WEBVTT

NOTE duration:"00:02:22.4850000"

NOTE language:en-us

NOTE Confidence: 0.86357

00:00:00.000 --> 00:00:01.865 The evolution has been extraordinary

NOTE Confidence: 0.86357

00:00:01.865 --> 00:00:04.499 and just over the past 1050 years.

NOTE Confidence: 0.86357

00:00:04.500 --> 00:00:06.612 So we started from the inexpensive

NOTE Confidence: 0.86357

00:00:06.612 --> 00:00:09.184 test where we were guessing what the

NOTE Confidence: 0.86357

00:00:09.184 --> 00:00:11.739 gene could be with the defective gene

NOTE Confidence: 0.86357

00:00:11.811 --> 00:00:14.457 could be according to what the patient

NOTE Confidence: 0.86357

00:00:14.457 --> 00:00:16.340 and their families were showing,

NOTE Confidence: 0.86357

00:00:16.340 --> 00:00:18.930 and then if that test was negative,

NOTE Confidence: 0.86357

00:00:18.930 --> 00:00:21.352 we were considering about going to a

NOTE Confidence: 0.86357

00:00:21.352 --> 00:00:23.926 different test to check for another gene

NOTE Confidence: 0.86357

00:00:23.926 --> 00:00:26.700 that could be responsible for that process.

NOTE Confidence: 0.86357

00:00:26.700 --> 00:00:28.884 So that was expensive and often

NOTE Confidence: 0.86357

00:00:28.884 --> 00:00:30.340 time consuming because we're

NOTE Confidence: 0.86357

00:00:30.402 --> 00:00:32.038 not finding the mediations.

NOTE Confidence: 0.86357

00:00:32.040 --> 00:00:33.548 And the initial tribe.

NOTE Confidence: 0.86357

00:00:33.548 --> 00:00:36.319 So this has evolved to having more

NOTE Confidence: 0.86357

00:00:36.319 --> 00:00:38.494 jeans that are responsible for

NOTE Confidence: 0.86357

00:00:38.494 --> 00:00:41.120 diseases will learn from and those

NOTE Confidence: 0.86357

00:00:41.120 --> 00:00:43.556 genes package within tests are now

NOTE Confidence: 0.86357

00:00:43.556 --> 00:00:45.962 encompass a number of genes that

NOTE Confidence: 0.86357

00:00:45.962 --> 00:00:48.852 are being tested at the same time

NOTE Confidence: 0.86357

00:00:48.852 --> 00:00:51.360 we call multi gene panel tests.

NOTE Confidence: 0.86357

00:00:51.360 --> 00:00:53.826 These are now the ones that

NOTE Confidence: 0.86357

00:00:53.826 --> 00:00:55.470 we are commonly using.

NOTE Confidence: 0.86357

00:00:55.470 --> 00:00:57.834 They allow us to really test

NOTE Confidence: 0.86357

00:00:57.834 --> 00:01:00.433 for different genes that can be

NOTE Confidence: 0.86357

00:01:00.433 --> 00:01:02.317 responsible for similar cancer.

NOTE Confidence: 0.86357

00:01:02.320 --> 00:01:03.484 Susceptibilities and therefore

NOTE Confidence: 0.86357

00:01:03.484 --> 00:01:06.704 they will let us to be much more

NOTE Confidence: 0.86357

00:01:06.704 --> 00:01:08.879 efficient in terms of diagnostics,

NOTE Confidence: 0.86357

00:01:08.880 --> 00:01:10.930 so that really has revolutionized

NOTE Confidence: 0.86357

00:01:10.930 --> 00:01:12.980 how we do genetic testing.

NOTE Confidence: 0.86357

00:01:12.980 --> 00:01:16.049 An it has it has allowed us to really

NOTE Confidence: 0.86357

00:01:16.049 --> 00:01:19.127 be much more efficient when there,

NOTE Confidence: 0.86357

00:01:19.130 --> 00:01:21.590 when it comes to genetic testing,

NOTE Confidence: 0.86357

00:01:21.590 --> 00:01:23.465 so changes are happening there

NOTE Confidence: 0.86357

00:01:23.465 --> 00:01:25.851 happening fast and in the capacity

NOTE Confidence: 0.86357

00:01:25.851 --> 00:01:28.467 of these panels to incorporate knew

NOTE Confidence: 0.86357

00:01:28.467 --> 00:01:30.725 genetic defects that we're learning

NOTE Confidence: 0.86357

00:01:30.725 --> 00:01:32.930 every day that are responsible.

NOTE Confidence: 0.86357

00:01:32.930 --> 00:01:35.100 For cancer susceptibility are easily

NOTE Confidence: 0.86357

00:01:35.100 --> 00:01:38.000 incorporated and and that also let us

NOTE Confidence: 0.86357

00:01:38.000 --> 00:01:40.310 re check on patients who were tested

NOTE Confidence: 0.86357

00:01:40.310 --> 00:01:42.771 several years ago and some of those

NOTE Confidence: 0.86357

00:01:42.771 --> 00:01:45.570 jeans were not discovered by that time yet.

NOTE Confidence: 0.86357

00:01:45.570 --> 00:01:48.260 So we can go back to this.

NOTE Confidence: 0.86357

00:01:48.260 --> 00:01:49.904 Individuals who tested negative

NOTE Confidence: 0.86357

00:01:49.904 --> 00:01:52.859 at that time and double check see

NOTE Confidence: 0.86357

00:01:52.859 --> 00:01:55.367 those new mutations that have been

NOTE Confidence: 0.86357

00:01:55.367 --> 00:01:58.054 discovered are actually the ones that

NOTE Confidence: 0.86357

00:01:58.054 --> 00:02:00.329 are causing their cancer predisposition.

NOTE Confidence: 0.86357

00:02:00.330 --> 00:02:01.266 And so again,

NOTE Confidence: 0.86357

00:02:01.266 --> 00:02:03.138 I think that whoever got information

NOTE Confidence: 0.86357

00:02:03.138 --> 00:02:04.090 two years ago,

NOTE Confidence: 0.86357

00:02:04.090 --> 00:02:05.354 it's already different nowadays

NOTE Confidence: 0.86357

00:02:05.354 --> 00:02:07.250 and probably in two years is

NOTE Confidence: 0.86357

00:02:07.304 --> 00:02:08.779 still going to be different.

NOTE Confidence: 0.86357

00:02:08.780 --> 00:02:10.586 Therefore it's an active field that

NOTE Confidence: 0.86357

00:02:10.586 --> 00:02:12.876 we really need to make sure that

NOTE Confidence: 0.86357

00:02:12.876 --> 00:02:14.581 our patients do understand that

NOTE Confidence: 0.86357

00:02:14.581 --> 00:02:16.461 our knowledge keeps evolving and we

NOTE Confidence: 0.86357

00:02:16.461 --> 00:02:18.511 need to really keep in touch with

NOTE Confidence: 0.86357

00:02:18.511 --> 00:02:20.557 our patients so they can actually

NOTE Confidence: 0.86357

00:02:20.557 --> 00:02:22.484 benefit from their new knowledge.