

WEBVTT

NOTE duration:"00:28:55"

NOTE recognizability:0.798

NOTE language:en-us

NOTE Confidence: 0.9442596

00:00:19.220 --> 00:00:21.238 Welcome to the Yale Liver

NOTE Confidence: 0.9442596

00:00:21.238 --> 00:00:22.339 Diamond Jubilee event.

NOTE Confidence: 0.880359860476191

00:00:22.340 --> 00:00:24.224 Please feel free to connect with

NOTE Confidence: 0.880359860476191

00:00:24.224 --> 00:00:25.897 speakers or attendees in between

NOTE Confidence: 0.880359860476191

00:00:25.897 --> 00:00:27.687 sessions by sending a direct

NOTE Confidence: 0.880359860476191

00:00:27.687 --> 00:00:29.400 message through the attendee tab.

NOTE Confidence: 0.880359860476191

00:00:29.400 --> 00:00:31.730 This session is being recorded. Thank you.

NOTE Confidence: 0.683888987

00:00:38.230 --> 00:00:40.990 Good morning again and our next

NOTE Confidence: 0.683888987

00:00:40.990 --> 00:00:42.830 speaker is Mario Strasser.

NOTE Confidence: 0.683888987

00:00:42.830 --> 00:00:45.252 Bosco, who is Professor of medicine at

NOTE Confidence: 0.683888987

00:00:45.252 --> 00:00:46.979 Yale University and currently serves

NOTE Confidence: 0.683888987

00:00:46.979 --> 00:00:49.380 as director of the Yield Liver Cancer

NOTE Confidence: 0.683888987

00:00:49.447 --> 00:00:51.792 program and could director of the Year

NOTE Confidence: 0.683888987

00:00:51.792 --> 00:00:54.350 Liver Center now before coming to Yale.

NOTE Confidence: 0.683888987

00:00:54.350 --> 00:00:56.611 As you know, Mario was was the

NOTE Confidence: 0.683888987

00:00:56.611 --> 00:00:58.769 founding chief end of the GI section

NOTE Confidence: 0.683888987

00:00:58.770 --> 00:01:02.110 of Osteopathy Riante of Bergamo,

NOTE Confidence: 0.683888987

00:01:02.110 --> 00:01:03.915 and was also medical director

NOTE Confidence: 0.683888987

00:01:03.915 --> 00:01:04.637 of Transportation.

NOTE Confidence: 0.683888987

00:01:04.640 --> 00:01:04.964 Transplantation,

NOTE Confidence: 0.683888987

00:01:04.964 --> 00:01:08.259 I am so glad to welcome all of you to

NOTE Confidence: 0.683888987

00:01:08.259 --> 00:01:10.436 the podium today and his talk will

NOTE Confidence: 0.683888987

00:01:10.436 --> 00:01:12.717 is entitled your liver going forward.

NOTE Confidence: 0.683888987

00:01:12.720 --> 00:01:13.688 Mario, please go ahead.

NOTE Confidence: 0.80450494

00:01:14.550 --> 00:01:16.650 Thank you very much.

NOTE Confidence: 0.80450494

00:01:16.650 --> 00:01:19.275 Get it for the introductions

NOTE Confidence: 0.80450494

00:01:19.280 --> 00:01:24.630 we have heard from Jim.

NOTE Confidence: 0.80450494

00:01:24.630 --> 00:01:26.289 Michael and Lupe.

