanoma in 6800.

NOTE Confidence: 0.98106915

00:19:25.660 --> 00:19:27.290 Cancer related deaths from Melanoma.

NOTE Confidence: 0.98106915

00:19:27.290 --> 00:19:29.376 They also document for the NCCN and

NOTE Confidence: 0.98106915

00:19:29.376 --> 00:19:31.190 for the American Cancer Society,

NOTE Confidence: 0.98106915

00:19:31.190 --> 00:19:32.810 that the incidence is rising.

NOTE Confidence: 0.98106915

00:19:32.810 --> 00:19:34.440 There's some controversy to that,

NOTE Confidence: 0.98106915

00:19:34.440 --> 00:19:36.696 but the incidence is running rising

NOTE Confidence: 0.98106915

00:19:36.696 --> 00:19:38.585 according to these sources and

NOTE Confidence: 0.98106915

00:19:38.585 --> 00:19:40.165 the lifetime risk of developing

NOTE Confidence: 0.98106915

00:19:40.165 --> 00:19:42.279 Melanoma is 1 in 34 for females

NOTE Confidence: 0.98106915

00:19:42.279 --> 00:19:43.857 and one in 53 for males.

NOTE Confidence: 0.98106915

00:19:43.860 --> 00:19:46.460 So it's a it's not an uncommon problem.

NOTE Confidence: 0.96626365

00:19:49.070 --> 00:19:50.882 So so UV light exposure is

NOTE Confidence: 0.96626365

00:19:50.882 --> 00:19:52.090 a major ideological factor.

NOTE Confidence: 0.96626365

00:19:52.090 --> 00:19:54.437 And like again these are. These are not.

NOTE Confidence: 0.96626365

00:19:54.437 --> 00:19:56.781 This isn't even sum it up as well

NOTE Confidence: 0.96626365

00:19:56.781 --> 00:19:58.725 as Doctor Connor summed it up,

NOTE Confidence: 0.96626365

00:19:58.730 --> 00:20:00.240 but sunburned early in life.

NOTE Confidence: 0.96626365

00:20:00.240 --> 00:20:01.938 These are some questions that we

NOTE Confidence: 0.96626365

00:20:01.938 --> 00:20:03.769 asked for patients in the clinic

NOTE Confidence: 0.96626365

00:20:03.769 --> 00:20:05.379 in our surgical oncology clinic.

NOTE Confidence: 0.96626365

00:20:05.380 --> 00:20:07.186 I always ask him about sunburns,

NOTE Confidence: 0.96626365

00:20:07.190 --> 00:20:08.120 particularly blistering sunburns,

NOTE Confidence: 0.96626365

00:20:08.120 --> 00:20:09.980 which is a risk factor for

NOTE Confidence: 0.96626365

00:20:09.980 --> 00:20:11.417 development of Melanoma tanning beds,

NOTE Confidence: 0.96626365

00:20:11.420 --> 00:20:12.624 which are obviously very.

NOTE Confidence: 0.96626365

00:20:12.624 --> 00:20:13.828 They can be there.

NOTE Confidence: 0.96626365

00:20:13.830 --> 00:20:14.434 Very dangerous.

NOTE Confidence: 0.96626365

00:20:14.434 --> 00:20:16.548 Kind of like cigarettes is the analogy.

NOTE Confidence: 0.96626365

00:20:16.550 --> 00:20:18.050 I use them too.

NOTE Confidence: 0.96626365

00:20:18.050 --> 00:20:19.925 Oftentimes a personal history of

NOTE Confidence: 0.96626365

00:20:19.925 --> 00:20:21.819 Melanoma or other skin cancers.

NOTE Confidence: 0.96626365

00:20:21.820 --> 00:20:23.630 A family history of Melanoma.

NOTE Confidence: 0.96626365

00:20:23.630 --> 00:20:25.802 There are less common things such

NOTE Confidence: 0.96626365

00:20:25.802 --> 00:20:27.250 as dysplastic nevus syndrome,

NOTE Confidence: 0.96626365

00:20:27.250 --> 00:20:27.974 Xeroderma pigmentosum,

NOTE Confidence: 0.96626365

00:20:27.974 --> 00:20:29.422 some genetic mutations in

NOTE Confidence: 0.96626365

00:20:29.422 --> 00:20:31.230 radiation exposure as a child,

NOTE Confidence: 0.96626365

00:20:31.230 --> 00:20:33.288 but those latter ones are very

NOTE Confidence: 0.96626365

00:20:33.288 --> 00:20:35.580 uncommon or a much less common.

NOTE Confidence: 0.96502364

00:20:37.800 --> 00:20:40.184 So the key to a good outcome for

NOTE Confidence: 0.96502364

00:20:40.184 --> 00:20:42.237 Melanoma often is an early diagnosis,

NOTE Confidence: 0.96502364

34

00:20:42.240 --> 00:20:45.084 as is the deal with other types of cancers,

NOTE Confidence: 0.96502364

00:20:45.090 --> 00:20:46.680 solid tumor malignancies and prevention,

NOTE Confidence: 0.96502364

00:20:46.680 --> 00:20:48.703 and you know first thing is to

NOTE Confidence: 0.96502364

00:20:48.703 --> 00:20:50.160 avoid UV radiation exposure,

NOTE Confidence: 0.96502364

00:20:50.160 --> 00:20:51.745 and this is particularly important

NOTE Confidence: 0.96502364

00:20:51.745 --> 00:20:53.013 for fair skinned individuals.

NOTE Confidence: 0.96502364

00:20:53.020 --> 00:20:53.968 You know technically,

NOTE Confidence: 0.96502364

00:20:53.968 --> 00:20:55.548 just being in a building,

NOTE Confidence: 0.96502364

00:20:55.550 --> 00:20:58.403 being indoors is the way to avoid the sun.

NOTE Confidence: 0.96502364

00:20:58.410 --> 00:21:00.306 Obviously that's not practical in the

NOTE Confidence: 0.96502364

00:21:00.306 --> 00:21:02.530 United States, but uh, so you know.

NOTE Confidence: 0.96502364

00:21:02.530 --> 00:21:04.749 So if you are out and about,

NOTE Confidence: 0.96502364

00:21:04.750 --> 00:21:06.670 you know, use protective clothing.

NOTE Confidence: 0.96502364

00:21:06.670 --> 00:21:09.174 And then sunscreen SPF 30 or higher is

NOTE Confidence: 0.96502364

00:21:09.174 --> 00:21:12.049 what we cancel our patients as well too.

NOTE Confidence: 0.96502364

00:21:12.050 --> 00:21:13.725 And so prevention the best

NOTE Confidence: 0.96502364

00:21:13.725 --> 00:21:15.065 you can and screening.

NOTE Confidence: 0.96502364

00:21:15.070 --> 00:21:16.414 I couldn't have summarizes

NOTE Confidence: 0.96502364

00:21:16.414 --> 00:21:17.758 better than Doctor Connors,

NOTE Confidence: 0.96502364

00:21:17.760 --> 00:21:19.932 but he also just to reinforce

NOTE Confidence: 0.96502364

00:21:19.932 --> 00:21:21.767 talked about self examinations and

NOTE Confidence: 0.96502364

00:21:21.767 --> 00:21:24.042 after we see our patients in our

NOTE Confidence: 0.96502364

00:21:24.042 --> 00:21:25.683 surgical oncology clinic that we

NOTE Confidence: 0.96502364

00:21:25.683 --> 00:21:27.525 make sure that they should have

NOTE Confidence: 0.96502364

00:21:27.525 --> 00:21:29.456 long term surveillance with their

NOTE Confidence: 0.96502364

00:21:29.456 --> 00:21:31.072 local dermatologists for total

NOTE Confidence: 0.96502364

00:21:31.072 --> 00:21:33.133 body checks is what we counsel them

NOTE Confidence: 0.96502364

00:21:33.133 --> 00:21:35.164 are on and we also plug patients

NOTE Confidence: 0.96502364

00:21:35.164 --> 00:21:36.720 into our Melanoma oncology.

NOTE Confidence: 0.96502364

00:21:36.720 --> 00:21:38.292 Program and that can involve a

NOTE Confidence: 0.96502364

00:21:38.292 --> 00:21:39.340 medical oncologist or surgical

NOTE Confidence: 0.96502364

00:21:39.389 --> 00:21:40.677 oncologist that follows along,

NOTE Confidence: 0.96502364

00:21:40.680 --> 00:21:43.227 but they keep for a certain period of time.

NOTE Confidence: 0.96502364

00:21:43.230 --> 00:21:45.422 But the key thing we tell our patients

NOTE Confidence: 0.96502364

00:21:45.422 --> 00:21:47.682 is you need to see your dermatologist

NOTE Confidence: 0.96502364

00:21:47.682 --> 00:21:49.820 for life for total body checks.

NOTE Confidence: 0.96502364

00:21:49.820 --> 00:21:50.191 Uhm,

NOTE Confidence: 0.96502364

00:21:50.191 --> 00:21:52.417 and there are some particular scenarios

NOTE Confidence: 0.96502364

00:21:52.417 --> 00:21:54.512 where patients may need some screen

NOTE Confidence: 0.96502364

00:21:54.512 --> 00:21:56.354 a little bit sooner than that.

NOTE Confidence: 0.9764311

00:21:58.390 --> 00:22:00.286 So these are the, you know,

NOTE Confidence: 0.9764311

00:22:00.290 --> 00:22:02.570 the we look at the same things as

NOTE Confidence: 0.9764311

00:22:02.570 --> 00:22:04.105 the surgical oncologist and you

NOTE Confidence: 0.9764311

00:22:04.105 --> 00:22:06.611 know our eyes are not as good as

NOTE Confidence: 0.9764311

00:22:06.611 --> 00:22:08.381 the dermatologist size such as

NOTE Confidence: 0.9764311

00:22:08.381 --> 00:22:10.742 Doctor Connors and some of the other

NOTE Confidence: 0.9764311

00:22:10.742 --> 00:22:12.626 dermatologists because you know we all

NOTE Confidence: 0.9764311

00:22:12.626 --> 00:22:14.781 often times will see patients with a

NOTE Confidence: 0.9764311

00:22:14.781 --> 00:22:16.693 cancer diagnosis and we are working

NOTE Confidence: 0.9764311

00:22:16.693 --> 00:22:18.673 on patients taking care of patients.

NOTE Confidence: 0.9764311

00:22:18.680 --> 00:22:20.260 Once that diagnosis is made.

NOTE Confidence: 0.9764311

00:22:20.260 --> 00:22:22.060 But these are questions we ask

NOTE Confidence: 0.9764311

00:22:22.060 --> 00:22:23.655 our patients just during their

NOTE Confidence: 0.9764311

00:22:23.655 --> 00:22:25.335 visit to our surgical oncology.

NOTE Confidence: 0.9764311

00:22:25.340 --> 00:22:27.350 Clinically focused, we asked if they.

NOTE Confidence: 0.9764311

00:22:27.350 --> 00:22:29.450 Have any if they have any recollection

NOTE Confidence: 0.9764311

00:22:29.450 --> 00:22:32.240 of the tumor or the lesion with eight

NOTE Confidence: 0.9764311

00:22:32.240 --> 00:22:34.065 for asymmetry orders being irregular,

NOTE Confidence: 0.9764311

00:22:34.070 --> 00:22:36.774 the color or not being the same or

NOTE Confidence: 0.9764311

00:22:36.774 --> 00:22:38.177 uniform throughout the diameter

NOTE Confidence: 0.9764311

00:22:38.177 --> 00:22:40.494 larger than a pencil eraser and has

NOTE Confidence: 0.9764311

00:22:40.494 --> 00:22:42.521 the has the skin lesion evolved

NOTE Confidence: 0.9764311

00:22:42.521 --> 00:22:44.742 over the course of time and these

NOTE Confidence: 0.9764311

00:22:44.742 --> 00:22:46.518 are just some simple examples of

NOTE Confidence: 0.9764311

00:22:46.518 --> 00:22:48.564 a symbol of an asymmetric Melanoma

NOTE Confidence: 0.9764311

00:22:48.564 --> 00:22:50.652 with an irregular another one with

NOTE Confidence: 0.9764311

00:22:50.718 --> 00:22:51.879 an irregular border.

NOTE Confidence: 0.9764311

00:22:51.880 --> 00:22:54.328 You can see stitches there in the middle

NOTE Confidence: 0.9764311

00:22:54.328 --> 00:22:57.346 from a biopsy that was performed the color.

NOTE Confidence: 0.9764311

00:22:57.350 --> 00:22:57.671 Variation,

NOTE Confidence: 0.9764311

00:22:57.671 --> 00:22:59.918 meaning that color is not the same

NOTE Confidence: 0.9764311

00:22:59.918 --> 00:23:01.618 throughout the entire skin lesion

NOTE Confidence: 0.9764311

00:23:01.618 --> 00:23:03.616 diameter larger than a pencil eraser,

NOTE Confidence: 0.9764311

00:23:03.620 --> 00:23:06.385 so those are and then the evolution

NOTE Confidence: 0.9764311

00:23:06.385 --> 00:23:09.347 that I didn't show any pictures on.

NOTE Confidence: 0.9764311

00:23:09.350 --> 00:23:10.686 So now you know.

NOTE Confidence: 0.9764311

00:23:10.686 --> 00:23:12.690 So let's say someone that you

NOTE Confidence: 0.9764311

00:23:12.763 --> 00:23:14.068 know is diagnosed.

NOTE Confidence: 0.9764311

00:23:14.070 --> 00:23:14.520 Melanoma,

NOTE Confidence: 0.9764311

00:23:14.520 --> 00:23:16.770 they see the dermatologist dermatologist

NOTE Confidence: 0.9764311

00:23:16.770 --> 00:23:19.614 performs a biopsy and you know at

NOTE Confidence: 0.9764311

00:23:19.614 --> 00:23:21.564 that point that's that's such a

NOTE Confidence: 0.9764311

00:23:21.564 --> 00:23:24.056 critical point in the the work up in

NOTE Confidence: 0.9764311

00:23:24.056 --> 00:23:26.049 the whole management of this patient.

NOTE Confidence: 0.9764311

00:23:26.049 --> 00:23:27.138 So you know,

NOTE Confidence: 0.9764311

00:23:27.140 --> 00:23:29.674 we work very closely with the dermatologist.

NOTE Confidence: 0.9764311

00:23:29.680 --> 00:23:31.440 We have the Dermot dermatologist

NOTE Confidence: 0.9764311

00:23:31.440 --> 00:23:34.811 Office will fax us or send us over the

NOTE Confidence: 0.9764311

00:23:34.811 --> 00:23:36.736 biopsy results after they've performed

NOTE Confidence: 0.9764311

00:23:36.736 --> 00:23:39.534 the biopsy and we pay attention to this.

NOTE Confidence: 0.9764311

00:23:39.540 --> 00:23:41.772 This slide just sums up how are surgical

NOTE Confidence: 0.9764311

00:23:41.772 --> 00:23:43.318 management is the primary tumor.

NOTE Confidence: 0.9764311

00:23:43.320 --> 00:23:45.114 We have patients that present with

NOTE Confidence: 0.9764311

00:23:45.114 --> 00:23:46.946 Melanoma Insight 2 and that some

NOTE Confidence: 0.9764311

00:23:46.946 --> 00:23:48.680 Melanoma that has not invaded into

NOTE Confidence: 0.9764311

00:23:48.680 --> 00:23:50.307 the deeper layers of the skin,

NOTE Confidence: 0.9764311

00:23:50.310 --> 00:23:52.291 which is which is a favorable thing

NOTE Confidence: 0.9764311

00:23:52.291 --> 00:23:54.073 because there's no lymphatics in the

NOTE Confidence: 0.9764311

00:23:54.073 --> 00:23:56.124 in that superficial layer of the skin.

NOTE Confidence: 0.9764311

00:23:56.130 --> 00:23:58.160 Thus there's no risk for lymphatic spread.

NOTE Confidence: 0.9764311

00:23:58.160 --> 00:23:59.620 So for Melanoma insight two,

NOTE Confidence: 0.9764311

00:23:59.620 --> 00:24:02.239 we tend to excise margins of five to 8

NOTE Confidence: 0.9764311

00:24:02.239 --> 00:24:04.277 millimeters around the side of the tumor,

NOTE Confidence: 0.9764311

00:24:04.280 --> 00:24:06.600 and I have a court picture for you.

NOTE Confidence: 0.9764311

00:24:06.600 --> 00:24:08.952 I'll show you a little bit later

NOTE Confidence: 0.9764311

00:24:08.952 --> 00:24:10.450 about what that means.

NOTE Confidence: 0.9764311

00:24:10.450 --> 00:24:10.761 Uh,

NOTE Confidence: 0.9764311

00:24:10.761 --> 00:24:12.316 if melanomas are less than

NOTE Confidence: 0.9764311

00:24:12.316 --> 00:24:13.560 one millimeter in thickness,

41

NOTE Confidence: 0.9764311

00:24:13.560 --> 00:24:15.426 and this is a vertical thickness.

NOTE Confidence: 0.9764311

00:24:15.430 --> 00:24:17.389 So it's, uh, we, we, we.

NOTE Confidence: 0.9764311

00:24:17.389 --> 00:24:19.843 Patient has a Melanoma that's less

NOTE Confidence: 0.9764311

00:24:19.843 --> 00:24:22.478 than one millimeter in thick thickness.

NOTE Confidence: 0.9764311

00:24:22.480 --> 00:24:24.260 We performing exceptionally wide margin

NOTE Confidence: 0.9764311

00:24:24.260 --> 00:24:26.040 resection of 1 centimeter circumferentially.

NOTE Confidence: 0.9764311

00:24:26.040 --> 00:24:27.815 I'll show you it's not

NOTE Confidence: 0.9764311

00:24:27.815 --> 00:24:28.525 technically circumferential.

NOTE Confidence: 0.9764311

00:24:28.530 --> 00:24:32.555 I tend to take in the lips.

NOTE Confidence: 0.9764311

00:24:32.560 --> 00:24:34.720 If patients having Melanoma 1 to

NOTE Confidence: 0.9764311

00:24:34.720 --> 00:24:36.410 2 millimeters in thickness uh,

NOTE Confidence: 0.9764311

00:24:36.410 --> 00:24:38.210 we perform a wide margin resection

NOTE Confidence: 0.9764311

00:24:38.210 --> 00:24:40.610 with one to two centimeter margins.

NOTE Confidence: 0.9764311

00:24:40.610 --> 00:24:42.913 If patients have a Melanoma that's two

NOTE Confidence: 0.9764311

00:24:42.913 --> 00:24:45.160 to four millimeters in Breslow thickness,

NOTE Confidence: 0.9764311

00:24:45.160 --> 00:24:47.878 we take margins of two centimeters.

NOTE Confidence: 0.9844791

00:24:47.880 --> 00:24:49.482 And if patients have greater than

NOTE Confidence: 0.9844791

00:24:49.482 --> 00:24:50.773 4 millimeter, Breslow think there's

NOTE Confidence: 0.9844791

00:24:50.773 --> 00:24:52.279 not great data to support what

NOTE Confidence: 0.9844791

00:24:52.279 --> 00:24:53.750 the wet propriate margins are.

NOTE Confidence: 0.9844791

00:24:53.750 --> 00:24:55.346 But we tend to take a little

NOTE Confidence: 0.9844791

00:24:55.346 --> 00:24:56.959 bit more than two centimeters,

NOTE Confidence: 0.9844791

00:24:56.960 --> 00:24:58.436 and particularly if I see someone

NOTE Confidence: 0.9844791

00:24:58.436 --> 00:25:00.007 with some of their at some

NOTE Confidence: 0.9844791

00:25:00.007 --> 00:25:01.352 other adverse features such as

NOTE Confidence: 0.9844791

00:25:01.352 --> 00:25:02.829 ulceration or high mitotic rate,

NOTE Confidence: 0.9844791

00:25:02.830 --> 00:25:04.830 I tend to sometimes even get the three

NOTE Confidence: 0.9844791

00:25:04.830 --> 00:25:06.570 centimeters in those in those scenarios,

NOTE Confidence: 0.9844791

00:25:06.570 --> 00:25:09.240 if I did do a PET scan ahead of time,

NOTE Confidence: 0.9844791

00:25:09.240 --> 00:25:10.575 but this is basically the

NOTE Confidence: 0.9844791

00:25:10.575 --> 00:25:11.910 margins that we aim for.

