WEBVTT

NOTE duration:"00:02:19.3490000"

NOTE recognizability:0.985

NOTE language:en-us

NOTE Confidence: 0.9846703

00:00:00.000 --> 00:00:02.100 I'm Harriet kluger. I'm a professor

NOTE Confidence: 0.9846703

00:00:02.100 --> 00:00:04.110 of medicine in medical oncology.

NOTE Confidence: 0.9846703

00:00:04.110 --> 00:00:06.186 I treat patients with Melanoma and

NOTE Confidence: 0.9846703

00:00:06.186 --> 00:00:08.277 renal cell carcinoma as well as

NOTE Confidence: 0.9846703

00:00:08.277 --> 00:00:10.209 patients with other types of skin

NOTE Confidence: 0.9846703

00:00:10.209 --> 00:00:12.409 cancers such as Merkel cell carcinoma.

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00:00:12.410 --> 00:00:14.738 Towards the end of the 1990s it was

NOTE Confidence: 0.9846703

00:00:14.738 --> 00:00:17.000 becoming clearer and clearer that the

NOTE Confidence: 0.9846703

00:00:17.000 --> 00:00:18.616 big breakthroughs in understanding

NOTE Confidence: 0.9846703

00:00:18.616 --> 00:00:20.473 cellular biology would have major

NOTE Confidence: 0.9846703

00:00:20.473 --> 00:00:22.128 impact on oncology and therefore

NOTE Confidence: 0.9846703

00:00:22.128 --> 00:00:24.195 I decided to go into this field

NOTE Confidence: 0.9846703

00:00:24.195 --> 00:00:26.491 where I felt that I could actually

NOTE Confidence: 0.9846703

00:00:26.491 --> 00:00:28.546 make a difference in contributing

NOTE Confidence: 0.9846703

00:00:28.546 --> 00:00:31.217 not only to patient care but in.

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00:00:31.220 --> 00:00:32.945 To moving the field forward

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00:00:32.945 --> 00:00:34.325 by doing clinical research,

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00:00:34.330 --> 00:00:36.430 I generally recommend that people come

NOTE Confidence: 0.9846703

00:00:36.430 --> 00:00:38.823 into their first visit with a family

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00:00:38.823 --> 00:00:40.683 member or a caregiver simply because

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00:00:40.683 --> 00:00:42.949 the first visit is very overwhelming.

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00:00:42.950 --> 00:00:45.774 We give people a lot of information and

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00:00:45.774 --> 00:00:48.816 I think it's hard to retain all of it.

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00:00:48.820 --> 00:00:51.580 So second set of ears is always beneficial.

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00:00:51.580 --> 00:00:53.300 When I started taking care

NOTE Confidence: 0.9846703

00:00:53.300 --> 00:00:54.676 of patients with cancer,

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00:00:54.680 --> 00:00:56.786 we pretty much only had chemotherapy

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00:00:56.786 --> 00:00:58.190 as the molecular abnormalities

NOTE Confidence: 0.9846703

00:00:58.245 --> 00:00:59.990 within the cancer cells became

NOTE Confidence: 0.9846703

00:00:59.990 --> 00:01:01.386 better and better understood.

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00:01:01.390 --> 00:01:03.710 We were able to develop drugs that target

NOTE Confidence: 0.9846703

00:01:03.710 --> 00:01:05.569 those political molecular abnormalities.

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00:01:05.570 --> 00:01:06.569 So, in Melanoma,

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00:01:06.569 --> 00:01:09.321 the molecular lesions are mutations in a gene

NOTE Confidence: 0.9846703

00:01:09.321 --> 00:01:11.827 called byref primarily and in kidney cancer.

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00:01:11.830 --> 00:01:14.270 We we have developed a whole slew of

NOTE Confidence: 0.9846703

00:01:14.270 --> 00:01:17.244 drugs that target the blood cell for the

NOTE Confidence: 0.9846703

00:01:17.244 --> 00:01:19.489 blood vessel formation within the tumor.

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00:01:19.490 --> 00:01:20.182 So essentially,

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00:01:20.182 --> 00:01:21.566 when we inhibit that,

NOTE Confidence: 0.9846703

00:01:21.570 --> 00:01:23.658 we starve the tumor a little

NOTE Confidence: 0.9846703

00:01:23.658 --> 00:01:25.050 bit of its nutrients,

NOTE Confidence: 0.9846703

00:01:25.050 --> 00:01:27.486 and that's very effective in kidney cancer.

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00:01:27.490 --> 00:01:28.706 The other major approach,

NOTE Confidence: 0.9846703

00:01:28.706 --> 00:01:30.530 and that's where most of the

NOTE Confidence: 0.9846703

00:01:30.593 --> 00:01:32.677 breakthroughs have actually occurred.

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00:01:32.680 --> 00:01:34.410 Is in immunotherapy for cancer,

NOTE Confidence: 0.9846703

00:01:34.410 --> 00:01:36.140 so these cells sit within

NOTE Confidence: 0.9846703

00:01:36.140 --> 00:01:37.178 a tumor microenvironment.

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00:01:37.180 --> 00:01:39.595 They're not just sitting there by themselves,

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00:01:39.600 --> 00:01:42.176 and if we can educate the immune system

NOTE Confidence: 0.9846703

00:01:42.176 --> 00:01:43.895 to recognize the cancer's foreign

NOTE Confidence: 0.9846703

00:01:43.895 --> 00:01:46.240 and then activate it a little bit

NOTE Confidence: 0.9846703

00:01:46.303 --> 00:01:48.595 further to attack those cancer cells,

NOTE Confidence: 0.9846703

00:01:48.600 --> 00:01:51.336 we can then essentially get rid of the

NOTE Confidence: 0.9846703

00:01:51.336 --> 00:01:53.492 cancer using our own bodies immune

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00:01:53.492 --> 00:01:55.860 system as the ammunition to do so.

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00:01:55.860 --> 00:01:57.936 We have two fantastic teams that

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00:01:57.936 --> 00:01:58.974 we work with,

NOTE Confidence: 0.9846703

00:01:58.980 --> 00:02:01.050 one for skin cancer and one

NOTE Confidence: 0.9846703

00:02:01.050 --> 00:02:02.085 for kidney cancer.

NOTE Confidence: 0.9846703

00:02:02.090 --> 00:02:04.430 We're fortunate to have dedicated surgeons.

NOTE Confidence: 0.9846703

00:02:04.430 --> 00:02:06.957 Who understand the biology of the disease.

NOTE Confidence: 0.9846703

00:02:06.960 --> 00:02:08.404 They understand the drugs

NOTE Confidence: 0.9846703

00:02:08.404 --> 00:02:10.570 that they use that we use.

NOTE Confidence: 0.9846703

00:02:10.570 --> 00:02:13.362 They meet with us on a weekly basis

NOTE Confidence: 0.9846703

00:02:13.362 --> 00:02:16.459 and are able to tailor specific

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00:02:16.459 --> 00:02:19.349 treatment plans for individual patients.