NOTE Confidence: 0.80450494

00:01:26.289 --> 00:01:29.054 The terrific advancement and the

NOTE Confidence: 0.80450494
00:01:29.054 --> 00:01:32.242 contributions that came from from
NOTE Confidence: 0.80450494
00:01:32.242 --> 00:01:35.532 Yale and it's glorious history.
NOTE Confidence: 0.80450494
00:01:35.540 --> 00:01:38.468 Now we're going to shift gears,
NOTE Confidence: 0.80450494
00:01:38.470 --> 00:01:39.846 however, because.
NOTE Confidence: 0.80450494
00:01:39.846 --> 00:01:44.662 In order to transmit this legacy and
NOTE Confidence: 0.80450494
00:01:44.662 --> 00:01:48.307 increase the impact of this legacy.
NOTE Confidence: 0.80450494
00:01:48.310 --> 00:01:50.470 We need to look forward and
NOTE Confidence: 0.80450494
00:01:50.470 --> 00:01:53.090 we need to look forward with.
NOTE Confidence: 0.80450494
00:01:53.090 --> 00:01:55.085 Trying to think out of the box
NOTE Confidence: 0.80450494
00:01:55.090 --> 00:01:57.428 so the rest of the meeting will
NOTE Confidence: 0.80450494
00:01:57.428 --> 00:01:59.470 be actually a conversation.
NOTE Confidence: 0.80450494
00:01:59.470 --> 00:02:01.222 About how do we?
NOTE Confidence: 0.80450494
00:02:01.222 --> 00:02:03.412 How do we move on?
NOTE Confidence: 0.80450494
00:02:03.420 --> 00:02:04.676 To maintain this legacy
NOTE Confidence: 0.80450494
00:02:04.676 --> 00:02:06.560 and and of course I will,
NOTE Confidence: 0.80450494

00:02:06.560 --> 00:02:09.680 I will try to drop down
NOTE Confidence: 0.80450494

00:02:09.680 --> 00:02:11.240 some conversation items.
NOTE Confidence: 0.80450494

00:02:11.240 --> 00:02:14.572 And as Gary mentioned,
NOTE Confidence: 0.80450494

00:02:14.572 --> 00:02:18.534 I remind you that I was fortunate
NOTE Confidence: 0.80450494

00:02:18.534 --> 00:02:22.460 enough to spend 15 of the last 30
NOTE Confidence: 0.80450494

00:02:22.460 --> 00:02:25.100 years at year and also in Europe.
NOTE Confidence: 0.80450494

00:02:25.100 --> 00:02:27.975 So my view will clearly be
NOTE Confidence: 0.80450494

00:02:27.975 --> 00:02:30.650 a combination of the two.
NOTE Confidence: 0.80450494

00:02:30.650 --> 00:02:32.936 Umm? So.
NOTE Confidence: 0.80450494

00:02:32.936 --> 00:02:34.228 Give me.
NOTE Confidence: 0.77404735

00:02:38.660 --> 00:02:42.508 The present. Of of the pathology
NOTE Confidence: 0.77404735

00:02:42.508 --> 00:02:44.176 as being clearly highlighted
NOTE Confidence: 0.77404735

00:02:44.176 --> 00:02:46.459 by the previous speakers,
NOTE Confidence: 0.77404735

00:02:46.460 --> 00:02:50.987 we have had fantastic. UM?
NOTE Confidence: 0.77404735

00:02:50.987 --> 00:02:54.886 Achievement and they have been all mentioned,
NOTE Confidence: 0.77404735

00:02:54.890 --> 00:02:57.378 so I'm not going to go through them.

NOTE Confidence: 0.77404735

00:02:57.380 --> 00:03:00.320 But clearly Hepatology became

NOTE Confidence: 0.77404735

00:03:00.320 --> 00:03:03.653 from a discipline where we

NOTE Confidence: 0.77404735

00:03:03.653 --> 00:03:05.979 had very limited treatment,

NOTE Confidence: 0.77404735

00:03:05.979 --> 00:03:08.733 possibility to discipline that where we

NOTE Confidence: 0.77404735

00:03:08.733 --> 00:03:11.760 have an array of very sophisticated.

NOTE Confidence: 0.42231853325

00:03:14.410 --> 00:03:16.358 Me and my wife.