NOTE Confidence: 0.9844791

00:25:11.910 --> 00:25:13.572 For these wide excisions and and

NOTE Confidence: 0.9844791

00:25:13.572 --> 00:25:15.647 you know the and I in our clinic,

NOTE Confidence: 0.9844791

00:25:15.650 --> 00:25:16.758 we draw a cartoon.

NOTE Confidence: 0.9844791

00:25:16.758 --> 00:25:19.119 We draw it on a piece of paper.

NOTE Confidence: 0.9844791

00:25:19.120 --> 00:25:20.770 Exactly what we do to scale,

NOTE Confidence: 0.9844791

00:25:20.770 --> 00:25:21.604 and you know,

NOTE Confidence: 0.9844791

00:25:21.604 --> 00:25:22.994 the patient's natural reaction is

NOTE Confidence: 0.9844791

00:25:22.994 --> 00:25:24.669 always a little bit of surprise

NOTE Confidence: 0.9844791

00:25:24.669 --> 00:25:26.275 over how wide the margin, how,

NOTE Confidence: 0.9844791

00:25:26.275 --> 00:25:28.200 how much skin needs to be excised,

NOTE Confidence: 0.9844791

00:25:28.200 --> 00:25:29.760 or provide a good Hanukkah logic

NOTE Confidence: 0.9844791

00:25:29.760 --> 00:25:32.177 margin in our goal is to provide a good

NOTE Confidence: 0.9844791

00:25:32.177 --> 00:25:33.847 cancer operation and to provide so

NOTE Confidence: 0.9844791

00:25:33.847 --> 00:25:35.898 the patients have a good immediate outcome.

NOTE Confidence: 0.9844791

00:25:35.900 --> 00:25:37.280 But just as importantly good

NOTE Confidence: 0.9844791

00:25:37.280 --> 00:25:38.920 long term outcome as well too.

NOTE Confidence: 0.9844791

00:25:38.920 --> 00:25:40.300 And of course, our decision,

NOTE Confidence: 0.9844791

00:25:40.300 --> 00:25:41.950 our scars look very nice too,

NOTE Confidence: 0.9844791

00:25:41.950 --> 00:25:44.372 but at the end of the day

NOTE Confidence: 0.9844791

00:25:44.372 --> 00:25:46.750 we never want to compromise.

NOTE Confidence: 0.9844791

00:25:46.750 --> 00:25:47.465 Uh,

NOTE Confidence: 0.9844791

00:25:47.465 --> 00:25:49.610 the cancer outcome.

NOTE Confidence: 0.9844791

00:25:49.610 --> 00:25:51.591 Another thing that comes up with central

NOTE Confidence: 0.9844791

00:25:51.591 --> 00:25:54.107 and so I'm not I wouldn't read all this,

NOTE Confidence: 0.9844791

00:25:54.110 --> 00:25:56.350 but I'll give you some of the highlights.

NOTE Confidence: 0.9844791

00:25:56.350 --> 00:25:57.964 So another natural question was sent

NOTE Confidence: 0.9844791

00:25:57.964 --> 00:25:59.902 with Melanoma is is there any lymph

NOTE Confidence: 0.9844791

00:25:59.902 --> 00:26:01.247 node involvement so when patients

NOTE Confidence: 0.9844791

00:26:01.247 --> 00:26:03.379 see us in our surgical oncology clinic,

NOTE Confidence: 0.9844791

00:26:03.380 --> 00:26:05.284 we asked them to come into a gallon

NOTE Confidence: 0.9844791

00:26:05.284 --> 00:26:07.649 so we can do a skin exam and make

45

NOTE Confidence: 0.9844791

00:26:07.649 --> 00:26:09.158 sure that there's no satellite

NOTE Confidence: 0.9844791

00:26:09.158 --> 00:26:11.475 lesions or any other lesions that are

NOTE Confidence: 0.9844791

00:26:11.475 --> 00:26:13.695 missed and that there's no evidence

NOTE Confidence: 0.9844791

00:26:13.695 --> 00:26:15.991 of any clinical lymph adenopathy or

NOTE Confidence: 0.9844791

00:26:15.991 --> 00:26:18.055 enlarged lymph nodes if there's not.

NOTE Confidence: 0.9844791

00:26:18.060 --> 00:26:19.232 Patients have various characteristics

NOTE Confidence: 0.9844791

00:26:19.232 --> 00:26:19.818 of Melanoma.

NOTE Confidence: 0.9844791

00:26:19.820 --> 00:26:21.584 We will often offer them a

NOTE Confidence: 0.9844791

00:26:21.584 --> 00:26:22.760 Sentinel lymph node biopsy,

NOTE Confidence: 0.9844791

00:26:22.760 --> 00:26:24.664 a Sentinel lymph node biopsy is the

NOTE Confidence: 0.9844791

00:26:24.664 --> 00:26:26.142 first lymph node where Melanoma

NOTE Confidence: 0.9844791

00:26:26.142 --> 00:26:27.960 can spread to doesn't mean that

NOTE Confidence: 0.9844791

00:26:27.960 --> 00:26:28.940 Melanoma is there.

NOTE Confidence: 0.9844791

00:26:28.940 --> 00:26:31.138 It simply means we have to biopsy

NOTE Confidence: 0.9844791

00:26:31.138 --> 00:26:33.471 those lymph nodes in order to make

NOTE Confidence: 0.9844791

00:26:33.471 --> 00:26:35.463 sure that there's not Melanoma there.

NOTE Confidence: 0.9844791

00:26:35.470 --> 00:26:37.012 So for patients with Melanoma that

NOTE Confidence: 0.9844791

00:26:37.012 --> 00:26:39.528 are 1 to 2 millimeters in thickness,

NOTE Confidence: 0.9844791

00:26:39.530 --> 00:26:41.294 basically everyone gets sent a lymph

NOTE Confidence: 0.9844791

00:26:41.294 --> 00:26:43.182 node biopsy unless they have some

NOTE Confidence: 0.9844791

00:26:43.182 --> 00:26:44.827 issues with their performance status.

NOTE Confidence: 0.9844791

00:26:44.830 --> 00:26:46.702 They might not be flat chanted

NOTE Confidence: 0.9844791

00:26:46.702 --> 00:26:47.638 for clinical trials.

NOTE Confidence: 0.9844791

00:26:47.640 --> 00:26:49.506 Some in some circumstances they don't,

NOTE Confidence: 0.9844791

00:26:49.510 --> 00:26:51.022 but it's a general rule for

NOTE Confidence: 0.9844791

00:26:51.022 --> 00:26:52.930 patient with one to four millimeter

NOTE Confidence: 0.9844791

00:26:52.930 --> 00:26:54.187 Breslow thick Melanoma.

NOTE Confidence: 0.9844791

00:26:54.190 --> 00:26:56.269 I offered them a widest wide excision

NOTE Confidence: 0.9844791

00:26:56.269 --> 00:26:58.250 and a Sentinel lymph node biopsy.

NOTE Confidence: 0.9844791

00:26:58.250 --> 00:27:00.329 Sometimes it gets a little bit more

NOTE Confidence: 0.9844791

00:27:00.329 --> 00:27:02.298 difficult for patients with thin melanomas,

NOTE Confidence: 0.9844791

00:27:02.300 --> 00:27:03.910 so patients with thin melanomas

NOTE Confidence: 0.9844791

00:27:03.910 --> 00:27:05.520 that are less than 8.

NOTE Confidence: 0.9844791

00:27:05.520 --> 00:27:06.740 Millimeters generally don't get

NOTE Confidence: 0.9844791

00:27:06.740 --> 00:27:08.265 us into lymph node biopsy,

NOTE Confidence: 0.9844791

00:27:08.270 --> 00:27:10.454 but if they have a .8 millimeters to

NOTE Confidence: 0.9844791

00:27:10.454 --> 00:27:12.229 1 millimeter in Breslow thickness,

NOTE Confidence: 0.9844791

00:27:12.230 --> 00:27:14.060 we sometimes will offer them a

NOTE Confidence: 0.9844791

00:27:14.060 --> 00:27:14.670 settlement biopsy.

NOTE Confidence: 0.9844791

00:27:14.670 --> 00:27:16.195 If they have other characteristics

NOTE Confidence: 0.9844791

00:27:16.195 --> 00:27:17.110 that are adverse,

NOTE Confidence: 0.9852945

00:27:17.110 --> 00:27:19.550 such as a high mitotic rate or ulceration,

NOTE Confidence: 0.9852945

00:27:19.550 --> 00:27:21.766 or if there's some concern about the deep

NOTE Confidence: 0.9852945

00:27:21.766 --> 00:27:23.820 margin being thicker than .8 millimeters.

NOTE Confidence: 0.9852945

00:27:23.820 --> 00:27:25.650 So that's a group of patients.

NOTE Confidence: 0.9852945

00:27:25.650 --> 00:27:27.175 We will offer sentiment biopsy

NOTE Confidence: 0.9852945

00:27:27.175 --> 00:27:28.395 little bit more selectively.

NOTE Confidence: 0.9852945

00:27:28.400 --> 00:27:29.920 For patients with thick melanomas,

NOTE Confidence: 0.9852945

00:27:29.920 --> 00:27:32.055 you know this has become less controversial,

NOTE Confidence: 0.9852945

00:27:32.060 --> 00:27:33.902 but you know about 8:00 or

NOTE Confidence: 0.9852945

00:27:33.902 --> 00:27:36.108 nine years ago it was a little.

NOTE Confidence: 0.9852945

00:27:36.110 --> 00:27:38.378 Questionable about should patients with thick

NOTE Confidence: 0.9852945

00:27:38.378 --> 00:27:40.710 Melanoma is greater than 4 millimeters?

NOTE Confidence: 0.9852945

00:27:40.710 --> 00:27:42.996 Get us into lymph node biopsy.

NOTE Confidence: 0.9852945

00:27:43.000 --> 00:27:44.536 Would it provide prognostic

NOTE Confidence: 0.9852945

00:27:44.536 --> 00:27:45.688 information or not?

NOTE Confidence: 0.9852945

00:27:45.690 --> 00:27:48.258 But now we tend to offer sent by

NOTE Confidence: 0.9852945

00:27:48.258 --> 00:27:50.347 aspiration for 4 millimeters or

NOTE Confidence: 0.9852945

00:27:50.347 --> 00:27:52.637 greater than or greater thickness

NOTE Confidence: 0.9852945

00:27:52.637 --> 00:27:55.044 Melanoma because there is some utility

NOTE Confidence: 0.9852945

00:27:55.044 --> 00:27:57.562 in this patient cohort and the last

NOTE Confidence: 0.9852945

00:27:57.562 --> 00:27:59.090 important point that's important.

NOTE Confidence: 0.9852945

00:27:59.090 --> 00:28:01.286 Last last point that's important is

NOTE Confidence: 0.9852945

00:28:01.286 --> 00:28:03.650 the role of completion lymph node

NOTE Confidence: 0.9852945

00:28:03.650 --> 00:28:06.158 dissection so so sentimental biopsies are.

NOTE Confidence: 0.9852945

00:28:06.160 --> 00:28:07.660 You know, removing usually about

NOTE Confidence: 0.9852945

00:28:07.660 --> 00:28:09.160 one or two lymph nodes,

NOTE Confidence: 0.9852945

00:28:09.160 --> 00:28:10.660 sometimes a little bit more,

NOTE Confidence: 0.9852945

00:28:10.660 --> 00:28:11.272 sometimes one,

NOTE Confidence: 0.9852945

00:28:11.272 --> 00:28:13.720 but it's just removing a small select number

NOTE Confidence: 0.9852945

00:28:13.775 --> 00:28:16.055 of lymph nodes where Melanoma may spread to,

NOTE Confidence: 0.9852945

00:28:16.060 --> 00:28:18.454 and I have a cartoon for you to show

NOTE Confidence: 0.9852945

00:28:18.454 --> 00:28:20.857 you what that what that looks like.

NOTE Confidence: 0.9852945

00:28:20.860 --> 00:28:21.108 However,

NOTE Confidence: 0.9852945

00:28:21.108 --> 00:28:22.844 there was a time where patients that

NOTE Confidence: 0.9852945

00:28:22.844 --> 00:28:24.821 had positive Sentinel lymph nodes ended

NOTE Confidence: 0.9852945

00:28:24.821 --> 00:28:26.253 up getting completion lymphadenectomy's.

NOTE Confidence: 0.9852945

00:28:26.260 --> 00:28:28.620 Which means we removed the

00:28:28.620 --> 00:28:30.508 entire lymph node basin.

00:28:30.510 --> 00:28:32.547 Uh, within these patients as well too,

00:28:32.550 --> 00:28:34.531 but there was two major trials that

00:28:34.531 --> 00:28:36.329 happened in the last five years,

00:28:36.330 --> 00:28:38.076 one based out of North America,

00:28:38.080 --> 00:28:39.820 another one based out of Germany,

00:28:39.820 --> 00:28:41.052 where they randomized patients

00:28:41.052 --> 00:28:42.592 with positive central nodes to

00:28:42.592 --> 00:28:43.609 removing all the center,

00:28:43.610 --> 00:28:45.353 all the rest of the lymph nodes

00:28:45.353 --> 00:28:46.462 which AK completion lymphadenectomy

00:28:46.462 --> 00:28:48.334 or or just observing the group

00:28:48.334 --> 00:28:50.010 with the positive central nodes.

00:28:50.010 --> 00:28:51.866 And at the end of the day they

00:28:51.866 --> 00:28:53.641 found that there was no difference

NOTE Confidence: 0.9852945

00:28:53.641 --> 00:28:55.201 in the survival between both

NOTE Confidence: 0.9852945

00:28:55.201 --> 00:28:56.987 of those groups of patients.

NOTE Confidence: 0.9852945

00:28:56.990 --> 00:28:58.754 So that's pretty practice changing because

NOTE Confidence: 0.9852945

00:28:58.754 --> 00:29:01.138 there's been a lot of advances in Melanoma.

NOTE Confidence: 0.9852945

00:29:01.140 --> 00:29:02.028 The last 10 years.

NOTE Confidence: 0.9852945

00:29:02.028 --> 00:29:04.214 So a lot of which yell has contributed

NOTE Confidence: 0.9852945

00:29:04.214 --> 00:29:05.814 based on systemic treatment

NOTE Confidence: 0.9852945

00:29:05.814 --> 00:29:07.414 options such as immunotherapy,

NOTE Confidence: 0.9852945

00:29:07.420 --> 00:29:09.331 and some of these trials as well

NOTE Confidence: 0.9852945

00:29:09.331 --> 00:29:11.639 to where you know we are offering

NOTE Confidence: 0.9852945

00:29:11.639 --> 00:29:13.063 less surgery for patients.

NOTE Confidence: 0.9852945

00:29:13.070 --> 00:29:14.840 Because sometimes we we we want

NOTE Confidence: 0.9852945

00:29:14.840 --> 00:29:16.530 to help patients with surgery.

NOTE Confidence: 0.9852945

00:29:16.530 --> 00:29:18.408 If we're going to help them,

NOTE Confidence: 0.9852945

00:29:18.410 --> 00:29:19.226 but we wanna.

NOTE Confidence: 0.9852945

00:29:19.226 --> 00:29:20.858 We don't take patients through surgery

NOTE Confidence: 0.9852945

00:29:20.858 --> 00:29:23.090 if we put them into some unnecessary

NOTE Confidence: 0.9852945

00:29:23.090 --> 00:29:24.358 risk for unnecessary morbidity

NOTE Confidence: 0.9852945

00:29:24.412 --> 00:29:25.948 without providing much benefit.

NOTE Confidence: 0.9852945

00:29:25.950 --> 00:29:28.590 So these trials were very exciting

NOTE Confidence: 0.9852945

00:29:28.590 --> 00:29:31.170 in the surgical oncology community.

NOTE Confidence: 0.9852945

00:29:31.170 --> 00:29:33.165 So this is an example of what's

NOTE Confidence: 0.9852945

00:29:33.165 --> 00:29:34.020 called the lymphoscintigraphy,

NOTE Confidence: 0.9852945

00:29:34.020 --> 00:29:36.300 so if you see us in our surgical

NOTE Confidence: 0.9852945

00:29:36.300 --> 00:29:36.870 oncology clinic,

NOTE Confidence: 0.9852945

00:29:36.870 --> 00:29:38.460 I tend to get Olympus interior

NOTE Confidence: 0.9852945

00:29:38.460 --> 00:29:40.290 fee on most of my patients,

NOTE Confidence: 0.9852945

00:29:40.290 --> 00:29:42.194 which is basically an X ray of the

NOTE Confidence: 0.9852945

00:29:42.194 --> 00:29:43.885 lymph nodes where the patient goes

NOTE Confidence: 0.9852945

00:29:43.885 --> 00:29:45.625 to the nuclear medicine sweet and

NOTE Confidence: 0.9852945

00:29:45.679 --> 00:29:47.575 has an injection of what's called

NOTE Confidence: 0.9852945

00:29:47.575 --> 00:29:49.402 technetium and that travels to the

NOTE Confidence: 0.9852945

00:29:49.402 --> 00:29:51.088 Sentinel lymph nodes and we use

NOTE Confidence: 0.9852945

00:29:51.088 --> 00:29:52.475 that information in the operating

NOTE Confidence: 0.9852945

00:29:52.475 --> 00:29:54.267 room where we inject the blue dye

NOTE Confidence: 0.9852945

00:29:54.318 --> 00:29:55.853 called methylene blue and that

NOTE Confidence: 0.9852945

00:29:55.853 --> 00:29:57.388 methylene blue travels to the

NOTE Confidence: 0.9797051

00:29:57.390 --> 00:29:59.130 Sentinel lymph nodes in using the

NOTE Confidence: 0.9797051

00:29:59.130 --> 00:30:01.100 technetium study and the methylene blue.

NOTE Confidence: 0.9797051

00:30:01.100 --> 00:30:03.221 We were able to make a small

NOTE Confidence: 0.9797051

00:30:03.221 --> 00:30:04.536 incision directly over the

NOTE Confidence: 0.9797051

00:30:04.536 --> 00:30:06.266 Sentinel nodes and excise them.

NOTE Confidence: 0.9797051

00:30:06.270 --> 00:30:09.500 So that is what I sent to the lymph node.

NOTE Confidence: 0.9797051

00:30:09.500 --> 00:30:12.236 Biopsy is. And these are just some some

NOTE Confidence: 0.9797051

00:30:12.236 --> 00:30:14.909 examples of Sentinel lymph node biopsies

NOTE Confidence: 0.9797051

00:30:14.909 --> 00:30:17.299 in patients small incision produce.

NOTE Confidence: 0.9797051

00:30:17.300 --> 00:30:19.748 And the last few slides around this out,

NOTE Confidence: 0.9797051

00:30:19.750 --> 00:30:22.500 or just going to tell you a little bit

NOTE Confidence: 0.9797051

00:30:22.500 --> 00:30:24.262 more about, uh, about the survival.

NOTE Confidence: 0.9797051

00:30:24.262 --> 00:30:25.990 So the most important thing is

NOTE Confidence: 0.9797051

00:30:26.045 --> 00:30:27.700 the Breslow thickness and this.

NOTE Confidence: 0.9797051

00:30:27.700 --> 00:30:30.148 This is what's called a Captain Meier curve.

NOTE Confidence: 0.9797051

00:30:30.150 --> 00:30:31.386 And by the way,

NOTE Confidence: 0.9797051

00:30:31.386 --> 00:30:34.129 that what that means is on the Y axis.

NOTE Confidence: 0.9797051

00:30:34.130 --> 00:30:36.265 Here on the left is the Melanoma

NOTE Confidence: 0.9797051

00:30:36.265 --> 00:30:38.410 specific survival, and on the X axis.

NOTE Confidence: 0.9797051

00:30:38.410 --> 00:30:40.114 Here are the years after the

NOTE Confidence: 0.9797051

00:30:40.114 --> 00:30:41.780 patient is diagnosed with Melanoma,

NOTE Confidence: 0.9797051

00:30:41.780 --> 00:30:44.840 and as you see here in the in the purple,

NOTE Confidence: 0.9797051

00:30:44.840 --> 00:30:46.212 which is the top.

NOTE Confidence: 0.9797051

00:30:46.212 --> 00:30:47.927 These are patients with T1.

NOTE Confidence: 0.9797051

00:30:47.930 --> 00:30:50.178 Paid tumors is from a recent study from

NOTE Confidence: 0.9797051

00:30:50.178 --> 00:30:52.516 the MD Anderson Group where patients have

NOTE Confidence: 0.9797051

00:30:52.516 --> 00:30:55.149 that have less have a thin Melanoma,

NOTE Confidence: 0.9797051

00:30:55.150 --> 00:30:57.106 have an excellent long term survival,

NOTE Confidence: 0.9797051

00:30:57.110 --> 00:31:00.098 and as you advance and have

NOTE Confidence: 0.9797051

00:31:00.098 --> 00:31:01.592 a thicker Melanoma.

NOTE Confidence: 0.9797051

00:31:01.600 --> 00:31:03.538 Greater than 4 millimeters to survival

NOTE Confidence: 0.9797051

00:31:03.538 --> 00:31:06.450 is not as good, so that is a one.

NOTE Confidence: 0.9797051

00:31:06.450 --> 00:31:08.571 That's why the the tumor thickness is

NOTE Confidence: 0.9797051

00:31:08.571 --> 00:31:10.638 important and having a good dermatologist.

NOTE Confidence: 0.9797051

00:31:10.640 --> 00:31:12.548 Biopsy you such as Doctor Connors

NOTE Confidence: 0.9797051

00:31:12.548 --> 00:31:14.520 and his group go along way.

NOTE Confidence: 0.9797051

00:31:14.520 --> 00:31:16.704 The next important thing is if

NOTE Confidence: 0.9797051

00:31:16.704 --> 00:31:18.160 patients have positive Sentinel

NOTE Confidence: 0.9797051

00:31:18.220 --> 00:31:20.355 lymph nodes then you know the number

NOTE Confidence: 0.9797051

00:31:20.355 --> 00:31:22.193 of settling the number of nodes

NOTE Confidence: 0.9797051

00:31:22.193 --> 00:31:24.202 sometimes can play can play a big

NOTE Confidence: 0.9797051

00:31:24.210 --> 00:31:26.352 difference and what this shows is the

NOTE Confidence: 0.9797051

00:31:26.352 --> 00:31:28.409 more lymph nodes which are involved.

NOTE Confidence: 0.9797051

00:31:28.410 --> 00:31:30.370 You know the you know the outcome

NOTE Confidence: 0.9797051

00:31:30.370 --> 00:31:32.680 is not the Melanoma specifically.

NOTE Confidence: 0.9797051

00:31:32.680 --> 00:31:33.446 Old decreases,

NOTE Confidence: 0.9797051

00:31:33.446 --> 00:31:35.744 and that's basically what this a

NOTE Confidence: 0.9797051

00:31:35.744 --> 00:31:38.255 busy slide shows. So in summary.

NOTE Confidence: 0.9797051

00:31:38.255 --> 00:31:41.230 So for Melanoma it is the deadliest

NOTE Confidence: 0.9797051

00:31:41.321 --> 00:31:44.129 type of skin cancer which exists.

NOTE Confidence: 0.9797051

00:31:44.130 --> 00:31:45.219 Prevention early diagnosis

NOTE Confidence: 0.9797051

00:31:45.219 --> 00:31:46.308 improved clinical outcomes.

NOTE Confidence: 0.9797051

00:31:46.310 --> 00:31:46.926 So uh,

NOTE Confidence: 0.9797051

00:31:46.926 --> 00:31:49.893 so we do reinforced our patients to see the

NOTE Confidence: 0.9797051

00:31:49.893 --> 00:31:52.479 dermatologist to perform self body exams.

NOTE Confidence: 0.9797051

00:31:52.480 --> 00:31:54.736 Avoid UV exposure and remember the

NOTE Confidence: 0.9797051

00:31:54.736 --> 00:31:57.360 abcd's or ease because I think sometimes

NOTE Confidence: 0.9797051

00:31:57.360 --> 00:32:00.470 that will be important for you when you talk.

NOTE Confidence: 0.9797051

00:32:00.470 --> 00:32:03.302 But when you examine a skin lesion on

NOTE Confidence: 0.9797051

00:32:03.302 --> 00:32:05.549 yourself were in the family member,

NOTE Confidence: 0.9797051

00:32:05.550 --> 00:32:07.180 you know the surgical treatment

NOTE Confidence: 0.9797051

00:32:07.180 --> 00:32:09.540 is the backbone to the management.

NOTE Confidence: 0.9797051

00:32:09.540 --> 00:32:12.074 So we summarize the wide margin resection,

NOTE Confidence: 0.9797051

00:32:12.080 --> 00:32:13.935 a Sentinel lymph node biopsy

NOTE Confidence: 0.9797051

00:32:13.935 --> 00:32:14.677 very selectively.

NOTE Confidence: 0.9797051

00:32:14.680 --> 00:32:15.280 Completion lymphadenectomy's

NOTE Confidence: 0.9797051

00:32:15.280 --> 00:32:17.380 I didn't show you some of the

NOTE Confidence: 0.9797051

00:32:17.380 --> 00:32:18.478 circumstances where it's useful,

NOTE Confidence: 0.9797051

00:32:18.480 --> 00:32:19.064 but uh,

NOTE Confidence: 0.9797051

00:32:19.064 --> 00:32:20.524 there are some slight circumstances

NOTE Confidence: 0.9797051

00:32:20.524 --> 00:32:21.400 and you know.

NOTE Confidence: 0.9797051

00:32:21.400 --> 00:32:22.675 And then this metastasectomy what

NOTE Confidence: 0.9797051

00:32:22.675 --> 00:32:24.677 I mean by that is patients that

NOTE Confidence: 0.9797051

00:32:24.677 --> 00:32:26.357 have this metastasis of Melanoma.

NOTE Confidence: 0.9797051

00:32:26.360 --> 00:32:28.202 There is a selective role where

NOTE Confidence: 0.9797051

00:32:28.202 --> 00:32:29.859 sometimes surgery can play a role,

NOTE Confidence: 0.9797051

00:32:29.860 --> 00:32:32.488 but you know this talk was given by I'm.

NOTE Confidence: 0.9797051

00:32:32.490 --> 00:32:33.950 I'm speaking on behalf of

NOTE Confidence: 0.9797051

00:32:33.950 --> 00:32:34.534 surgical oncologists.

NOTE Confidence: 0.9797051

00:32:34.540 --> 00:32:35.736 If a medical oncologist,

NOTE Confidence: 0.9797051

00:32:35.736 --> 00:32:38.039 one of our medical colleagues gave you talk,

NOTE Confidence: 0.9797051

00:32:38.040 --> 00:32:40.048 they would tell you about how great the

NOTE Confidence: 0.9797051

00:32:40.048 --> 00:32:41.838 immune immune checkpoint inhibitors are.

NOTE Confidence: 0.9797051

00:32:41.840 --> 00:32:43.172 So they have revolutionized

NOTE Confidence: 0.9797051

00:32:43.172 --> 00:32:45.170 management for Melanoma in the last

NOTE Confidence: 0.9829967

00:32:45.224 --> 00:32:47.090 10 years. That that class of drugs

NOTE Confidence: 0.9829967

00:32:47.090 --> 00:32:49.040 is is is just really changed.

NOTE Confidence: 0.9829967

00:32:49.040 --> 00:32:51.119 The management is the most important group

NOTE Confidence: 0.9829967

00:32:51.119 --> 00:32:53.210 that cancer drugs have been developed and

NOTE Confidence: 0.9829967

00:32:53.210 --> 00:32:55.430 fortunately it works very well for Melanoma,

NOTE Confidence: 0.9829967

00:32:55.430 --> 00:32:59.890 so so there's less of a role for that for us.

NOTE Confidence: 0.9829967

00:32:59.890 --> 00:33:01.400 And finally, tumor thickness, ulceration,

NOTE Confidence: 0.9829967

00:33:01.400 --> 00:33:03.470 mitotic rate are the most important

NOTE Confidence: 0.9829967

00:33:03.470 --> 00:33:05.622 prognostic variables we tried to show you

NOTE Confidence: 0.9829967

00:33:05.622 --> 00:33:07.720 that toured in the last couple of slides,

NOTE Confidence: 0.9829967

00:33:07.720 --> 00:33:09.520 and if the sentiment is positive,

NOTE Confidence: 0.9829967

00:33:09.520 --> 00:33:11.194 the prognosis is determined by the

NOTE Confidence: 0.9829967

00:33:11.194 --> 00:33:12.830 number of positive nodes thickness,

NOTE Confidence: 0.9829967

00:33:12.830 --> 00:33:15.230 mitotic rate, and ulceration.

NOTE Confidence: 0.9829967

00:33:15.230 --> 00:33:16.138 Uh, and, uh, yeah.

NOTE Confidence: 0.9829967

00:33:16.138 --> 00:33:18.509 And that is it from my perspective here,

NOTE Confidence: 0.9829967

00:33:18.510 --> 00:33:20.686 and I'll hand it over to Doctor Mcgibbon.

NOTE Confidence: 0.9719955

00:33:23.580 --> 00:33:25.197 I was excellent. Thank you Doctor Cole.

NOTE Confidence: 0.9839977

00:33:29.730 --> 00:33:30.682 Transfer rank excellent. Let me

NOTE Confidence: 0.9839977

00:33:30.682 --> 00:33:32.370 see if I can share my screen here.

NOTE Confidence: 0.97738312

00:33:42.850 --> 00:33:45.338 OK, perfect. So again,

NOTE Confidence: 0.97738312

00:33:45.338 --> 00:33:47.826 I'm doctor Bruce Mcgibbon,

NOTE Confidence: 0.97738312

00:33:47.830 --> 00:33:51.078 radiation oncologist. Greenwich and.

NOTE Confidence: 0.97738312

00:33:51.080 --> 00:33:53.418 I'm going to talk through early advances

NOTE Confidence: 0.97738312

00:33:53.418 --> 00:33:55.358 in radiation therapy for skin cancer.

NOTE Confidence: 0.97738312

00:33:55.360 --> 00:33:57.656 Really particular to be non Melanoma cancers,

NOTE Confidence: 0.97738312

00:33:57.660 --> 00:33:59.628 especially the squamous and basal cell.

NOTE Confidence: 0.97572005

00:34:01.700 --> 00:34:04.292 I would say that the the the main types

NOTE Confidence: 0.97572005

00:34:04.292 --> 00:34:06.808 of cancers that get referred to to

NOTE Confidence: 0.97572005

00:34:06.808 --> 00:34:09.030 our clinic are really basal cell,

NOTE Confidence: 0.97572005

00:34:09.030 --> 00:34:11.278 squamous cell and a kind of a lesser

NOTE Confidence: 0.97572005

00:34:11.278 --> 00:34:13.510 version or an earlier version of

NOTE Confidence: 0.97572005

00:34:13.510 --> 00:34:15.515 scandal called Bowen's Disease or

NOTE Confidence: 0.97572005

00:34:15.515 --> 00:34:17.058 Springfield Person inside too.

NOTE Confidence: 0.97572005

00:34:17.060 --> 00:34:19.835 We definitely do see Melanoma

NOTE Confidence: 0.97572005

00:34:19.835 --> 00:34:21.500 and Merkel cell.

NOTE Confidence: 0.97572005

00:34:21.500 --> 00:34:24.258 Carcinoma and also at the other end

NOTE Confidence: 0.97572005

00:34:24.258 --> 00:34:26.202 called Capozzi, sarcoma and radiation,

NOTE Confidence: 0.97572005

00:34:26.202 --> 00:34:29.380 can play potential role in all of those.

NOTE Confidence: 0.97572005

00:34:29.380 --> 00:34:32.926 But to keep this talk a little more concise,

NOTE Confidence: 0.97572005

00:34:32.930 --> 00:34:36.230 we're going to stick nonmelanoma versions.

NOTE Confidence: 0.97572005

00:34:36.230 --> 00:34:37.800 And of these ones actually

NOTE Confidence: 0.97572005

00:34:37.800 --> 00:34:39.370 basal cell and squamous cell,

NOTE Confidence: 0.97572005

00:34:39.370 --> 00:34:42.470 about 70% of them seem to occur on the face

NOTE Confidence: 0.97572005

00:34:42.546 --> 00:34:45.646 and other ones on the face of at least 1/4.

NOTE Confidence: 0.97572005

00:34:45.650 --> 00:34:49.206 Almost a third are on the nose.

NOTE Confidence: 0.97572005

00:34:49.210 --> 00:34:51.180 And.

NOTE Confidence: 0.97572005

00:34:51.180 --> 00:34:52.252 Just something you know.

NOTE Confidence: 0.97572005

00:34:52.252 --> 00:34:53.592 Certainly the the full skin

NOTE Confidence: 0.97572005

00:34:53.592 --> 00:34:54.860 exam is really full body,

NOTE Confidence: 0.97572005

00:34:54.860 --> 00:34:57.604 but you know certainly is an area that

NOTE Confidence: 0.97572005

00:34:57.604 --> 00:35:00.307 that we pay a lot of attention to.

NOTE Confidence: 0.97572005

00:35:00.310 --> 00:35:02.606 Mike now in terms of the the managing

NOTE Confidence: 0.97572005

00:35:02.606 --> 00:35:04.646 right now you've been you've had

NOTE Confidence: 0.97572005

00:35:04.646 --> 00:35:06.740 that buys you Doctor Connors timed

NOTE Confidence: 0.97572005

00:35:06.803 --> 00:35:08.747 out and confirm your baseless claim

NOTE Confidence: 0.97572005

00:35:08.747 --> 00:35:10.890 of house is going to be managed.

NOTE Confidence: 0.97572005

00:35:10.890 --> 00:35:12.570 There are a bunch of options

NOTE Confidence: 0.97572005

00:35:12.570 --> 00:35:14.488 that are possible from you know,

NOTE Confidence: 0.97572005

00:35:14.490 --> 00:35:16.266 burning it or freezing it or

NOTE Confidence: 0.97572005

00:35:16.266 --> 00:35:17.450 certain topical chemo therapies.

NOTE Confidence: 0.97572005

00:35:17.450 --> 00:35:19.442 But I would say most of them are

NOTE Confidence: 0.97572005

00:35:19.442 --> 00:35:21.280 managed by some type of surgical

NOTE Confidence: 0.97572005

00:35:21.280 --> 00:35:23.194 removal and one form that perhaps

00:35:23.254 --> 00:35:25.096 the most popular series is called

00:35:25.096 --> 00:35:26.924 Mohs surgery and we don't have

00:35:26.924 --> 00:35:28.409 a most surgeon here tonight.

00:35:28.410 --> 00:35:29.945 But it's very nifty technique

00:35:29.945 --> 00:35:31.480 where you go to one.

00:35:31.480 --> 00:35:33.657 One time visit for the procedure and,

00:35:33.660 --> 00:35:33.956 uh,

00:35:33.956 --> 00:35:35.436 that surgeon really removes the

00:35:35.436 --> 00:35:37.100 team were very close margins,

00:35:37.100 --> 00:35:38.954 then looks at in the microscope

00:35:38.954 --> 00:35:40.555 and tries determine if they've

00:35:40.555 --> 00:35:42.704 really cleared all the cans or not,

00:35:42.710 --> 00:35:43.463 and if not,

00:35:43.463 --> 00:35:45.645 they go right back and take a little

00:35:45.645 --> 00:35:47.781 bit more and keep looking the

00:35:47.781 --> 00:35:50.199 microphone going back and forth and really,

NOTE Confidence: 0.97572005

00:35:50.200 --> 00:35:52.066 really feel they have cleared it.

NOTE Confidence: 0.97572005

00:35:52.070 --> 00:35:54.065 And this is a really good option

NOTE Confidence: 0.97572005

00:35:54.065 --> 00:35:56.439 for for many of these early cancers,

NOTE Confidence: 0.97572005

00:35:56.440 --> 00:35:57.760 especially the small ones,

NOTE Confidence: 0.97572005

00:35:57.760 --> 00:35:59.740 especially in areas where you know

NOTE Confidence: 0.97572005

00:35:59.801 --> 00:36:01.589 the surgical defect would not be.

NOTE Confidence: 0.97572005

00:36:01.590 --> 00:36:05.517 Two cosmetic Lee, challenging from very nice.

NOTE Confidence: 0.97572005

00:36:05.520 --> 00:36:07.128 Obviously what I do is not.

NOTE Confidence: 0.97572005

00:36:07.130 --> 00:36:08.470 That is, radiation therapy is.

NOTE Confidence: 0.97572005

00:36:08.470 --> 00:36:11.228 I'll give you more detail on that.

NOTE Confidence: 0.97572005

00:36:11.230 --> 00:36:12.430 Radiation therapy is actually

NOTE Confidence: 0.97572005

00:36:12.430 --> 00:36:14.230 being used for skin cancers for

NOTE Confidence: 0.97572005

00:36:14.280 --> 00:36:15.460 well over a century now,

NOTE Confidence: 0.97572005

00:36:15.460 --> 00:36:16.870 but it's just not unnecessarily.

NOTE Confidence: 0.97572005

00:36:16.870 --> 00:36:18.175 It's widely known skin cancer

NOTE Confidence: 0.97572005

00:36:18.175 --> 00:36:20.249 is one of the very first things.

NOTE Confidence: 0.97572005

00:36:20.250 --> 00:36:22.231 The traditions even tried on to see

NOTE Confidence: 0.97572005

00:36:22.231 --> 00:36:24.238 if they could cure cancer and a lot

NOTE Confidence: 0.97572005

00:36:24.238 --> 00:36:27.020 of it is is done is what's called definitive,

NOTE Confidence: 0.97572005

00:36:27.020 --> 00:36:28.598 which is really we're being done

NOTE Confidence: 0.97572005

00:36:28.598 --> 00:36:29.979 instead of surgery when these

NOTE Confidence: 0.97572005

00:36:29.979 --> 00:36:31.364 options sometimes for more landscape

NOTE Confidence: 0.97572005

00:36:31.364 --> 00:36:33.230 to be called for post operative,

NOTE Confidence: 0.97572005

00:36:33.230 --> 00:36:35.008 where it certainly is not able to

NOTE Confidence: 0.97572005

00:36:35.008 --> 00:36:36.875 clear it or we feel like there's

NOTE Confidence: 0.97572005

00:36:36.875 --> 00:36:39.188 still a very high risk of coming back

NOTE Confidence: 0.97572005

00:36:39.188 --> 00:36:41.264 until we're giving doing the surgery.

NOTE Confidence: 0.97572005

00:36:41.270 --> 00:36:42.146 Handling radiation.

NOTE Confidence: 0.97572005

00:36:42.146 --> 00:36:45.212 Just get a sense of you know

NOTE Confidence: 0.97572005

00:36:45.212 --> 00:36:47.468 what the effectiveness is.

NOTE Confidence: 0.97572005

00:36:47.470 --> 00:36:48.289 That means treatments.

NOTE Confidence: 0.97572005

00:36:48.289 --> 00:36:50.200 There was a study of it was

NOTE Confidence: 0.9877058

00:36:50.263 --> 00:36:52.354 retrospective, meaning that no one

NOTE Confidence: 0.9877058

00:36:52.354 --> 00:36:54.739 is randomized was just going back and

NOTE Confidence: 0.9877058

00:36:54.739 --> 00:36:56.725 looking at massive numbers of people

NOTE Confidence: 0.9877058

00:36:56.725 --> 00:36:59.096 to what they got and how they did,

NOTE Confidence: 0.9877058

00:36:59.100 --> 00:37:01.684 and this was done and reported in 1989.

NOTE Confidence: 0.9877058

00:37:01.690 --> 00:37:03.300 That gives him some respect.

NOTE Confidence: 0.9877058

00:37:03.300 --> 00:37:05.940 If there this is on basal cell cancers

NOTE Confidence: 0.9877058

00:37:05.940 --> 00:37:08.597 that have not been previously treated.