NOTE Confidence: 0.58537789

00:03:19.050 --> 00:03:24.390 Sizes. And later, on Scott Friedman

NOTE Confidence: 0.58537789

00:03:24.390 --> 00:03:28.240 will talk about the future.

NOTE Confidence: 0.58537789

00:03:28.240 --> 00:03:31.360 We what is expected to be.

NOTE Confidence: 0.58537789

00:03:31.360 --> 00:03:33.648 We have a tremendous

NOTE Confidence: 0.58537789

00:03:33.648 --> 00:03:36.508 possibilities that still are not.

NOTE Confidence: 0.58537789

00:03:36.510 --> 00:03:39.838 With us, but it's clearly we can see

NOTE Confidence: 0.58537789

00:03:39.838 --> 00:03:44.879 in in the fog the impact of official

NOTE Confidence: 0.58537789

00:03:44.879 --> 00:03:47.615 intelligence microbiome based therapy,

NOTE Confidence: 0.58537789

00:03:47.620 --> 00:03:48.816 gene therapy.

NOTE Confidence: 0.58537789

00:03:48.816 --> 00:03:51.806 Janitorial, pathology and so on.
NOTE Confidence: 0.58537789

00:03:51.810 --> 00:03:53.620 And I don't want to.
NOTE Confidence: 0.58537789

00:03:53.620 --> 00:03:56.830 Anticipate the sculptor.
NOTE Confidence: 0.58537789

00:03:56.830 --> 00:04:01.886 A lecture, but in the meanwhile we are.
NOTE Confidence: 0.58537789

00:04:01.890 --> 00:04:03.882 In between the present,
NOTE Confidence: 0.58537789

00:04:03.882 --> 00:04:07.138 the present runs away very fast and
NOTE Confidence: 0.58537789

00:04:07.138 --> 00:04:09.282 the future and we need to look at
NOTE Confidence: 0.58537789

00:04:09.282 --> 00:04:11.472 the landscape that we have and in
NOTE Confidence: 0.58537789

00:04:11.472 --> 00:04:13.690 front of us there is a mountain.
NOTE Confidence: 0.58537789

00:04:13.690 --> 00:04:16.329 A mountain that we need to claim,
NOTE Confidence: 0.58537789

00:04:16.330 --> 00:04:20.578 and it's a long and winding Rd before
NOTE Confidence: 0.58537789

00:04:20.578 --> 00:04:23.342 reaching adequate treatment for all
NOTE Confidence: 0.58537789

00:04:23.342 --> 00:04:25.538 patient will leave at this years.
NOTE Confidence: 0.58537789

00:04:25.540 --> 00:04:28.320 And so the present task,
NOTE Confidence: 0.58537789

00:04:28.320 --> 00:04:30.636 the task of the present day
NOTE Confidence: 0.58537789

00:04:30.636 --> 00:04:32.180 is in looking forward,

NOTE Confidence: 0.58537789

00:04:32.180 --> 00:04:36.026 is really to try to understand.

NOTE Confidence: 0.58537789

00:04:36.030 --> 00:04:39.726 How to best deliver the present care

NOTE Confidence: 0.58537789

00:04:39.730 --> 00:04:42.370 while bringing home the future science?

NOTE Confidence: 0.58537789

00:04:42.370 --> 00:04:45.450 Because if we continue.

NOTE Confidence: 0.58537789

00:04:45.450 --> 00:04:46.449 As we did,

NOTE Confidence: 0.58537789

00:04:46.449 --> 00:04:49.499 we will not be as successful as we were.

NOTE Confidence: 0.852781376363636

00:04:51.840 --> 00:04:54.768 So the question of receiving the

NOTE Confidence: 0.852781376363636

00:04:54.768 --> 00:04:57.400 legacy and transmitting a legacy.