NOTE Confidence: 0.9877058

00:37:08.600 --> 00:37:10.728 And you can see the the figures here,

NOTE Confidence: 0.9877058

00:37:10.730 --> 00:37:12.320 down below it at five years.

NOTE Confidence: 0.9877058

00:37:12.320 --> 00:37:13.650 The chance of keeping cancer

NOTE Confidence: 0.9877058

00:37:13.650 --> 00:37:14.980 coming back were very high,

NOTE Confidence: 0.9877058

00:37:14.980 --> 00:37:16.849 with really all the options and others.

NOTE Confidence: 0.9877058

00:37:16.850 --> 00:37:18.338 Of course selection bias here 'cause

00:37:18.338 --> 00:37:20.462 some of the one street with that they

00:37:20.462 --> 00:37:22.430 curettage would have been very very small,

00:37:22.430 --> 00:37:24.285 so it's a little hard to compare.

00:37:24.290 --> 00:37:26.418 Just get a general sense of the numbers.

00:37:26.420 --> 00:37:28.016 You can see that everything is

00:37:28.016 --> 00:37:30.556 kind of the 90% in most surgery is

00:37:30.556 --> 00:37:33.060 already with the highest year at 99.

00:37:33.060 --> 00:37:35.660 Uhm? When we look at,

00:37:35.660 --> 00:37:37.238 you know further at comparing and

00:37:37.238 --> 00:37:39.000 look a little more at radiation,

00:37:39.000 --> 00:37:40.960 we can see that in our world,

00:37:40.960 --> 00:37:42.906 how much dose you can put in,

00:37:42.910 --> 00:37:44.578 how much energy can put in,

00:37:44.580 --> 00:37:46.803 and how big the tumor is has a big

00:37:46.803 --> 00:37:48.509 impact on our chances of really

00:37:48.509 --> 00:37:50.564 getting rid of it and what the

NOTE Confidence: 0.9877058

00:37:50.564 --> 00:37:52.678 cosmetic result is going to be like.

NOTE Confidence: 0.9877058

00:37:52.680 --> 00:37:54.626 So in this trial by love it,

NOTE Confidence: 0.9877058

00:37:54.630 --> 00:37:56.485 for example, a little bit of a

NOTE Confidence: 0.9877058

00:37:56.485 --> 00:37:58.259 busy slide will talk it through.

NOTE Confidence: 0.9877058

00:37:58.260 --> 00:37:59.928 You can see in this top.

NOTE Confidence: 0.9877058

00:37:59.930 --> 00:38:01.042 So first of all,

NOTE Confidence: 0.9877058

00:38:01.042 --> 00:38:02.432 just looking at local control,

NOTE Confidence: 0.9877058

00:38:02.440 --> 00:38:04.784 if you had a small tumor less than.

NOTE Confidence: 0.9877058

00:38:04.790 --> 00:38:06.578 Centimeter chance with the basis of

NOTE Confidence: 0.9877058

00:38:06.578 --> 00:38:08.870 getting rid of it really long term is

NOTE Confidence: 0.9877058

00:38:08.870 --> 00:38:11.146 97% as it gets bigger, it gets down.

NOTE Confidence: 0.9877058

00:38:11.150 --> 00:38:13.640 In the 80s you can see if you go a

NOTE Confidence: 0.9877058

00:38:13.713 --> 00:38:16.345 little bit to the right and the FCC.

NOTE Confidence: 0.9877058

00:38:16.350 --> 00:38:17.940 That squamous cell cancer that size

NOTE Confidence: 0.9877058

00:38:17.940 --> 00:38:19.530 effect is even more prominent.

69

00:38:19.530 --> 00:38:21.595 You really want to catch those quotes

00:38:21.595 --> 00:38:23.288 about early early one more time.

00:38:23.290 --> 00:38:25.754 91% of this in the 70s and 60s

00:38:25.754 --> 00:38:27.870 to get really large one.

00:38:27.870 --> 00:38:29.676 Uh, and the same thing goes.

00:38:29.680 --> 00:38:31.486 I guess it stands to reason

00:38:31.486 --> 00:38:32.690 on the cosmetic hand.

00:38:32.690 --> 00:38:34.412 Most people at radiation here were

00:38:34.412 --> 00:38:35.928 very happy with their resulting

00:38:35.928 --> 00:38:37.196 in good or excellent,

00:38:37.200 --> 00:38:40.210 but it did relate to how big the tumor is.

00:38:40.210 --> 00:38:42.289 So you had people being thrown with

00:38:42.289 --> 00:38:44.134 their cosmic result when we're done

00:38:44.134 --> 00:38:46.071 with small tumor, but you know,

00:38:46.071 --> 00:38:48.153 still mostly happy but not as

00:38:48.153 --> 00:38:50.099 good with the bigger ones.

NOTE Confidence: 0.9877058

00:38:50.100 --> 00:38:51.936 And I couldn't stand to reason,

NOTE Confidence: 0.9877058

00:38:51.940 --> 00:38:53.776 bigger cancers and more aggressive treatment,

NOTE Confidence: 0.9877058

00:38:53.780 --> 00:38:55.929 but it's all of your choice really.

NOTE Confidence: 0.9877058

00:38:55.930 --> 00:38:59.185 Find these early and being treated fairly.

NOTE Confidence: 0.9877058

00:38:59.190 --> 00:39:01.766 There is one type of treatment at all.

NOTE Confidence: 0.9877058

00:39:01.770 --> 00:39:03.696 Show a bit more detail later,

NOTE Confidence: 0.9877058

00:39:03.700 --> 00:39:05.631 which is newer with skin, breakey,

NOTE Confidence: 0.9877058

00:39:05.631 --> 00:39:07.236 therapy and showed some pictures.

NOTE Confidence: 0.9877058

00:39:07.240 --> 00:39:10.080 But just to give a sense up to more more

NOTE Confidence: 0.9877058

00:39:10.153 --> 00:39:12.708 current data than the 1980s on this,

NOTE Confidence: 0.9877058

00:39:12.710 --> 00:39:15.094 here is a group that went back and

NOTE Confidence: 0.9877058

00:39:15.094 --> 00:39:17.207 looked at a couple 100 patients

NOTE Confidence: 0.9877058

00:39:17.207 --> 00:39:19.367 treat with Moze couple 100 done

NOTE Confidence: 0.9877058

00:39:19.436 --> 00:39:21.268 with this breaking therapy.

NOTE Confidence: 0.9877058

00:39:21.270 --> 00:39:23.436 And it is relatively short fall,

NOTE Confidence: 0.9877058

00:39:23.440 --> 00:39:25.504 but I think it's still interesting

NOTE Confidence: 0.9877058

00:39:25.504 --> 00:39:26.880 about 3 1/2 years

NOTE Confidence: 0.9829709

00:39:26.956 --> 00:39:30.283 though, is sale 99 to 100% in both groups.

NOTE Confidence: 0.9829709

00:39:30.283 --> 00:39:33.331 Had had control of this and and very

NOTE Confidence: 0.9829709

00:39:33.331 --> 00:39:35.906 high percent were thrilled with

NOTE Confidence: 0.9829709

00:39:35.906 --> 00:39:37.966 their customer consultants well.

NOTE Confidence: 0.9829709

00:39:37.970 --> 00:39:39.626 Uhm, just little bit about housework,

NOTE Confidence: 0.9829709

00:39:39.630 --> 00:39:41.506 so there are two basic styles of

NOTE Confidence: 0.9829709

00:39:41.506 --> 00:39:42.960 radiation therapy for skin cancer.

NOTE Confidence: 0.9829709

00:39:42.960 --> 00:39:44.622 You have X rays and then

NOTE Confidence: 0.9829709

00:39:44.622 --> 00:39:45.730 we called Reiki therapy.

NOTE Confidence: 0.9829709

00:39:45.730 --> 00:39:47.938 So for X rays you have a machine.

NOTE Confidence: 0.9829709

00:39:47.940 --> 00:39:49.690 This machine in the middle here is

NOTE Confidence: 0.9829709

00:39:49.690 --> 00:39:51.363 called a linear accelerator and the

NOTE Confidence: 0.9829709

00:39:51.363 --> 00:39:53.103 picture on the right shows someone

NOTE Confidence: 0.9829709

00:39:53.103 --> 00:39:54.847 who is actually a person being

NOTE Confidence: 0.9829709

00:39:54.847 --> 00:39:56.804 approved for a different type of camp

NOTE Confidence: 0.9829709

00:39:56.804 --> 00:39:58.743 or something in the head and neck.

NOTE Confidence: 0.9829709

00:39:58.750 --> 00:40:00.647 But sometimes we need a mask or

NOTE Confidence: 0.9829709

00:40:00.647 --> 00:40:02.705 some other way of holding a patient

NOTE Confidence: 0.9829709

00:40:02.705 --> 00:40:04.785 on the table so they're still and

NOTE Confidence: 0.9829709

00:40:04.785 --> 00:40:06.777 the X rays are going to spot that.

NOTE Confidence: 0.9829709

00:40:06.780 --> 00:40:08.260 We're directing them to.

NOTE Confidence: 0.9829709

00:40:08.260 --> 00:40:11.867 And this is going to be done with X rays.

NOTE Confidence: 0.9829709

00:40:11.870 --> 00:40:13.795 They're similar to what's in a chest

NOTE Confidence: 0.9829709

00:40:13.795 --> 00:40:16.084 X ray machine or cat scanner or

NOTE Confidence: 0.9829709

00:40:16.084 --> 00:40:17.488 another version called electrons.

NOTE Confidence: 0.9829709

00:40:17.490 --> 00:40:19.464 Electrons are cousin of X rays that

NOTE Confidence: 0.9829709

00:40:19.464 --> 00:40:21.714 can be shot directly at a person

NOTE Confidence: 0.9829709

00:40:21.714 --> 00:40:23.730 that just doesn't penetrate as far.

NOTE Confidence: 0.9829709

00:40:23.730 --> 00:40:25.290 So actually go right through.

NOTE Confidence: 0.9829709

00:40:25.290 --> 00:40:27.439 You have to be careful how we're

NOTE Confidence: 0.9829709

00:40:27.439 --> 00:40:28.720 shaving and angling them.

NOTE Confidence: 0.9829709

00:40:28.720 --> 00:40:30.526 Electrons will only go to a

NOTE Confidence: 0.9829709

00:40:30.526 --> 00:40:32.460 certain depth and then we'll stop.

NOTE Confidence: 0.9829709

00:40:32.460 --> 00:40:33.708 So it's especially effective

NOTE Confidence: 0.9829709

00:40:33.708 --> 00:40:34.644 for skin cancers.

NOTE Confidence: 0.9829709

00:40:34.650 --> 00:40:35.470 Were course,

NOTE Confidence: 0.9829709

00:40:35.470 --> 00:40:37.110 we're mainly looking to

NOTE Confidence: 0.9829709

00:40:37.110 --> 00:40:38.340 treatment through superficial.

NOTE Confidence: 0.9829709

00:40:38.340 --> 00:40:40.194 Breaky therapy is a different idea

NOTE Confidence: 0.9829709

00:40:40.194 --> 00:40:41.990 and break you therapy for skin.

NOTE Confidence: 0.9829709

00:40:41.990 --> 00:40:43.210 You have these bells,

NOTE Confidence: 0.9829709

00:40:43.210 --> 00:40:45.040 or these applicators here and they

NOTE Confidence: 0.9829709

00:40:45.103 --> 00:40:46.849 get placed directly on the spot.

NOTE Confidence: 0.9829709

00:40:46.850 --> 00:40:49.586 So and that's the picture on the lower right.

NOTE Confidence: 0.9829709

00:40:49.590 --> 00:40:51.501 This person is in the mass and

NOTE Confidence: 0.9829709

00:40:51.501 --> 00:40:53.527 said lesion on the scalp and this

NOTE Confidence: 0.9829709

00:40:53.527 --> 00:40:55.645 just rest gently on the skin and

NOTE Confidence: 0.9829709

00:40:55.645 --> 00:40:57.685 there's a radioactive piece of metal

NOTE Confidence: 0.9829709

00:40:57.685 --> 00:40:59.926 over idiom that is kind of snakes.

NOTE Confidence: 0.9829709

00:40:59.926 --> 00:41:01.750 Through Catherine goes into the bells.

NOTE Confidence: 0.9829709

00:41:01.750 --> 00:41:03.270 It's never touching the person,

NOTE Confidence: 0.9829709

00:41:03.270 --> 00:41:05.694 but it's in that balance is shining there.

NOTE Confidence: 0.9829709

00:41:05.700 --> 00:41:07.355 Radiation down on the skin

NOTE Confidence: 0.9829709

00:41:07.355 --> 00:41:08.679 as a different way.

NOTE Confidence: 0.9829709

00:41:08.680 --> 00:41:11.480 Of applying radiation if we're using X rays,

NOTE Confidence: 0.9829709

00:41:11.480 --> 00:41:14.880 we have a really a broad range of what we

NOTE Confidence: 0.9829709

00:41:14.971 --> 00:41:18.130 can do in terms of the shape and size,

NOTE Confidence: 0.9829709

00:41:18.130 --> 00:41:20.580 or really almost no limit on that.

NOTE Confidence: 0.9829709

00:41:20.580 --> 00:41:23.485 For Reiki therapy, we just have these

NOTE Confidence: 0.9829709

00:41:23.485 --> 00:41:25.190 three different applicator sizes.

NOTE Confidence: 0.9829709

00:41:25.190 --> 00:41:26.400 And they are totally round.

NOTE Confidence: 0.9829709

00:41:26.400 --> 00:41:28.080 So and they had to be placed

NOTE Confidence: 0.9829709

00:41:28.080 --> 00:41:28.560 flattening service.

NOTE Confidence: 0.9829709

00:41:28.560 --> 00:41:29.476 So we're treating someone.

NOTE Confidence: 0.9829709

00:41:29.476 --> 00:41:31.643 But then the tip of the nose where you

NOTE Confidence: 0.9829709

00:41:31.643 --> 00:41:33.137 can't quite put a flat applicator.

NOTE Confidence: 0.9829709

00:41:33.140 --> 00:41:34.586 It doesn't work out as well,

NOTE Confidence: 0.9829709

00:41:34.590 --> 00:41:36.561 but on the side of the nose or the

NOTE Confidence: 0.9829709

00:41:36.561 --> 00:41:38.378 chief or head or leg or shoulder

NOTE Confidence: 0.9829709

00:41:38.378 --> 00:41:39.406 can work quite well.

NOTE Confidence: 0.97786003

00:41:41.480 --> 00:41:43.552 Uh, in terms of number trains are

NOTE Confidence: 0.97786003

00:41:43.552 --> 00:41:45.070 talking bout Mosey for Moses,

NOTE Confidence: 0.97786003

00:41:45.070 --> 00:41:47.454 more of a you know one day procedures,

NOTE Confidence: 0.97786003

00:41:47.460 --> 00:41:48.508 something nice about it,

NOTE Confidence: 0.97786003

00:41:48.508 --> 00:41:50.466 but then you know is a surgery

NOTE Confidence: 0.97786003

00:41:50.466 --> 00:41:52.111 and sometimes the feeling from

NOTE Confidence: 0.97786003

00:41:52.111 --> 00:41:54.040 the wound and things like that.

NOTE Confidence: 0.97786003

00:41:54.040 --> 00:41:55.670 Radiations a different idea is

NOTE Confidence: 0.97786003

00:41:55.670 --> 00:41:56.974 usually multiple visits there

NOTE Confidence: 0.97786003

00:41:56.974 --> 00:41:58.638 short visits but multiple and for

NOTE Confidence: 0.97786003

00:41:58.638 --> 00:42:00.320 let's say a medium sized cancer.

NOTE Confidence: 0.97786003

00:42:00.320 --> 00:42:01.524 You can see there.

NOTE Confidence: 0.97786003

00:42:01.524 --> 00:42:03.738 This table shows a bunch of different

NOTE Confidence: 0.97786003

00:42:03.738 --> 00:42:06.076 options from 1:00 to 3:00 to 5:00

NOTE Confidence: 0.97786003

00:42:06.076 --> 00:42:08.390 to 8:00 all the way to 30 to 35.

NOTE Confidence: 0.97786003

00:42:08.390 --> 00:42:11.153 But the most common regimen is is usually 20.

NOTE Confidence: 0.97786003

00:42:11.160 --> 00:42:12.726 Sessions and those are 15 minutes

NOTE Confidence: 0.97786003

00:42:12.726 --> 00:42:14.238 per session, then Monday to Friday,

NOTE Confidence: 0.97786003

00:42:14.238 --> 00:42:16.120 so it's usually a four week course.

NOTE Confidence: 0.97786003

00:42:16.120 --> 00:42:18.216 For most things we do and our machines

NOTE Confidence: 0.97786003

00:42:18.216 --> 00:42:19.769 operate from about 8:00 to 5:00,

NOTE Confidence: 0.97786003

00:42:19.770 --> 00:42:22.082 and so we find a 15 minute time

NOTE Confidence: 0.97786003

00:42:22.082 --> 00:42:23.938 slot that works for people.

NOTE Confidence: 0.97786003

00:42:23.940 --> 00:42:25.680 Bring them and and just get

NOTE Confidence: 0.97786003

00:42:25.680 --> 00:42:27.190 that treatment and head home.

NOTE Confidence: 0.97786003

00:42:27.190 --> 00:42:29.098 And because their X rays can't

NOTE Confidence: 0.97786003

00:42:29.098 --> 00:42:30.952 feel anything on the table so

NOTE Confidence: 0.97786003

00:42:30.952 --> 00:42:32.494 it's kind of in and out.

NOTE Confidence: 0.97786003

00:42:32.500 --> 00:42:34.586 People go about their day using the

NOTE Confidence: 0.97786003

00:42:34.586 --> 00:42:35.832 same medications and everything

NOTE Confidence: 0.97786003

00:42:35.832 --> 00:42:37.883 and our main side effect for most

NOTE Confidence: 0.97786003

00:42:37.883 --> 00:42:39.934 scanner is is we call skin reaction

NOTE Confidence: 0.97786003

00:42:39.934 --> 00:42:41.645 which looks like a temporary sunburn.

NOTE Confidence: 0.97786003

00:42:41.645 --> 00:42:43.120 It's not a sunburn really,

NOTE Confidence: 0.97786003

00:42:43.120 --> 00:42:45.550 but it has that look to it and we apply

NOTE Confidence: 0.97786003

00:42:45.619 --> 00:42:48.427 ointments and that gets better in the cancer,

NOTE Confidence: 0.97786003

00:42:48.430 --> 00:42:50.494 shrinks down and get some healing

NOTE Confidence: 0.97786003

00:42:50.494 --> 00:42:52.908 in without having a a defect there.

NOTE Confidence: 0.97786003

00:42:52.910 --> 00:42:54.576 So about 20 trees would be the

NOTE Confidence: 0.97786003

00:42:54.576 --> 00:42:55.640 stand for X rays.

NOTE Confidence: 0.97786003

00:42:55.640 --> 00:42:56.880 Breakey therapy is very different.

NOTE Confidence: 0.97786003

00:42:56.880 --> 00:42:58.386 It's actually only six treatments and

NOTE Confidence: 0.97786003

00:42:58.386 --> 00:42:59.850 instead of being Monday to Friday,

NOTE Confidence: 0.97786003

00:42:59.850 --> 00:43:01.834 they get a little more spread out there.

NOTE Confidence: 0.97786003

00:43:01.840 --> 00:43:03.430 Usually two treatments for weeks on

NOTE Confidence: 0.97786003

00:43:03.430 --> 00:43:05.466 my clinic I usually do them on Mondays

NOTE Confidence: 0.97786003

00:43:05.466 --> 00:43:07.142 and Thursdays and so and they take

NOTE Confidence: 0.97786003

00:43:07.142 --> 00:43:09.022 I'd say closer to about 1/2 hour visit,

NOTE Confidence: 0.97786003

00:43:09.030 --> 00:43:10.512 although the actual time of each

NOTE Confidence: 0.97786003

00:43:10.512 --> 00:43:12.249 treatment going up four or five minutes.

NOTE Confidence: 0.97786003

00:43:12.250 --> 00:43:15.186 The rest I'm just going to set up.

NOTE Confidence: 0.97786003

00:43:15.190 --> 00:43:18.050 And sharing looks perfect.

NOTE Confidence: 0.97786003

00:43:18.050 --> 00:43:20.102 Just give us a couple quick

NOTE Confidence: 0.97786003

00:43:20.102 --> 00:43:21.860 examples of some outcomes here.

NOTE Confidence: 0.97786003

00:43:21.860 --> 00:43:22.907 Shows some pictures,

NOTE Confidence: 0.97786003

00:43:22.907 --> 00:43:24.303 so hopefully the pictures

NOTE Confidence: 0.97786003

00:43:24.303 --> 00:43:25.660 aren't too offputting here.

NOTE Confidence: 0.97786003

00:43:25.660 --> 00:43:28.252 Here's an example of a 9 year old lady

NOTE Confidence: 0.97786003

00:43:28.252 --> 00:43:30.377 with a squamous cell cancer quite

NOTE Confidence: 0.97786003

00:43:30.377 --> 00:43:32.985 large over her wrist and you think

NOTE Confidence: 0.97786003

00:43:32.985 --> 00:43:35.271 about treatment options as we very

NOTE Confidence: 0.97786003

00:43:35.271 --> 00:43:37.954 difficult to do surgery in a 9 year

NOTE Confidence: 0.97786003

00:43:37.954 --> 00:43:41.229 old lady for skin like any nine year 2010,

NOTE Confidence: 0.97786003

00:43:41.230 --> 00:43:44.530 this defect be hard to close and so I was

NOTE Confidence: 0.97786003

00:43:44.610 --> 00:43:47.904 called to treat this one and by the very.

NOTE Confidence: 0.97786003

00:43:47.910 --> 00:43:50.661 Last treatment you can see that the

NOTE Confidence: 0.97786003

00:43:50.661 --> 00:43:52.974 cancer has disappeared and you have

NOTE Confidence: 0.97786003

00:43:52.974 --> 00:43:55.098 this sunburn patch over her wrist.

NOTE Confidence: 0.97786003

00:43:55.100 --> 00:43:57.436 And I saw her back at three months.

NOTE Confidence: 0.97786003

00:43:57.440 --> 00:43:58.928 There's a slight discoloration

NOTE Confidence: 0.97786003

00:43:58.928 --> 00:44:00.788 of skin cancer still gone.

NOTE Confidence: 0.97786003

00:44:00.790 --> 00:44:02.608 And very very happy with him.

NOTE Confidence: 0.97786003

00:44:02.610 --> 00:44:03.086 It's all.

NOTE Confidence: 0.97786003

00:44:03.086 --> 00:44:03.324 Uh,

NOTE Confidence: 0.97786003

00:44:03.324 --> 00:44:04.990 we get called a bunch of other

NOTE Confidence: 0.97786003

00:44:05.049 --> 00:44:06.771 before and after examples here so

NOTE Confidence: 0.97786003

00:44:06.771 --> 00:44:08.581 we don't always get called for

NOTE Confidence: 0.97786003

00:44:08.581 --> 00:44:10.399 large things on the smaller things

NOTE Confidence: 0.97786003

00:44:10.399 --> 00:44:12.162 beyond the bridge of the nose,

NOTE Confidence: 0.97786003

00:44:12.162 --> 00:44:14.904 like the lady in the top left or an

NOTE Confidence: 0.97786003

00:44:14.904 --> 00:44:17.102 eyelid more advanced one like the tip

NOTE Confidence: 0.9754853

00:44:17.176 --> 00:44:19.796 of the nose to the top right or the lip.

NOTE Confidence: 0.9754853

00:44:19.800 --> 00:44:22.344 Patient denies a lot of facial ones here,

NOTE Confidence: 0.9754853

00:44:22.350 --> 00:44:24.506 but really these can be done all

NOTE Confidence: 0.9754853

00:44:24.506 --> 00:44:26.811 over the body and and because of

NOTE Confidence: 0.9754853

00:44:26.811 --> 00:44:29.050 where these things tend to pop up,

NOTE Confidence: 0.9754853

00:44:29.050 --> 00:44:31.594 then I've got more pictures from the face,

NOTE Confidence: 0.9754853

00:44:31.600 --> 00:44:34.790 but it's coming to treat on on the leg arm,

NOTE Confidence: 0.9754853

00:44:34.790 --> 00:44:36.390 shoulder really, really anywhere from.

NOTE Confidence: 0.97785103

00:44:38.650 --> 00:44:40.715 I'll give one other example of bones,

NOTE Confidence: 0.97785103

00:44:40.720 --> 00:44:42.200 diseases, squamous cell carcinoma insight,

NOTE Confidence: 0.97785103

00:44:42.200 --> 00:44:44.387 two so this is an earlier I guess a

NOTE Confidence: 0.97785103

00:44:44.387 --> 00:44:46.639 less deep version of squamous cancer.

NOTE Confidence: 0.97785103

00:44:46.640 --> 00:44:49.277 It's like can't see me with this area almost

NOTE Confidence: 0.97785103

00:44:49.277 --> 00:44:51.664 like a a buildup of plaque or scabbing,

NOTE Confidence: 0.97785103

00:44:51.670 --> 00:44:53.749 as it looked like on her foot.

NOTE Confidence: 0.97785103

00:44:53.750 --> 00:44:56.374 And you can see in this left side

NOTE Confidence: 0.97785103

00:44:56.374 --> 00:44:58.500 they really spread quite a bit.

NOTE Confidence: 0.97785103

00:44:58.500 --> 00:45:00.318 And she's a very tricky situation

NOTE Confidence: 0.97785103

00:45:00.318 --> 00:45:02.408 that to cut this out would have

NOTE Confidence: 0.97785103

00:45:02.408 --> 00:45:04.312 been a big defect on her foot.

NOTE Confidence: 0.97785103

00:45:04.320 --> 00:45:06.020 She had circulation issues to

NOTE Confidence: 0.97785103

00:45:06.020 --> 00:45:08.407 begin with and would have been a

NOTE Confidence: 0.97785103

00:45:08.407 --> 00:45:10.570 very long healing and I'm kind of

NOTE Confidence: 0.97785103

00:45:10.570 --> 00:45:12.249 uncertain to how to close that.

NOTE Confidence: 0.97785103

00:45:12.250 --> 00:45:15.754 And uhm, luckily for through this there is

NOTE Confidence: 0.97785103

00:45:15.754 --> 00:45:19.228 a radiation option which uses a lower dose.

NOTE Confidence: 0.97785103

00:45:19.230 --> 00:45:21.252 Radiation and the full full cancers

NOTE Confidence: 0.97785103

00:45:21.252 --> 00:45:23.549 and the middle picture is how we

NOTE Confidence: 0.97785103

00:45:23.549 --> 00:45:25.034 immobilized her foot and ankle.

NOTE Confidence: 0.97785103

00:45:25.040 --> 00:45:27.462 So we could make sure we're getting

NOTE Confidence: 0.97785103

00:45:27.462 --> 00:45:29.584 a consistent set up and at one

NOTE Confidence: 0.97785103

00:45:29.584 --> 00:45:32.284 month we see that the we had a great

NOTE Confidence: 0.97785103

00:45:32.284 --> 00:45:33.768 outcome and it disappeared.

NOTE Confidence: 0.97785103

00:45:33.770 --> 00:45:35.779 She had just a very modest sunburn

NOTE Confidence: 0.97785103

00:45:35.779 --> 00:45:37.815 feeling on her foot and was

NOTE Confidence: 0.97785103

00:45:37.815 --> 00:45:38.928 absolutely thrilled with.

NOTE Confidence: 0.97785103

00:45:38.930 --> 00:45:40.868 We will manage it without surgery.

NOTE Confidence: 0.97309697

00:45:43.290 --> 00:45:46.930 So thank you for your time and sit for my

NOTE Confidence: 0.97309697

00:45:47.024 --> 00:45:50.664 slides there and let me see if I can get.

NOTE Confidence: 0.97309697

00:45:50.670 --> 00:45:55.330 Back up to our questions.

NOTE Confidence: 0.97309697

00:45:55.330 --> 00:45:57.306 This is a good time if you haven't

NOTE Confidence: 0.97309697

00:45:57.306 --> 00:45:58.870 typed anything in another question,

NOTE Confidence: 0.97309697

00:45:58.870 --> 00:46:01.230 please, please do so.

NOTE Confidence: 0.97309697

00:46:01.230 --> 00:46:06.810 We have one. Question here maybe?

NOTE Confidence: 0.97309697

00:46:06.810 --> 00:46:07.785 For Doctor Khan,

NOTE Confidence: 0.97309697

00:46:07.785 --> 00:46:09.410 where the question was lost,

NOTE Confidence: 0.97309697

00:46:09.410 --> 00:46:11.922 the thing of it, but it basically someone

NOTE Confidence: 0.97309697

00:46:11.922 --> 00:46:14.286 who had a Melanoma some years ago.

NOTE Confidence: 0.97309697

84

00:46:14.290 --> 00:46:16.138 I think it said seven years

NOTE Confidence: 0.97309697

00:46:16.138 --> 00:46:17.860 ago what at this point,

NOTE Confidence: 0.97309697

00:46:17.860 --> 00:46:19.315 what's the chance that could

NOTE Confidence: 0.97309697

00:46:19.315 --> 00:46:21.214 still come back or risk of

NOTE Confidence: 0.97309697

00:46:21.214 --> 00:46:22.738 something popping up elsewhere?

NOTE Confidence: 0.97309697

00:46:22.740 --> 00:46:25.008 Or how should they follow this up?

NOTE Confidence: 0.98491997

00:46:28.920 --> 00:46:31.614 Repeat that again Bruce. Ah, OK,

NOTE Confidence: 0.98491997

00:46:31.614 --> 00:46:33.830 I was gonna direct this to Doctor Khan,

NOTE Confidence: 0.98491997

00:46:33.830 --> 00:46:36.026 but if this is a if you have a

NOTE Confidence: 0.98491997

00:46:36.026 --> 00:46:37.709 Melanoma about seven years ago,

NOTE Confidence: 0.98491997

00:46:37.710 --> 00:46:38.374 successfully treated.

NOTE Confidence: 0.98491997

00:46:38.374 --> 00:46:40.366 And doesn't seem to be back.

NOTE Confidence: 0.98491997

00:46:40.370 --> 00:46:41.510 What's the chance that it

NOTE Confidence: 0.98491997

00:46:41.510 --> 00:46:42.650 could still come back now?

NOTE Confidence: 0.98491997

00:46:42.650 --> 00:46:44.281 And what kind of fault should have

NOTE Confidence: 0.98491997

00:46:44.281 --> 00:46:46.069 there or for the rest of the body?

NOTE Confidence: 0.96590877

00:46:46.690 --> 00:46:48.778 Got it 'cause I thought you

NOTE Confidence: 0.96590877

00:46:48.778 --> 00:46:50.670 said Doctor Connor so so uh,

NOTE Confidence: 0.96590877

00:46:50.670 --> 00:46:52.330 so we sound similar, right?

NOTE Confidence: 0.96590877

00:46:52.330 --> 00:46:55.390 Connor Connor so so we.

NOTE Confidence: 0.96590877

00:46:55.390 --> 00:46:57.766 So you know. So what we tell our

NOTE Confidence: 0.96590877

00:46:57.766 --> 00:46:59.788 patients is that they should so,

NOTE Confidence: 0.96590877

00:46:59.790 --> 00:47:00.958 so I guess specifically,

NOTE Confidence: 0.96590877

00:47:00.958 --> 00:47:03.079 this question is so we tell our

NOTE Confidence: 0.96590877

00:47:03.079 --> 00:47:04.599 patients that for the first

NOTE Confidence: 0.96590877

00:47:04.599 --> 00:47:06.380 five years they should continue.

NOTE Confidence: 0.96590877

00:47:06.380 --> 00:47:08.529 You know, for early stage Melanoma they

NOTE Confidence: 0.96590877

00:47:08.529 --> 00:47:10.780 should see someone in our Melanoma program.

NOTE Confidence: 0.96590877

00:47:10.780 --> 00:47:12.724 They should continue to see the

NOTE Confidence: 0.96590877

00:47:12.724 --> 00:47:14.858 dermatologist for the rest of their life.

NOTE Confidence: 0.96590877

00:47:14.860 --> 00:47:17.530 So and the reason for that is you know once

NOTE Confidence: 0.96590877

00:47:17.592 --> 00:47:20.196 an individual has a diagnosis of Melanoma,

NOTE Confidence: 0.96590877

00:47:20.200 --> 00:47:22.216 we tell them there are eight to 10

NOTE Confidence: 0.96590877

00:47:22.216 --> 00:47:24.329 full risk higher than the general

NOTE Confidence: 0.96590877

00:47:24.329 --> 00:47:26.269 population to develop Melanoma again.

NOTE Confidence: 0.96590877

00:47:26.270 --> 00:47:28.762 In their lifetime that can be at

NOTE Confidence: 0.96590877

00:47:28.762 --> 00:47:31.330 the same location or could be a

NOTE Confidence: 0.96590877

00:47:31.330 --> 00:47:33.466 different tumor or a different site.

NOTE Confidence: 0.96590877

00:47:33.470 --> 00:47:36.166 So so the answer to the first question

NOTE Confidence: 0.96590877

00:47:36.166 --> 00:47:39.230 is it can come back seven years out,

NOTE Confidence: 0.96590877

00:47:39.230 --> 00:47:41.750 but for early stage Melanoma less common,

NOTE Confidence: 0.96590877

00:47:41.750 --> 00:47:43.910 more likely that something a new

NOTE Confidence: 0.96590877

00:47:43.910 --> 00:47:45.350 lesion might may develop.

NOTE Confidence: 0.96590877

00:47:45.350 --> 00:47:47.020 That's the reason for the

NOTE Confidence: 0.96590877

00:47:47.020 --> 00:47:49.148 dermatology follow up and if you

NOTE Confidence: 0.96590877

00:47:49.148 --> 00:47:51.108 have more advanced stage Melanoma,

NOTE Confidence: 0.96590877

00:47:51.110 --> 00:47:53.581 there is a chance that melanomas can

NOTE Confidence: 0.96590877

00:47:53.581 --> 00:47:56.277 return it distant sites depending on this.

NOTE Confidence: 0.96590877

00:47:56.280 --> 00:47:58.920 Initial stage of the tumor.

NOTE Confidence: 0.96590877

00:47:58.920 --> 00:48:00.690 I know Doctor Connors that consistent

NOTE Confidence: 0.96590877

00:48:00.690 --> 00:48:02.502 with what you tell your patients

NOTE Confidence: 0.96590877

00:48:02.502 --> 00:48:04.236 too because we always ask our

NOTE Confidence: 0.96590877

00:48:04.236 --> 00:48:05.928 patients to see you for forever.

NOTE Confidence: 0.96590877

00:48:05.930 --> 00:48:08.258 But we stick with our oncology follow up,

NOTE Confidence: 0.96590877

00:48:08.260 --> 00:48:10.290 you know basically 5 to 10 years

NOTE Confidence: 0.96590877

00:48:10.290 --> 00:48:12.348 depending on the stage of the tumor.

NOTE Confidence: 0.9882454

00:48:15.750 --> 00:48:19.766 Yes, it is consistent with what I recommend.

NOTE Confidence: 0.9882454

00:48:19.770 --> 00:48:22.731 Uh, the first couple of years after

NOTE Confidence: 0.9882454

00:48:22.731 --> 00:48:25.060 an invasive Melanoma is diagnosed,

NOTE Confidence: 0.9882454

00:48:25.060 --> 00:48:29.180 I I I generally see the patients every

NOTE Confidence: 0.9882454

00:48:29.180 --> 00:48:32.302 four months. And after two years,

NOTE Confidence: 0.9882454

00:48:32.302 --> 00:48:36.630 Will will frequently go to every six months.

NOTE Confidence: 0.9882454

00:48:36.630 --> 00:48:40.165 But I see them. Indefinitely and I

00:48:40.165 --> 00:48:43.435 have had considerable who many years

00:48:43.435 --> 00:48:46.200 later developed a second Melanoma.

00:48:46.200 --> 00:48:50.076 I mean, I, I early in my practice, I had a

00:48:50.076 --> 00:48:53.170 young man who was a student at Dartmouth.

00:48:53.170 --> 00:48:54.430 He was an undergraduate.

00:48:54.430 --> 00:48:56.908 He had a Melanoma on his anterior

00:48:56.908 --> 00:48:58.951 right shoulder. He moved away.

00:48:58.951 --> 00:49:01.310 He comes to see me now every

00:49:01.390 --> 00:49:03.820 six months and three years ago.

00:49:03.820 --> 00:49:05.176 This is 25 years.

00:49:05.176 --> 00:49:07.702 For here he had a second Melanoma

00:49:07.702 --> 00:49:09.318 on his mid back.

00:49:09.320 --> 00:49:13.118 So we look at them forever.

00:49:13.120 --> 00:49:15.406 And they are frequently people who

00:49:15.406 --> 00:49:17.684 have had non Melanoma skin cancers

00:49:17.684 --> 00:49:20.064 and you find plenty of them too.

00:49:20.070 --> 00:49:21.900 And that same patient group.

00:49:21.900 --> 00:49:23.730 So we we absolutely should

00:49:23.730 --> 00:49:24.828 follow them faithfully.

00:49:24.830 --> 00:49:26.750 Whether after the initial diagnosis

00:49:26.750 --> 00:49:29.957 follow up at three or four or six month,

00:49:29.960 --> 00:49:31.280 that's a debated issue,

00:49:31.280 --> 00:49:33.778 but I think four months is reasonable

00:49:33.778 --> 00:49:35.574 initially and then transitioning

00:49:35.574 --> 00:49:38.466 if things are going well to six

00:49:38.466 --> 00:49:40.200 months in a couple of years.

00:49:42.170 --> 00:49:44.270 And as a follow up for yes.

00:49:44.270 --> 00:49:46.125 Well we do 2 for our surveillance

00:49:46.125 --> 00:49:48.094 is every six months for the first

00:49:48.094 --> 00:49:50.192 two to three years and then annually

00:49:50.192 --> 00:49:52.067 thereafter up until year five,

NOTE Confidence: 0.98561233

00:49:52.070 --> 00:49:53.720 unless they have more advanced disease

NOTE Confidence: 0.98561233

00:49:53.720 --> 00:49:55.968 and if they have more advanced disease,

NOTE Confidence: 0.98561233

00:49:55.970 --> 00:49:57.770 will tighten it up to maybe

NOTE Confidence: 0.98561233

00:49:57.770 --> 00:49:58.970 four months or so.

NOTE Confidence: 0.98561233

00:49:58.970 --> 00:50:00.325 And that's usually our medical

NOTE Confidence: 0.98561233

00:50:00.325 --> 00:50:02.034 oncologists tend to follow those patients

NOTE Confidence: 0.98561233

00:50:02.034 --> 00:50:03.564 because sometimes those patients are

NOTE Confidence: 0.98561233

00:50:03.564 --> 00:50:05.477 patients were debating on should they

NOTE Confidence: 0.98561233

00:50:05.477 --> 00:50:06.769 get immune checkpoint inhibitors.

NOTE Confidence: 0.98561233

00:50:06.770 --> 00:50:08.030 Should they be getting?

NOTE Confidence: 0.98561233

00:50:08.030 --> 00:50:09.920 Are these qualifying for clinical trials

NOTE Confidence: 0.98561233

00:50:09.977 --> 00:50:11.944 so that our medical oncologists tend to.

NOTE Confidence: 0.98561233

00:50:11.950 --> 00:50:13.357 All the little bit more tightly than

NOTE Confidence: 0.98561233

00:50:13.357 --> 00:50:15.093 we do just because they tend to see

NOTE Confidence: 0.98561233

00:50:15.093 --> 00:50:16.570 more of the advanced stage disease.

NOTE Confidence: 0.98561233

00:50:17.460 --> 00:50:19.280 Yeah.