NOTE Confidence: 0.852781376363636

00:04:57.400 --> 00:04:59.808 By increasing this legacy is what we

NOTE Confidence: 0.852781376363636

00:04:59.808 --> 00:05:02.731 need to discuss and it is clear that

NOTE Confidence: 0.852781376363636

00:05:02.731 --> 00:05:04.551 academic pathology has generated a

NOTE Confidence: 0.852781376363636

00:05:04.620 --> 00:05:07.292 tremendous therapeutic advances, however.

NOTE Confidence: 0.852781376363636

00:05:07.292 --> 00:05:10.604 Liver disease remains to this day

NOTE Confidence: 0.852781376363636

00:05:10.604 --> 00:05:13.668 and increasing global and national

NOTE Confidence: 0.852781376363636

00:05:13.668 --> 00:05:15.566 healthcare and social terms.

NOTE Confidence: 0.852781376363636

00:05:15.566 --> 00:05:18.450 And this is the second leading cause
NOTE Confidence: 0.852781376363636

00:05:18.529 --> 00:05:20.815 of years of working life lost.
NOTE Confidence: 0.852781376363636

00:05:20.820 --> 00:05:25.237 It is second only to cardiovascular disease.
NOTE Confidence: 0.852781376363636

00:05:25.240 --> 00:05:27.748 Well, the rise that well because
NOTE Confidence: 0.852781376363636

00:05:27.748 --> 00:05:30.354 liver disease that is actually the
NOTE Confidence: 0.852781376363636

00:05:30.354 --> 00:05:34.133 result of a syndemic of the number
NOTE Confidence: 0.852781376363636

00:05:34.133 --> 00:05:37.588 of epidemics that are preventable.
NOTE Confidence: 0.852781376363636

00:05:37.590 --> 00:05:40.705 We have millions and millions of people.
NOTE Confidence: 0.852781376363636

00:05:40.710 --> 00:05:45.064 Affected by hepatitis B and hepatitis C,
NOTE Confidence: 0.852781376363636

00:05:45.070 --> 00:05:46.827 we have a cure for hepatitis C,
NOTE Confidence: 0.852781376363636

00:05:46.830 --> 00:05:49.955 But still haven't really implemented
NOTE Confidence: 0.852781376363636

00:05:49.955 --> 00:05:53.072 his eradication. Alcohol is.
NOTE Confidence: 0.852781376363636

00:05:53.072 --> 00:05:57.806 Two 2.3 billion people habitually
NOTE Confidence: 0.852781376363636

00:05:57.806 --> 00:06:02.800 consume alcohol. 8% of them get.
NOTE Confidence: 0.852781376363636

00:06:02.800 --> 00:06:05.029 I call abuse.
NOTE Confidence: 0.852781376363636

00:06:05.029 --> 00:06:09.630 Alcohol use disease of the liver.

NOTE Confidence: 0.852781376363636
00:06:09.630 --> 00:06:13.602 650 million people classified the
NOTE Confidence: 0.852781376363636
00:06:13.602 --> 00:06:17.357 stabilizer 700 millions of diabetes,
NOTE Confidence: 0.852781376363636
00:06:17.360 --> 00:06:20.862 and in addition to this. 5 epidemics.
NOTE Confidence: 0.852781376363636
00:06:20.862 --> 00:06:24.468 The inequalities and the difficult access
NOTE Confidence: 0.852781376363636
00:06:24.468 --> 00:06:28.772 to care the presence of millions of
NOTE Confidence: 0.852781376363636
00:06:28.772 --> 00:06:32.650 population that are underserved is another.
NOTE Confidence: 0.852781376363636
00:06:32.650 --> 00:06:34.894 Goals contributing to live everything is
NOTE Confidence: 0.852781376363636
00:06:34.894 --> 00:06:38.394 and we know the contribution of the risk
NOTE Confidence: 0.852781376363636
00:06:38.394 --> 00:06:40.809 factor exponentially increases the risk.
NOTE Confidence: 0.852781376363636
00:06:40.810 --> 00:06:43.515 So if you look at the data for
NOTE Confidence: 0.852781376363636
00:06:43.515 --> 00:06:45.225 chronically with disease in the US,
NOTE Confidence: 0.852781376363636
00:06:45.230 --> 00:06:47.220 this data always with some
NOTE Confidence: 0.852781376363636
00:06:47.220 --> 00:06:48.414 kind of approximation.
NOTE Confidence: 0.852781376363636
00:06:48.420 --> 00:06:48.885 However,
NOTE Confidence: 0.852781376363636
00:06:48.885 --> 00:06:52.734 what is reported is that 4.5 million people
NOTE Confidence: 0.852781376363636