NOTE Confidence: 0.9550753

00:50:19.280 --> 00:50:21.540 As I've got another question

NOTE Confidence: 0.9550753

00:50:21.540 --> 00:50:23.348 for Doctor Connors here,

NOTE Confidence: 0.9550753

00:50:23.350 --> 00:50:26.612 do all skin cancers appear or do

NOTE Confidence: 0.9550753

00:50:26.612 --> 00:50:29.353 skin cancer sometimes appear on areas

NOTE Confidence: 0.9550753

00:50:29.353 --> 00:50:33.010 not exposed to the skin? Absolutely.

NOTE Confidence: 0.98820883

00:50:33.010 --> 00:50:36.202 So they certainly the preponderance our own

NOTE Confidence: 0.98820883

00:50:36.202 --> 00:50:39.582 at least relatively exposed skin as your

NOTE Confidence: 0.98820883

00:50:39.582 --> 00:50:43.370 slide demonstrated, there's a tremendous.

NOTE Confidence: 0.98820883

00:50:43.370 --> 00:50:45.866 Predilection for skin, non Melanoma skin,

NOTE Confidence: 0.98820883

00:50:45.870 --> 00:50:49.196 cancer from the neck up, but there's no

NOTE Confidence: 0.98820883

00:50:49.196 --> 00:50:52.959 area on the skin where I haven't found it.

NOTE Confidence: 0.98820883

00:50:52.960 --> 00:50:55.879 I'm talking the bottom of the foot,

NOTE Confidence: 0.98820883

00:50:55.880 --> 00:50:58.148 the covered genital areas and the

NOTE Confidence: 0.98820883

00:50:58.148 --> 00:51:01.086 hairy scalp where I haven't found both

NOTE Confidence: 0.98820883

00:51:01.086 --> 00:51:03.792 Melanoma and non Melanoma skin cancer.

NOTE Confidence: 0.98820883

00:51:03.800 --> 00:51:06.146 Melanoma is probably of the three

NOTE Confidence: 0.98820883

00:51:06.146 --> 00:51:08.390 major basels claimers in Melanoma,

NOTE Confidence: 0.98820883

00:51:08.390 --> 00:51:11.066 had the highest percentage that occur

NOTE Confidence: 0.98820883

00:51:11.066 --> 00:51:13.900 on at least relatively covered skin.

NOTE Confidence: 0.98820883

00:51:13.900 --> 00:51:16.348 And it engendered years ago debate

NOTE Confidence: 0.98820883

00:51:16.348 --> 00:51:19.220 about well, are they really sun induced?

NOTE Confidence: 0.98820883

00:51:19.220 --> 00:51:20.856 Well, the epidemiology is

NOTE Confidence: 0.98820883

00:51:20.856 --> 00:51:23.310 overwhelmingly in favor of the sun.

NOTE Confidence: 0.98820883

00:51:23.310 --> 00:51:26.166 Be the major factor I mentioned earlier,

NOTE Confidence: 0.98820883

00:51:26.170 --> 00:51:27.798 Australia in America, Phoenix,

NOTE Confidence: 0.98820883

00:51:27.798 --> 00:51:30.240 AZ has often led the country

NOTE Confidence: 0.98820883

00:51:30.309 --> 00:51:32.309 in the incidence of Melanoma.

NOTE Confidence: 0.98820883

00:51:32.310 --> 00:51:34.758 So for the preponderance of Melanoma,

NOTE Confidence: 0.98820883

00:51:34.760 --> 00:51:37.616 yes, it's sun. But there are exceptions.

NOTE Confidence: 0.98820883

00:51:37.620 --> 00:51:39.256 No question about it.

NOTE Confidence: 0.98820883

00:51:39.256 --> 00:51:41.710 I had a secretary for years,

NOTE Confidence: 0.98820883

00:51:41.710 --> 00:51:44.040 lovely lady, who's older brother.

NOTE Confidence: 0.98820883

00:51:44.040 --> 00:51:47.504 Died at a young age of a Melanoma

NOTE Confidence: 0.98820883

00:51:47.504 --> 00:51:50.970 on his scalp on a hairy scalp.

NOTE Confidence: 0.98820883

00:51:50.970 --> 00:51:52.353 No sun involved.

NOTE Confidence: 0.98820883

00:51:52.353 --> 00:51:54.197 So as you know,

NOTE Confidence: 0.98820883

00:51:54.200 --> 00:51:57.161 about 50% of melanomas have that CDKN

NOTE Confidence: 0.98820883

00:51:57.161 --> 00:52:00.494 2A mutation and that can occur without

NOTE Confidence: 0.98820883

00:52:00.494 --> 00:52:02.974 any requirement for sun exposure.

NOTE Confidence: 0.98820883

00:52:02.980 --> 00:52:05.290 So undoubtedly the proper skin

NOTE Confidence: 0.98820883

00:52:05.290 --> 00:52:07.138 exam for skin cancer.

NOTE Confidence: 0.9821955

00:52:09.210 --> 00:52:10.760 Looks at all the skin.

NOTE Confidence: 0.9821955

00:52:10.760 --> 00:52:12.060 That's what it every.

NOTE Confidence: 0.9821955

00:52:12.060 --> 00:52:14.346 Every now I limit that some with

NOTE Confidence: 0.9821955

00:52:14.346 --> 00:52:16.466 women men know or you come to me

NOTE Confidence: 0.9821955

94

00:52:16.466 --> 00:52:18.755 as a man I'm gonna see everything

NOTE Confidence: 0.9821955

00:52:18.755 --> 00:52:20.873 with women we make sure there are

NOTE Confidence: 0.9821955

00:52:20.873 --> 00:52:22.770 areas that I don't see a check

NOTE Confidence: 0.9821955

00:52:22.830 --> 00:52:24.515 by the appropriate doctors but

NOTE Confidence: 0.9821955

00:52:24.515 --> 00:52:26.571 but there's no terrain on us

NOTE Confidence: 0.9821955

00:52:26.571 --> 00:52:28.425 that can't develop a skin cancer.

NOTE Confidence: 0.92954874

00:52:30.900 --> 00:52:33.308 Just like dumb one question I I'll

NOTE Confidence: 0.92954874

00:52:33.308 --> 00:52:35.648 answer dude basal cell and screaming

NOTE Confidence: 0.92954874

00:52:35.648 --> 00:52:37.713 cell cancers turn into melanos,

NOTE Confidence: 0.92954874

00:52:37.720 --> 00:52:39.034 especially not really.

NOTE Confidence: 0.92954874

00:52:39.034 --> 00:52:41.662 An answer is no that these

NOTE Confidence: 0.92954874

00:52:41.662 --> 00:52:43.669 are distinct entities.

NOTE Confidence: 0.92954874

00:52:43.670 --> 00:52:45.188 You know there may be some

NOTE Confidence: 0.92954874

00:52:45.188 --> 00:52:46.467 association between those who get

NOTE Confidence: 0.92954874

00:52:46.467 --> 00:52:48.007 based on some sort of get Melanoma,

NOTE Confidence: 0.92954874

00:52:48.010 --> 00:52:50.698 but the one doesn't turn into the other.

NOTE Confidence: 0.92954874

00:52:50.700 --> 00:52:53.283 Uhm? One of the good question here

NOTE Confidence: 0.92954874

00:52:53.283 --> 00:52:56.160 was if if Moses so successful?

NOTE Confidence: 0.92954874

00:52:56.160 --> 00:52:58.400 What are the scenarios when you would

NOTE Confidence: 0.92954874

00:52:58.400 --> 00:53:00.579 not offer Moe's for basal squamous?

NOTE Confidence: 0.92954874

00:53:00.580 --> 00:53:02.280 I'll give my quick answer.

NOTE Confidence: 0.92954874

00:53:02.280 --> 00:53:03.895 I'll let Doctor Connors expound

NOTE Confidence: 0.92954874

00:53:03.895 --> 00:53:06.488 born but I think the ones who come

NOTE Confidence: 0.92954874

00:53:06.488 --> 00:53:08.616 to us would say either it's because

NOTE Confidence: 0.92954874

00:53:08.686 --> 00:53:10.960 they've been through a bunch of

NOTE Confidence: 0.92954874

00:53:10.960 --> 00:53:12.783 surgical procedures like that and

NOTE Confidence: 0.92954874

00:53:12.783 --> 00:53:14.904 they they think I'm tired of being

NOTE Confidence: 0.92954874

00:53:14.904 --> 00:53:17.541 cut on or they had some cosmetic

NOTE Confidence: 0.92954874

00:53:17.541 --> 00:53:19.954 outcomes that they really didn't like

NOTE Confidence: 0.92954874

00:53:19.954 --> 00:53:22.264 and looking for a different option.

NOTE Confidence: 0.92954874

00:53:22.270 --> 00:53:23.750 Awards something where it's large

NOTE Confidence: 0.92954874

00:53:23.750 --> 00:53:26.171 enough for an area that we are can

NOTE Confidence: 0.92954874

00:53:26.171 --> 00:53:27.947 already anticipate that it's it's really

NOTE Confidence: 0.92954874

00:53:27.947 --> 00:53:29.605 gonna have an unfavorable cosmetic

NOTE Confidence: 0.92954874

00:53:29.605 --> 00:53:31.567 outcome or it's obviously going to

NOTE Confidence: 0.92954874

00:53:31.570 --> 00:53:32.910 need radiation anyway afterwards,

NOTE Confidence: 0.92954874

00:53:32.910 --> 00:53:35.258 and my eyes will just start with

NOTE Confidence: 0.92954874

00:53:35.258 --> 00:53:37.458 radiation and try to cure it without it.

NOTE Confidence: 0.92954874

00:53:37.460 --> 00:53:39.684 So that's why I see it from from

NOTE Confidence: 0.92954874

00:53:39.684 --> 00:53:41.490 my perspective with Doctor Connors.

NOTE Confidence: 0.92954874

00:53:41.490 --> 00:53:43.842 Any other kind of thoughts on

NOTE Confidence: 0.92954874

00:53:43.842 --> 00:53:46.419 on when Moses not as optimal?

NOTE Confidence: 0.92954874

00:53:46.420 --> 00:53:46.840 Well,

NOTE Confidence: 0.92954874

00:53:46.840 --> 00:53:47.260 I

NOTE Confidence: 0.9609254

00:53:47.260 --> 00:53:49.370 think we should give a

NOTE Confidence: 0.9609254

00:53:49.370 --> 00:53:51.058 little background for most,

NOTE Confidence: 0.9609254

00:53:51.060 --> 00:53:53.586 Frederick Mose was a Derma Doe,

NOTE Confidence: 0.9609254

00:53:53.590 --> 00:53:55.940 a dermatology surgeon at the

NOTE Confidence: 0.9609254

00:53:55.940 --> 00:53:58.290 University of Wisconsin 60 or

NOTE Confidence: 0.9609254

00:53:58.378 --> 00:54:01.170 so years ago and he saw lots of

NOTE Confidence: 0.9609254

00:54:01.170 --> 00:54:03.669 farmers who had lots of difficult

NOTE Confidence: 0.9609254

00:54:03.669 --> 00:54:05.819 skin can't and he developed

NOTE Confidence: 0.9609254

00:54:05.819 --> 00:54:08.360 the method of treating them by.

NOTE Confidence: 0.97304434

00:54:10.420 --> 00:54:12.910 Using frozen sections while the patient

NOTE Confidence: 0.97304434

00:54:12.910 --> 00:54:15.650 waits, he initially impregnated the

NOTE Confidence: 0.97304434

00:54:15.650 --> 00:54:19.130 lesion with the zinc chloride paste.

NOTE Confidence: 0.97304434

00:54:19.130 --> 00:54:21.370 And then brought them back the next

NOTE Confidence: 0.97304434

00:54:21.370 --> 00:54:24.033 day and it was akin to shaving a bad

NOTE Confidence: 0.97304434

00:54:24.033 --> 00:54:26.727 spot out of a banana and every little

NOTE Confidence: 0.97304434

00:54:26.727 --> 00:54:29.360 shaving was taken and looked at under

NOTE Confidence: 0.97304434

00:54:29.360 --> 00:54:31.010 the microscope using frozen section.

NOTE Confidence: 0.97304434

00:54:31.010 --> 00:54:33.236 They that evolved into the current most

NOTE Confidence: 0.97304434

00:54:33.236 --> 00:54:35.593 process with his nose in chloride paste

NOTE Confidence: 0.97304434

00:54:35.593 --> 00:54:37.603 and it's the fresh tissue technique.

NOTE Confidence: 0.97284687

00:54:39.690 --> 00:54:42.833 And it's a. It's an absolutely wonderful

NOTE Confidence: 0.97284687

00:54:42.833 --> 00:54:45.269 procedure for the right lesion.

NOTE Confidence: 0.97284687

00:54:45.270 --> 00:54:47.595 It's not meant for your

NOTE Confidence: 0.97284687

00:54:47.595 --> 00:54:49.920 routine basil or squamous cell.

NOTE Confidence: 0.97284687

00:54:49.920 --> 00:54:51.315 It's more complicated.

NOTE Confidence: 0.97284687

00:54:51.315 --> 00:54:52.710 It's more expensive.

NOTE Confidence: 0.97284687

00:54:52.710 --> 00:54:55.965 There is what I call Moe's Addiction

NOTE Confidence: 0.97284687

00:54:55.965 --> 00:54:58.934 syndrome, where people have had

NOTE Confidence: 0.97284687

00:54:58.934 --> 00:55:02.690 most insist on most for every.

NOTE Confidence: 0.97284687

00:55:02.690 --> 00:55:04.470 Basal or squamous, they have,

NOTE Confidence: 0.97284687

00:55:04.470 --> 00:55:07.378 and it's really inappropriate.

NOTE Confidence: 0.97284687

00:55:07.380 --> 00:55:10.698 But it's a wonderful technique for difficult,

NOTE Confidence: 0.97284687

00:55:10.700 --> 00:55:12.310 primary lesions,

NOTE Confidence: 0.97284687

00:55:12.310 --> 00:55:15.530 or many recurrent lesions.

99

NOTE Confidence: 0.97284687

00:55:15.530 --> 00:55:18.374 An interesting area is it's it's

NOTE Confidence: 0.97284687

00:55:18.374 --> 00:55:20.882 used for pigmented lesions and

NOTE Confidence: 0.97284687

00:55:20.882 --> 00:55:22.974 that pigmented lesions don't

NOTE Confidence: 0.97284687

00:55:22.974 --> 00:55:25.589 stain well with frozen sections,

NOTE Confidence: 0.97284687

00:55:25.590 --> 00:55:28.105 so that's been an obstacle

NOTE Confidence: 0.97284687

00:55:28.105 --> 00:55:30.620 to using it for melanomas,

NOTE Confidence: 0.97284687

00:55:30.620 --> 00:55:33.140 but it's a wonderful technique.

NOTE Confidence: 0.97284687

00:55:33.140 --> 00:55:35.144 I think. It's frequently,

NOTE Confidence: 0.97284687

00:55:35.144 --> 00:55:36.146 frankly overused.

NOTE Confidence: 0.91780823

00:55:38.390 --> 00:55:40.973 Sign one for Doctor Khan here the

NOTE Confidence: 0.91780823

00:55:40.973 --> 00:55:43.264 question is what is the mitotic

NOTE Confidence: 0.91780823

00:55:43.264 --> 00:55:45.478 rate and how is it determined?

NOTE Confidence: 0.97450614

00:55:46.490 --> 00:55:48.534 So the mitotic rate is basically how

NOTE Confidence: 0.97450614

00:55:48.534 --> 00:55:50.500 quickly the Melanoma is growing under

NOTE Confidence: 0.97450614

00:55:50.500 --> 00:55:52.230 a microscope to a dermatopathologist.

NOTE Confidence: 0.97450614

00:55:52.230 --> 00:55:54.470 So after the dermatologist does a biopsy,

NOTE Confidence: 0.97450614

00:55:54.470 --> 00:55:56.378 they send they put it on,

NOTE Confidence: 0.97450614

00:55:56.380 --> 00:55:58.630 they arrange for it to be sent to one

NOTE Confidence: 0.97450614

00:55:58.630 --> 00:56:00.447 of their dramatic pathology colleagues

NOTE Confidence: 0.97450614

00:56:00.447 --> 00:56:03.080 and they look to see how many,

NOTE Confidence: 0.97450614

00:56:03.080 --> 00:56:04.670 how quickly the microscope is,

NOTE Confidence: 0.97450614

00:56:04.670 --> 00:56:06.260 how quickly the Melanoma is

NOTE Confidence: 0.97450614

00:56:06.260 --> 00:56:07.532 growing under a microscope.

NOTE Confidence: 0.97450614

00:56:07.540 --> 00:56:09.619 And then that's a score that could

NOTE Confidence: 0.97450614

00:56:09.619 --> 00:56:12.234 be 0 and it can sometimes be in

NOTE Confidence: 0.97450614

00:56:12.234 --> 00:56:14.240 the double digits as well too.

NOTE Confidence: 0.97450614

00:56:14.240 --> 00:56:16.888 So it gives us a sense to snapshot.

NOTE Confidence: 0.97450614

00:56:16.890 --> 00:56:18.260 Picture that they're looking at,

NOTE Confidence: 0.97450614

00:56:18.260 --> 00:56:20.060 but they can get a sense of how

NOTE Confidence: 0.97450614

00:56:20.060 --> 00:56:21.850 quickly a Melanoma is growing just

NOTE Confidence: 0.97450614

00:56:21.850 --> 00:56:23.990 from looking at that mitotic rate so.

NOTE Confidence: 0.9386367

00:56:26.470 --> 00:56:29.198 Excellent UM and then a question I guess,

NOTE Confidence: 0.9386367

00:56:29.200 --> 00:56:31.587 for for either of you to this.

NOTE Confidence: 0.9386367

00:56:31.590 --> 00:56:33.570 So someone with three melanomas between

NOTE Confidence: 0.9386367

00:56:33.570 --> 00:56:35.740 1994 and 2017 and different locations

NOTE Confidence: 0.9386367

00:56:35.740 --> 00:56:37.710 being follicles every six months

NOTE Confidence: 0.9386367

00:56:37.710 --> 00:56:40.106 still trying to get a sense to what?

NOTE Confidence: 0.9386367

00:56:40.110 --> 00:56:42.156 What are the odds of having

NOTE Confidence: 0.9386367

00:56:42.156 --> 00:56:43.179 yet another Melanoma?

NOTE Confidence: 0.3587432

00:56:46.860 --> 00:56:47.820 I.

NOTE Confidence: 0.984179925

00:56:50.240 --> 00:56:53.268 It's. You get it.

NOTE Confidence: 0.984179925

00:56:53.270 --> 00:56:55.010 It might be qualified by what

NOTE Confidence: 0.984179925

00:56:55.010 --> 00:56:56.989 type of skin the patient has?

NOTE Confidence: 0.984179925

00:56:56.990 --> 00:56:58.540 What kind of sun exposure,

NOTE Confidence: 0.984179925

00:56:58.540 --> 00:57:02.187 what kind of family history they have?

NOTE Confidence: 0.984179925

00:57:02.190 --> 00:57:04.728 Are they that dysplastic nevus syndrome,

NOTE Confidence: 0.984179925

00:57:04.730 --> 00:57:08.130 where they have scores and scores of eight?

NOTE Confidence: 0.984179925

00:57:08.130 --> 00:57:08.976 Typical moles?

NOTE Confidence: 0.984179925

00:57:08.976 --> 00:57:11.514 Obviously no one can say definitively.

NOTE Confidence: 0.984179925

00:57:11.520 --> 00:57:15.327 I have had patients with up to 7 melanomas,

NOTE Confidence: 0.984179925

00:57:15.330 --> 00:57:19.474 but they are Fasken people with lots of

NOTE Confidence: 0.984179925

00:57:19.474 --> 00:57:23.745 laws and lots of past sun exposure so.

NOTE Confidence: 0.984179925

00:57:23.750 --> 00:57:26.726 The answer is we can't say for sure.

NOTE Confidence: 0.984179925

00:57:26.730 --> 00:57:28.560 Certainly that someone that patient

NOTE Confidence: 0.984179925

00:57:28.560 --> 00:57:30.840 should be examined every four months.

NOTE Confidence: 0.984179925

00:57:30.840 --> 00:57:33.444 I think rather than every six months,

NOTE Confidence: 0.984179925

00:57:33.450 --> 00:57:34.734 but that's my preference,

NOTE Confidence: 0.984179925

00:57:34.734 --> 00:57:37.550 but not no one can answer definitively,

NOTE Confidence: 0.984179925

00:57:37.550 --> 00:57:41.780 but clearly close surveillance is indicated.

NOTE Confidence: 0.984179925

00:57:41.780 --> 00:57:43.620 Only people who are just

NOTE Confidence: 0.984179925

00:57:43.620 --> 00:57:45.092 more prone to Melanoma,

NOTE Confidence: 0.984179925

00:57:45.100 --> 00:57:47.320 both those with lots of moles.

NOTE Confidence: 0.984179925

00:57:47.320 --> 00:57:49.165 The point about the patient

NOTE Confidence: 0.984179925

00:57:49.165 --> 00:57:51.378 with lots of moles is, again,

NOTE Confidence: 0.984179925

00:57:51.378 --> 00:57:53.218 most melanomas begin de Novo.

NOTE Confidence: 0.984179925

00:57:53.220 --> 00:57:55.796 They don't begin from an antecedent mole.

NOTE Confidence: 0.984179925

00:57:55.800 --> 00:57:57.284 On the other hand,

NOTE Confidence: 0.984179925

00:57:57.284 --> 00:58:00.229 people who have scores and scores of malls,

NOTE Confidence: 0.984179925

00:58:00.230 --> 00:58:01.590 both typical and atypical,

NOTE Confidence: 0.984179925

00:58:01.590 --> 00:58:04.290 are in fact more prone to Melanoma.

NOTE Confidence: 0.984179925

00:58:04.290 --> 00:58:05.762 Dysplastic nevus is not

NOTE Confidence: 0.984179925

00:58:05.762 --> 00:58:07.234 a precursor of Melanoma,

NOTE Confidence: 0.984179925

00:58:07.240 --> 00:58:09.610 but it's an indicator of an

NOTE Confidence: 0.984179925

00:58:09.610 --> 00:58:11.970 individual or after get Melanoma.

NOTE Confidence: 0.984179925

00:58:11.970 --> 00:58:13.962 And so there's something about those

NOTE Confidence: 0.984179925

00:58:13.962 --> 00:58:16.850 people who make lots of mold both benign

NOTE Confidence: 0.984179925

00:58:16.850 --> 00:58:18.725 and malignant about their melanocytes.

NOTE Confidence: 0.984179925

00:58:18.730 --> 00:58:21.215 They just inclined to proliferate

NOTE Confidence: 0.984179925

00:58:21.215 --> 00:58:25.269 both in a benign and a malignant way.

NOTE Confidence: 0.984179925

00:58:25.270 --> 00:58:29.308 So it's it's I I have, I mean, my own,

NOTE Confidence: 0.984179925

00:58:29.308 --> 00:58:32.609 my wife's family or their sister or cousin.

NOTE Confidence: 0.984179925

00:58:32.610 --> 00:58:35.058 Her father all in their melanomas.

NOTE Confidence: 0.984179925

00:58:35.060 --> 00:58:37.916 Their fair skin there of Celtic background,

NOTE Confidence: 0.984179925

00:58:37.920 --> 00:58:40.769 and they spent summers on Martha's Vineyard.

NOTE Confidence: 0.984179925

00:58:40.770 --> 00:58:43.218 So whether it's primarily genetic or

NOTE Confidence: 0.984179925

00:58:43.218 --> 00:58:45.396 primarily environmental, I don't know.

NOTE Confidence: 0.984179925

00:58:45.396 --> 00:58:48.108 But that type of person certainly

NOTE Confidence: 0.984179925

00:58:48.108 --> 00:58:50.919 is needs close surveillance.

NOTE Confidence: 0.984179925

00:58:50.920 --> 00:58:52.565 If there aren't any more questions Bruce,

NOTE Confidence: 0.984179925

00:58:52.570 --> 00:58:55.576 I might ask you a couple.

NOTE Confidence: 0.984179925

00:58:55.580 --> 00:58:56.840 Interrupting some another question.

NOTE Confidence: 0.984179925

00:58:56.840 --> 00:58:57.470 Go ahead.

NOTE Confidence: 0.984179925

00:58:57.470 --> 00:58:58.100 There's a.

NOTE Confidence: 0.98800725

00:58:58.100 --> 00:58:59.675 There's a question I think

NOTE Confidence: 0.98800725

00:58:59.675 --> 00:59:00.935 we talked about this.

NOTE Confidence: 0.98800725

00:59:00.940 --> 00:59:02.588 The increased melanin racers.

NOTE Confidence: 0.98800725

00:59:02.588 --> 00:59:05.620 I think someone wanted to just repeat.

NOTE Confidence: 0.98800725

00:59:05.620 --> 00:59:07.545 Thoughts on what's the best

NOTE Confidence: 0.98800725

00:59:07.545 --> 00:59:09.085 sunscreen you might just?

NOTE Confidence: 0.98800725

00:59:09.090 --> 00:59:11.400 I guess I'm just normal sunscreen.

NOTE Confidence: 0.96350557

00:59:11.400 --> 00:59:13.320 That's a very good question.

NOTE Confidence: 0.96350557

00:59:13.320 --> 00:59:15.707 I I can't say this science that

NOTE Confidence: 0.96350557

00:59:15.707 --> 00:59:18.330 proves one is better than another.

NOTE Confidence: 0.96350557

00:59:18.330 --> 00:59:20.970 But as I said, the the division and

NOTE Confidence: 0.96350557

00:59:20.970 --> 00:59:23.719 sunscreens is between organic and inorganic.

NOTE Confidence: 0.96350557

00:59:23.720 --> 00:59:28.109 But you know organic RR, zinc and titanium.

NOTE Confidence: 0.96350557

00:59:28.110 --> 00:59:31.046 And they're the ones that make you white.

NOTE Confidence: 0.96350557

00:59:31.050 --> 00:59:33.246 But they they work right away.

NOTE Confidence: 0.96350557

106

00:59:33.250 --> 00:59:34.714 They're now much better.

NOTE Confidence: 0.96350557

00:59:34.714 --> 00:59:36.503 Cosmetic Lee. In other words,

NOTE Confidence: 0.96350557

00:59:36.503 --> 00:59:40.218 you put on the IT takes 20 or 30 minutes.

NOTE Confidence: 0.96350557

00:59:40.220 --> 00:59:41.318 As I said,

NOTE Confidence: 0.96350557

00:59:41.318 --> 00:59:43.514 for the organic sunscreens to work,

NOTE Confidence: 0.96350557

00:59:43.520 --> 00:59:45.360 they don't pollute the water,

NOTE Confidence: 0.96350557

00:59:45.360 --> 00:59:47.926 they don't get into your bloodstream. I,

NOTE Confidence: 0.96350557

00:59:47.926 --> 00:59:50.854 I would favor a zinc or titanium sunscreen.

NOTE Confidence: 0.96350557

00:59:50.860 --> 00:59:54.334 It should be again an SPF that's 30 or

NOTE Confidence: 0.96350557

00:59:54.334 --> 00:59:57.646 higher and it should say broad spectrum.

NOTE Confidence: 0.96350557

00:59:57.650 --> 00:59:58.748 The point about.

NOTE Confidence: 0.96350557

00:59:58.748 --> 01:00:01.872 SPF is that I guess I made the

NOTE Confidence: 0.96350557

01:00:01.872 --> 01:00:04.728 point that people don't use the

NOTE Confidence: 0.96350557

01:00:04.728 --> 01:00:07.205 sunscreens nearly to the extent

NOTE Confidence: 0.96350557

01:00:07.205 --> 01:00:10.073 that the testers of sunscreens do.

NOTE Confidence: 0.96350557

01:00:10.080 --> 01:00:13.048 They use 2 milligrams per centimeter squared.

NOTE Confidence: 0.96350557

01:00:13.050 --> 01:00:16.857 We use about 1/3 or 1/4 of that typically,

NOTE Confidence: 0.96350557

01:00:16.860 --> 01:00:19.368 so there's a downside to sunscreens

NOTE Confidence: 0.96350557

01:00:19.368 --> 01:00:21.964 in that people are imbued with

NOTE Confidence: 0.96350557

01:00:21.964 --> 01:00:24.064 a false sense of security.

NOTE Confidence: 0.96350557

01:00:24.070 --> 01:00:26.776 They spray the sunscreen around their

NOTE Confidence: 0.96350557

01:00:26.776 --> 01:00:29.710 child and they've done their job and.

NOTE Confidence: 0.96350557

01:00:29.710 --> 01:00:31.846 And they really aren't that protected.

NOTE Confidence: 0.96350557

01:00:31.850 --> 01:00:34.349 That's why clothing is so much better.

NOTE Confidence: 0.96350557

01:00:34.350 --> 01:00:35.466 So much better.

NOTE Confidence: 0.96350557

01:00:35.466 --> 01:00:37.698 I'm very delighted there's a trend

NOTE Confidence: 0.96350557

01:00:37.698 --> 01:00:39.646 towards people wearing swim shirts

NOTE Confidence: 0.96350557

01:00:39.646 --> 01:00:41.914 now it it's wonderful 'cause you

NOTE Confidence: 0.96350557

01:00:41.982 --> 01:00:43.824 can never get the sunscreen to

NOTE Confidence: 0.96350557

01:00:43.824 --> 01:00:45.774 your back the way you'd like.

NOTE Confidence: 0.96350557

01:00:45.774 --> 01:00:47.916 And the water clearly dilutes them.

NOTE Confidence: 0.96350557

01:00:47.920 --> 01:00:49.260 So so long, yeah,

NOTE Confidence: 0.96350557

01:00:49.260 --> 01:00:52.095 the swim shirts the the golf is a

NOTE Confidence: 0.96350557

01:00:52.095 --> 01:00:54.333 wearing these sleeves on their arms.

NOTE Confidence: 0.96350557

01:00:54.340 --> 01:00:57.196 The Big Hat Sunscreen is an additional thing,

NOTE Confidence: 0.96350557

01:00:57.200 --> 01:00:59.396 but it shouldn't be the central

NOTE Confidence: 0.96350557

01:00:59.396 --> 01:01:00.860 part of your son.

NOTE Confidence: 0.96350557

01:01:00.860 --> 01:01:04.478 Protection strategies actually.

NOTE Confidence: 0.96350557

01:01:04.480 --> 01:01:06.896 So don't I'm not saying don't use them,

NOTE Confidence: 0.96350557

01:01:06.900 --> 01:01:08.012 but understand they're imperfect

NOTE Confidence: 0.96350557

01:01:08.012 --> 01:01:09.680 and they don't give you the

NOTE Confidence: 0.96350557

01:01:09.729 --> 01:01:11.117 protection that clothing does.

NOTE Confidence: 0.9903809

01:01:14.590 --> 01:01:16.470 Questions for me. Yeah, couple.

NOTE Confidence: 0.97450614

01:01:18.540 --> 01:01:20.892 What is the youngest age at which

NOTE Confidence: 0.97450614

01:01:20.892 --> 01:01:22.480 you would irradiate a basil,

NOTE Confidence: 0.97450614

01:01:22.480 --> 01:01:23.856 a squamous cell we?

NOTE Confidence: 0.97450614

01:01:23.856 --> 01:01:25.232 We've thought in dermatology

NOTE Confidence: 0.97450614

01:01:25.232 --> 01:01:27.067 50 years of age after that.

NOTE Confidence: 0.97450614

01:01:27.070 --> 01:01:29.733 OK, used to be 60. It's out today.

NOTE Confidence: 0.97450614

01:01:29.733 --> 01:01:32.538 I mean there was always the concern that

NOTE Confidence: 0.97450614

01:01:32.538 --> 01:01:34.932 you're going to generate if you irradiate

NOTE Confidence: 0.97450614

01:01:34.932 --> 01:01:37.559 a 45 year old at 30 rather at 75,

NOTE Confidence: 0.97450614

01:01:37.560 --> 01:01:39.528 and we gotta a squamous cell

NOTE Confidence: 0.97450614

01:01:39.528 --> 01:01:40.840 because of your radiation.

NOTE Confidence: 0.97450614

01:01:40.840 --> 01:01:44.424 So yeah, you have such an arbitrarily.

NOTE Confidence: 0.97450614

01:01:44.430 --> 01:01:45.400 Age related schedule.

NOTE Confidence: 0.97450614

01:01:45.400 --> 01:01:47.669 I mean, it's we, it's it's a

NOTE Confidence: 0.9855422

01:01:47.670 --> 01:01:49.290 good question. No, not really.

NOTE Confidence: 0.9855422

01:01:49.290 --> 01:01:52.206 I think you know what we've seen is of,

NOTE Confidence: 0.9855422

01:01:52.210 --> 01:01:54.892 we think of all the cancers that we treat

NOTE Confidence: 0.9855422

01:01:54.892 --> 01:01:57.708 and all the I'd say incidental skin dose,

NOTE Confidence: 0.9855422

01:01:57.710 --> 01:01:58.682 which is substantial.

NOTE Confidence: 0.9855422

01:01:58.682 --> 01:02:01.598 You know, if you really sum it all up,

NOTE Confidence: 0.9855422

01:02:01.600 --> 01:02:02.848 we really see it's.

NOTE Confidence: 0.9855422

01:02:02.848 --> 01:02:05.170 It's not that radiation never causes cancer.

NOTE Confidence: 0.9855422

01:02:05.170 --> 01:02:07.754 Clearly it does once in a great while,

NOTE Confidence: 0.9855422

01:02:07.760 --> 01:02:09.704 but the skin cancer development years

NOTE Confidence: 0.9855422

01:02:09.704 --> 01:02:11.734 later has been very, very rare.

NOTE Confidence: 0.9855422

01:02:11.734 --> 01:02:13.202 The closest thing I've

NOTE Confidence: 0.9855422

01:02:13.202 --> 01:02:14.950 really seen in that is.

NOTE Confidence: 0.9855422

01:02:14.950 --> 01:02:17.208 It's only less than 1% chance of

NOTE Confidence: 0.9855422

01:02:17.208 --> 01:02:18.803 sarcoma after resting with his

NOTE Confidence: 0.9855422

01:02:18.803 --> 01:02:20.120 tremendous deficits in there.

NOTE Confidence: 0.9855422

01:02:20.120 --> 01:02:22.058 Yeah, even that is quite rare.

NOTE Confidence: 0.9855422

01:02:22.060 --> 01:02:24.104 So yeah, I don't know 'cause I

NOTE Confidence: 0.9855422

01:02:24.104 --> 01:02:25.763 don't really have an archery

NOTE Confidence: 0.9855422

01:02:25.763 --> 01:02:27.548 employee think it's just based

NOTE Confidence: 0.9851733

01:02:27.550 --> 01:02:30.242 on if you have a 40 year old or 40 year

NOTE Confidence: 0.9851733

01:02:30.242 --> 01:02:32.570 old attractive woman with the basil

NOTE Confidence: 0.9851733

01:02:32.570 --> 01:02:34.652 cylinder knows you consider radiation.

NOTE Confidence: 0.9851733

01:02:34.652 --> 01:02:37.870 I definitely would be interested.

NOTE Confidence: 0.9851733

01:02:37.870 --> 01:02:40.096 We've also been of the mind and

NOTE Confidence: 0.9851733

01:02:40.096 --> 01:02:41.979 you addressed it in your talk,

NOTE Confidence: 0.9851733

01:02:41.980 --> 01:02:43.244 but but the extremities,

NOTE Confidence: 0.9851733

01:02:43.244 --> 01:02:44.508 particularly the lower legs,

NOTE Confidence: 0.9851733

01:02:44.510 --> 01:02:46.400 haven't done well with that radiation.

NOTE Confidence: 0.9851733

01:02:46.400 --> 01:02:48.928 Is that less true now with your technology?

NOTE Confidence: 0.9832707

01:02:50.400 --> 01:02:52.576 So we we do have to be careful.

NOTE Confidence: 0.9832707

01:02:52.580 --> 01:02:54.468 I think that's something where I feel like

NOTE Confidence: 0.9832707

01:02:54.468 --> 01:02:56.110 surgeons and radiation caused struggle.

NOTE Confidence: 0.9832707

01:02:56.110 --> 01:02:58.014 But it's all about the blood supply.

NOTE Confidence: 0.9832707

01:02:58.020 --> 01:02:59.598 Yes yeah, a lesion or they

NOTE Confidence: 0.9832707

01:02:59.598 --> 01:03:01.010 say over the shin bone.

NOTE Confidence: 0.9832707

01:03:01.010 --> 01:03:02.102 Yes, everybody struggles there.

NOTE Confidence: 0.9832707

01:03:02.102 --> 01:03:04.000 'cause it just doesn't heal that well.

NOTE Confidence: 0.9832707

01:03:04.000 --> 01:03:05.360 Just takes a long time

NOTE Confidence: 0.9832707

01:03:05.360 --> 01:03:06.720 and I think you're right.

NOTE Confidence: 0.9832707

01:03:06.720 --> 01:03:08.896 I think there that the the key there

NOTE Confidence: 0.9832707

01:03:08.896 --> 01:03:10.516 couple things that number one is

NOTE Confidence: 0.9832707

01:03:10.516 --> 01:03:12.387 again it's you know the size you

NOTE Confidence: 0.9832707

01:03:12.387 --> 01:03:14.340 know where we're going to begin with.

NOTE Confidence: 0.9832707

01:03:14.340 --> 01:03:15.966 Is there an ulcer to start?

NOTE Confidence: 0.9832707

01:03:15.970 --> 01:03:17.662 'cause if someone's coming to me

NOTE Confidence: 0.9832707

01:03:17.662 --> 01:03:19.335 with an ulceration as a really

NOTE Confidence: 0.9832707

01:03:19.335 --> 01:03:21.050 long time to heal and then also

NOTE Confidence: 0.9832707

01:03:21.050 --> 01:03:22.657 asking about diabetes and other.

NOTE Confidence: 0.9832707

01:03:22.660 --> 01:03:24.812 More obvious, you know? Yes, yes.

NOTE Confidence: 0.9832707

01:03:24.812 --> 01:03:27.054 The blood vessel issues but.

NOTE Confidence: 0.9832707

01:03:27.054 --> 01:03:27.996 That said,

NOTE Confidence: 0.9832707

01:03:28.000 --> 01:03:30.312 I think you know having a bigger excision

NOTE Confidence: 0.9832707

01:03:30.312 --> 01:03:32.430 over shin and the flaps of racing

NOTE Confidence: 0.9832707

01:03:32.430 --> 01:03:34.250 that can be very challenging also,

NOTE Confidence: 0.9832707

01:03:34.250 --> 01:03:36.038 so I think mainly it is.

NOTE Confidence: 0.9832707

01:03:36.040 --> 01:03:37.530 I think there's still candidates,

NOTE Confidence: 0.9832707

01:03:37.530 --> 01:03:39.567 but the the counseling I do in

NOTE Confidence: 0.9832707

01:03:39.567 --> 01:03:41.702 terms of you know how long is

NOTE Confidence: 0.9832707

01:03:41.702 --> 01:03:43.490 this going to take to heal?

NOTE Confidence: 0.9832707

01:03:43.490 --> 01:03:45.576 And could you have participated in drafting?

NOTE Confidence: 0.9832707

01:03:45.580 --> 01:03:47.956 It is a different discussion and same thing.

NOTE Confidence: 0.9832707

01:03:47.960 --> 01:03:49.754 I showed the lady with the

NOTE Confidence: 0.9832707

01:03:49.754 --> 01:03:51.539 leash on the bottom of foot.

NOTE Confidence: 0.9832707

01:03:51.540 --> 01:03:53.514 If that had been a regular squamous

NOTE Confidence: 0.9832707

01:03:53.514 --> 01:03:55.094 cancer she would have many

NOTE Confidence: 0.9832707

01:03:55.094 --> 01:03:56.442 very difficult position because

NOTE Confidence: 0.9832707

01:03:56.442 --> 01:03:58.170 doses are proud that or or.

NOTE Confidence: 0.9832707

01:03:58.170 --> 01:04:00.120 Double what are needed for the

NOTE Confidence: 0.9832707

01:04:00.120 --> 01:04:02.562 for the inside too and you just

NOTE Confidence: 0.9832707

01:04:02.562 --> 01:04:04.352 really have tremendous issues on

NOTE Confidence: 0.9832707

01:04:04.352 --> 01:04:06.771 the foot in the area that we do

NOTE Confidence: 0.9832707

01:04:06.771 --> 01:04:08.506 really well in the footman cold.

NOTE Confidence: 0.9832707

01:04:08.506 --> 01:04:10.444 I've seen quite a few of

NOTE Confidence: 0.9832707

01:04:10.444 --> 01:04:11.736 perusing early Capozzi sarcoma.

NOTE Confidence: 0.9832707

01:04:11.736 --> 01:04:12.382 Whatever reason.

NOTE Confidence: 0.9832707

01:04:12.382 --> 01:04:14.636 Yeah, yeah, but Mankell and you know,

NOTE Confidence: 0.9832707

01:04:14.640 --> 01:04:16.922 they respond really well to low doses

NOTE Confidence: 0.9832707

01:04:16.922 --> 01:04:19.170 of radiation and versus the you know,

NOTE Confidence: 0.9832707

01:04:19.170 --> 01:04:20.458 the functional cosmetic surgery

NOTE Confidence: 0.9832707

01:04:20.458 --> 01:04:22.068 is is not so hot.

NOTE Confidence: 0.9832707

01:04:22.070 --> 01:04:24.977 So it depends on the dose or time location.

NOTE Confidence: 0.9832707

01:04:24.980 --> 01:04:28.332 But yes, I think you know, get close to the.

NOTE Confidence: 0.9832707

01:04:28.332 --> 01:04:31.245 The fingers and toes and over the shin

NOTE Confidence: 0.9832707

01:04:31.245 --> 01:04:34.078 is tricky, but I'm treating over a calf.

NOTE Confidence: 0.9832707

01:04:34.080 --> 01:04:34.788 For example.

NOTE Confidence: 0.9832707

01:04:34.788 --> 01:04:36.558 Yeah usually does pretty well.

NOTE Confidence: 0.9832707

01:04:36.560 --> 01:04:36.915 Yeah,

NOTE Confidence: 0.9832707

01:04:36.915 --> 01:04:37.270 yeah.

NOTE Confidence: 0.986833892857143

01:04:39.150 --> 01:04:40.944 I I would.

NOTE Confidence: 0.986833892857143

01:04:40.944 --> 01:04:45.650 Add to your presentation, boost it.

NOTE Confidence: 0.986833892857143

01:04:45.650 --> 01:04:48.530 Rate radiation therapy for

NOTE Confidence: 0.986833892857143

01:04:48.530 --> 01:04:51.410 basal cell squamous cells.

NOTE Confidence: 0.986833892857143

01:04:51.410 --> 01:04:53.762 Particularly on the nose.

NOTE Confidence: 0.986833892857143

01:04:53.762 --> 01:04:54.938 It's underutilized.

NOTE Confidence: 0.986833892857143

01:04:54.940 --> 01:04:56.817 Frankly, it's underutilized.

NOTE Confidence: 0.986833892857143

01:04:56.817 --> 01:05:02.473 I mean the the cosmetic result is superior.

NOTE Confidence: 0.986833892857143

01:05:02.480 --> 01:05:04.445 There's no surgery that approaches

NOTE Confidence: 0.986833892857143

01:05:04.445 --> 01:05:07.919 what what you can do on a tip of the

NOTE Confidence: 0.986833892857143

01:05:07.919 --> 01:05:10.530 nose basal cell, and it it it it,

NOTE Confidence: 0.986833892857143

01:05:10.530 --> 01:05:13.680 it's a it's it's an option that's you know,

NOTE Confidence: 0.986833892857143

01:05:13.680 --> 01:05:14.380 very valuable.

NOTE Confidence: 0.986833892857143

01:05:14.380 --> 01:05:15.080 Very valuable.

NOTE Confidence: 0.986833892857143

01:05:15.080 --> 01:05:16.130 As you know,

NOTE Confidence: 0.986833892857143

01:05:16.130 --> 01:05:18.200 we shared a number of patients

NOTE Confidence: 0.986833892857143

01:05:18.200 --> 01:05:19.580 and they're delighted with

NOTE Confidence: 0.986833892857143

01:05:19.649 --> 01:05:20.678 the final result.

NOTE Confidence: 0.986833892857143

01:05:20.680 --> 01:05:21.030 Delighted.

NOTE Confidence: 0.9253445

01:05:21.910 --> 01:05:23.877 I yeah, I'm I'm really pleased you.

NOTE Confidence: 0.9253445

01:05:23.880 --> 01:05:25.004 You mentioned that 'cause

NOTE Confidence: 0.9253445

01:05:25.004 --> 01:05:26.409 I I completely agree I.

NOTE Confidence: 0.9253445

01:05:26.410 --> 01:05:29.140 I think that there is a.

NOTE Confidence: 0.9253445

01:05:29.140 --> 01:05:30.820 For what I've seen of the

NOTE Confidence: 0.9253445

01:05:30.820 --> 01:05:32.287 certainly the centers that I've

NOTE Confidence: 0.9253445

01:05:32.287 --> 01:05:33.997 been to or the academic centers,

NOTE Confidence: 0.9253445

01:05:34.000 --> 01:05:36.288 I should say that I think the education,

NOTE Confidence: 0.9253445

01:05:36.290 --> 01:05:38.210 sometimes in some of the dermatology

NOTE Confidence: 0.9253445

01:05:38.210 --> 01:05:40.030 residencies and things is is just

NOTE Confidence: 0.9253445

01:05:40.030 --> 01:05:41.717 lacking a little bit on what they,

NOTE Confidence: 0.9253445

01:05:41.720 --> 01:05:44.008 what they talk about in terms of radiation.

NOTE Confidence: 0.9253445

01:05:44.010 --> 01:05:46.584 And I, you know, you all names aside I,

NOTE Confidence: 0.9253445

01:05:46.590 --> 01:05:47.448 I've I've visited.

NOTE Confidence: 0.9253445

01:05:47.448 --> 01:05:49.450 You know many dermatologists who really knew,

NOTE Confidence: 0.9253445

01:05:49.450 --> 01:05:51.081 you know you stand out as someone

NOTE Confidence: 0.9253445

01:05:51.081 --> 01:05:52.236 who's really quite knowledgeable

NOTE Confidence: 0.9253445

01:05:52.236 --> 01:05:53.448 about about radiation.

NOTE Confidence: 0.9253445

01:05:53.450 --> 01:05:55.148 A lot of retailers really don't

NOTE Confidence: 0.9253445

01:05:55.148 --> 01:05:57.207 know much of any know that it's

NOTE Confidence: 0.9253445

01:05:57.207 --> 01:05:59.230 maybe good for being so that they.

NOTE Confidence: 0.9253445

01:05:59.230 --> 01:06:01.886 They had no idea can use for squamous.

NOTE Confidence: 0.9253445

01:06:01.890 --> 01:06:04.228 Like literally no idea and said OK.

NOTE Confidence: 0.9253445

01:06:04.230 --> 01:06:06.921 Well yes it can be and and talking it

NOTE Confidence: 0.9253445

01:06:06.921 --> 01:06:09.107 through so there's a you know I love

NOTE Confidence: 0.9253445

01:06:09.107 --> 01:06:12.088 to to talk to dermatologists and to you

NOTE Confidence: 0.9253445

01:06:12.088 --> 01:06:14.218 know surgeon certain oncologists in

NOTE Confidence: 0.9253445

01:06:14.220 --> 01:06:16.306 the community to them know that it's

NOTE Confidence: 0.9253445

01:06:16.306 --> 01:06:18.540 it's not the answer for everything

NOTE Confidence: 0.9854245

01:06:18.540 --> 01:06:20.682 but it really doesn't realize for

NOTE Confidence: 0.9854245

01:06:20.682 --> 01:06:22.110 certain should good dermatologist

NOTE Confidence: 0.9854245

01:06:22.173 --> 01:06:24.027 should include it in the options

NOTE Confidence: 0.9854245

01:06:24.027 --> 01:06:25.645 of the good dermatologist should

NOTE Confidence: 0.9854245

01:06:25.645 --> 01:06:27.885 know the five six or seven relevant

NOTE Confidence: 0.9854245

01:06:27.885 --> 01:06:29.565 possibilities and for each patient.

NOTE Confidence: 0.9854245

01:06:29.565 --> 01:06:32.569 There's one or two that are a maximal

NOTE Confidence: 0.9854245

01:06:32.569 --> 01:06:35.139 that are appropriate in radiation.

NOTE Confidence: 0.9854245

01:06:35.140 --> 01:06:37.250 Often is in it's it's.

NOTE Confidence: 0.9854245

01:06:37.250 --> 01:06:40.490 It's a wonderful technique.

NOTE Confidence: 0.9854245

01:06:40.490 --> 01:06:42.884 The the, The the thought and dermatology.

NOTE Confidence: 0.9854245

01:06:42.890 --> 01:06:45.221 I'll admit used to be squamous cells

NOTE Confidence: 0.9854245

01:06:45.221 --> 01:06:47.687 don't do as well as basil cells.

NOTE Confidence: 0.9854245

01:06:47.690 --> 01:06:50.084 Is that no longer true in your

NOTE Confidence: 0.9857439

01:06:50.090 --> 01:06:52.148 experience? I think it's it's true,

NOTE Confidence: 0.9857439

01:06:52.150 --> 01:06:54.208 but with an asterisk it's really.

NOTE Confidence: 0.9857439

01:06:54.210 --> 01:06:56.604 It's more size related on those slides.

NOTE Confidence: 0.9857439

01:06:56.610 --> 01:06:57.639 It's bigger ones,

NOTE Confidence: 0.9857439

01:06:57.639 --> 01:06:59.354 but then everybody is struggling.

NOTE Confidence: 0.9857439

01:06:59.360 --> 01:07:01.052 That's right once you know

NOTE Confidence: 0.9857439

01:07:01.052 --> 01:07:03.068 so it's so somehow that then

NOTE Confidence: 0.9857439

01:07:03.068 --> 01:07:05.188 seeped into a more general idea.

NOTE Confidence: 0.9857439

01:07:05.190 --> 01:07:06.562 It's less than that,

NOTE Confidence: 0.9857439

01:07:06.562 --> 01:07:08.620 and that's not that's not true.

NOTE Confidence: 0.9857439

01:07:08.620 --> 01:07:11.336 And you know some of the squamous.

NOTE Confidence: 0.9857439

01:07:11.340 --> 01:07:13.398 And we know some of the sensitivity,

NOTE Confidence: 0.9857439

01:07:13.400 --> 01:07:14.870 and perhaps some it is,

NOTE Confidence: 0.9857439

01:07:14.870 --> 01:07:16.340 is an appreciation for what

NOTE Confidence: 0.9857439

01:07:16.340 --> 01:07:17.810 dose we should be using.

NOTE Confidence: 0.9857439

01:07:17.810 --> 01:07:19.265 Maybe some disclaimers that big

NOTE Confidence: 0.9857439

01:07:19.265 --> 01:07:20.720 Russian musical hired oaks and

NOTE Confidence: 0.9857439

01:07:20.771 --> 01:07:22.505 that's part of what's been underdone.

NOTE Confidence: 0.9857439

01:07:22.510 --> 01:07:24.364 I think it's certainly you know

NOTE Confidence: 0.9857439

01:07:24.364 --> 01:07:26.040 the squares cancers occur in the,

NOTE Confidence: 0.9857439

01:07:26.040 --> 01:07:26.596 you know,

NOTE Confidence: 0.9857439

01:07:26.596 --> 01:07:28.264 the console that on the service

NOTE Confidence: 0.9857439

01:07:28.264 --> 01:07:29.767 questions it's it's actually a

NOTE Confidence: 0.9857439

01:07:29.767 --> 01:07:30.959 fairly sensitive different type

NOTE Confidence: 0.9857439

01:07:30.959 --> 01:07:32.799 and not this skin is identical,

NOTE Confidence: 0.9857439

01:07:32.800 --> 01:07:34.858 but it's you know it's close enough.

NOTE Confidence: 0.9857439

01:07:34.860 --> 01:07:36.680 We do see a sensitivity there and

NOTE Confidence: 0.9857439

01:07:36.680 --> 01:07:38.978 and a lot of really good outcomes.

NOTE Confidence: 0.9857439

01:07:38.980 --> 01:07:41.716 Life got you lady with the the large lesion.

NOTE Confidence: 0.9857439

01:07:41.720 --> 01:07:42.944 Over her wrists,

NOTE Confidence: 0.9857439

01:07:42.944 --> 01:07:46.470 I show that was a large squamous cancer.

NOTE Confidence: 0.9857439

01:07:46.470 --> 01:07:49.134 You know, so it's it is still effective,

NOTE Confidence: 0.9857439

01:07:49.140 --> 01:07:51.150 but everyone struggles a little more

NOTE Confidence: 0.9457109

01:07:51.150 --> 01:07:53.236 of those bigger scale and I'm tired

NOTE Confidence: 0.9457109

01:07:53.236 --> 01:07:55.150 of my unoptimized discussion about.

NOTE Confidence: 0.9457109

01:07:55.150 --> 01:07:56.152 Before you irradiate,

NOTE Confidence: 0.9457109

01:07:56.152 --> 01:07:58.156 you consider the Histology as well.

NOTE Confidence: 0.9457109

01:07:58.160 --> 01:08:00.384 I mean, you know how varied basil cells

NOTE Confidence: 0.9457109

01:08:00.384 --> 01:08:02.840 are and that micronodular are invasive?

NOTE Confidence: 0.9457109

01:08:02.840 --> 01:08:05.509 Or are, you know we we used to

NOTE Confidence: 0.9457109

01:08:05.510 --> 01:08:07.848 call him or feel like basil cells?

NOTE Confidence: 0.9457109

01:08:07.850 --> 01:08:09.728 And yeah, those are those are

NOTE Confidence: 0.9457109

01:08:09.728 --> 01:08:11.393 more difficult also for everyone

NOTE Confidence: 0.9457109

01:08:11.393 --> 01:08:13.517 more difficult and I think that's

NOTE Confidence: 0.9457109

01:08:13.520 --> 01:08:15.218 it. That's where it's a great

NOTE Confidence: 0.9457109

01:08:15.218 --> 01:08:17.320 to have a nice collaboration.

NOTE Confidence: 0.9457109

01:08:17.320 --> 01:08:18.420 Between us parents. Observation.

NOTE Confidence: 0.9457109

01:08:18.420 --> 01:08:20.358 Because then he talked through, you know,

NOTE Confidence: 0.9457109

01:08:20.358 --> 01:08:22.590 the sense of of what the depth and

NOTE Confidence: 0.9457109

01:08:22.655 --> 01:08:24.220 the width of the problem logically.

NOTE Confidence: 0.9457109

01:08:24.220 --> 01:08:26.150 So you know, Doctor Khan was showing,

NOTE Confidence: 0.9457109

01:08:26.150 --> 01:08:28.358 you know some of the day of God.

NOTE Confidence: 0.9457109

01:08:28.360 --> 01:08:30.568 You know how wide to to creating margin

NOTE Confidence: 0.9457109

01:08:30.568 --> 01:08:32.498 depending on the size of the Melanoma.

NOTE Confidence: 0.9457109

01:08:32.500 --> 01:08:34.425 But there's a similar concept in radiation,

NOTE Confidence: 0.9457109

01:08:34.430 --> 01:08:36.355 whether it's Melanoma or screens or basal.

NOTE Confidence: 0.9457109

01:08:36.360 --> 01:08:37.464 About you know how?

NOTE Confidence: 0.9457109

01:08:37.464 --> 01:08:39.120 How, why? We should go on,

NOTE Confidence: 0.9457109

01:08:39.120 --> 01:08:40.500 how deep we should go,

NOTE Confidence: 0.9457109

01:08:40.500 --> 01:08:42.588 or even in certain cases it's on a

NOTE Confidence: 0.9457109

01:08:42.588 --> 01:08:44.079 single perineural invasion where it's

NOTE Confidence: 0.9457109

01:08:44.079 --> 01:08:45.915 tracking on nurse would be actually

NOTE Confidence: 0.9457109

01:08:45.915 --> 01:08:47.928 going back and picking inerview deeper.

NOTE Confidence: 0.9457109

01:08:47.930 --> 01:08:49.054 And so you know,

NOTE Confidence: 0.9457109

01:08:49.054 --> 01:08:50.740 this is really where that that

NOTE Confidence: 0.9457109

01:08:50.799 --> 01:08:53.368 collaboration is so important and you know,

NOTE Confidence: 0.9457109

01:08:53.370 --> 01:08:55.554 for example, that breakey therapy that I

NOTE Confidence: 0.9457109

01:08:55.554 --> 01:08:57.529 showed is wonderful for certain things,

NOTE Confidence: 0.9457109

01:08:57.530 --> 01:08:59.450 but it can't go that deep.

NOTE Confidence: 0.9457109

01:08:59.450 --> 01:09:01.370 It must be a thin lesion,

NOTE Confidence: 0.9457109

01:09:01.370 --> 01:09:03.842 but luckily we we can treat the whatever

NOTE Confidence: 0.9457109

01:09:03.842 --> 01:09:06.486 depth we want with electrons and X rays.

NOTE Confidence: 0.9457109

01:09:06.490 --> 01:09:08.882 So it's you know it's having the the

NOTE Confidence: 0.9457109

01:09:08.882 --> 01:09:10.545 various tools and the appreciation

NOTE Confidence: 0.9457109

01:09:10.545 --> 01:09:12.890 for how how there is the variation.

NOTE Confidence: 0.9457109

01:09:12.890 --> 01:09:14.648 It's really so so important and

NOTE Confidence: 0.9457109

01:09:14.648 --> 01:09:16.234 and having that connection with

NOTE Confidence: 0.9457109

01:09:16.234 --> 01:09:17.686 the dermatologist every pocket.

NOTE Confidence: 0.9897513

01:09:22.540 --> 01:09:24.708 Let me just double check to see if

NOTE Confidence: 0.9897513

01:09:24.708 --> 01:09:26.608 there any other questions here.

NOTE Confidence: 0.98579705

01:09:32.720 --> 01:09:33.930 Sorry, scrolling through.

NOTE Confidence: 0.97221786

01:09:35.980 --> 01:09:38.110 Those are those are the ones,

NOTE Confidence: 0.97221786

01:09:38.110 --> 01:09:40.288 so I really appreciate everyone tuning

NOTE Confidence: 0.97221786

01:09:40.288 --> 01:09:43.203 in and and thank you to Doctor Connors

NOTE Confidence: 0.97221786

01:09:43.203 --> 01:09:45.570 and Doctor Kahn for for joining us.

NOTE Confidence: 0.97221786

01:09:45.570 --> 01:09:47.214 You know, we're really proud of

NOTE Confidence: 0.97221786

01:09:47.214 --> 01:09:49.463 the of the skin cancer care that's

NOTE Confidence: 0.97221786

01:09:49.463 --> 01:09:51.273 available throughout the jail system

NOTE Confidence: 0.97221786

01:09:51.273 --> 01:09:53.784 and in the community in Greenwich

NOTE Confidence: 0.97221786

01:09:53.784 --> 01:09:55.508 more generally and specifically,

NOTE Confidence: 0.97221786

01:09:55.510 --> 01:09:57.640 doctor Doctor Connors and some of

NOTE Confidence: 0.97221786

01:09:57.640 --> 01:09:59.769 their great people we work with.

NOTE Confidence: 0.97221786

01:09:59.770 --> 01:10:01.900 And you know, certainly we're all.

NOTE Confidence: 0.97221786

01:10:01.900 --> 01:10:04.378 If you have further questions or evaluation,

NOTE Confidence: 0.97221786

01:10:04.380 --> 01:10:05.704 were all happy too.

NOTE Confidence: 0.97221786

01:10:05.704 --> 01:10:08.384 Help out and see people and I just

NOTE Confidence: 0.97221786

01:10:08.384 --> 01:10:10.554 thank you all again for your time

NOTE Confidence: 0.97221786

01:10:10.554 --> 01:10:12.697 and have a good rest evening.