00:06:52.734 --> 00:06:55.782 are living with chronic liver disease.

NOTE Confidence: 0.852781376363636

00:06:55.790 --> 00:06:56.880 90,000 dash.

NOTE Confidence: 0.621398318

00:06:59.200 --> 00:07:01.840 Recorded 70% for cirrhosis,

NOTE Confidence: 0.621398318

00:07:01.840 --> 00:07:05.065 30% dying with liver cancer and

NOTE Confidence: 0.621398318

00:07:05.065 --> 00:07:08.000 this is increasing as respect to.

NOTE Confidence: 0.621398318

00:07:08.000 --> 00:07:10.790 2007 in addition, chronic liver

NOTE Confidence: 0.621398318

00:07:10.790 --> 00:07:14.888 disease caused the loss of 2.3 million

NOTE Confidence: 0.621398318

00:07:14.888 --> 00:07:18.562 disease adjusted life here in 2017.

NOTE Confidence: 0.621398318

00:07:18.562 --> 00:07:21.376 And on the right you can see

NOTE Confidence: 0.621398318

00:07:21.376 --> 00:07:23.794 this very interesting publication

NOTE Confidence: 0.621398318

00:07:23.794 --> 00:07:26.838 from the University Group.

NOTE Confidence: 0.621398318

00:07:26.840 --> 00:07:32.956 That look at the liver.

NOTE Confidence: 0.621398318

00:07:32.956 --> 00:07:36.058 Related loss in.

NOTE Confidence: 0.621398318

00:07:36.060 --> 00:07:37.980 Do you think Adjustive life here

NOTE Confidence: 0.621398318

00:07:37.980 --> 00:07:40.724 but 100,000 people and classify

NOTE Confidence: 0.621398318

00:07:40.724 --> 00:07:43.754 them by States and condition?

NOTE Confidence: 0.621398318

00:07:43.760 --> 00:07:47.320 And align them in a way of

NOTE Confidence: 0.621398318

00:07:47.320 --> 00:07:49.570 which you can see improving

NOTE Confidence: 0.621398318

00:07:49.570 --> 00:07:50.920 social demographic index.

NOTE Confidence: 0.621398318

00:07:50.920 --> 00:07:52.170 So you can see that.

NOTE Confidence: 0.867047455555556

00:07:54.800 --> 00:07:57.832 Poor social demographic condition

NOTE Confidence: 0.867047455555556

00:07:57.832 --> 00:08:01.622 in the US impact tremendously.

NOTE Confidence: 0.867047455555556

00:08:01.630 --> 00:08:05.566 Delay the disability adjusted life years

NOTE Confidence: 0.867047455555556

00:08:05.570 --> 00:08:10.389 for liver disease in the US and in fact.

NOTE Confidence: 0.867047455555556

00:08:10.390 --> 00:08:13.348 We know that leaving these years

NOTE Confidence: 0.867047455555556

00:08:13.350 --> 00:08:15.755 frequently affects the most vulnerable

NOTE Confidence: 0.867047455555556

00:08:15.755 --> 00:08:18.160 and underrepresented sector of society.

NOTE Confidence: 0.789253586

00:08:20.260 --> 00:08:23.110 And devices as these people.

NOTE Confidence: 0.789253586

00:08:23.110 --> 00:08:26.700 I don't know likely to remain unheard. So.

NOTE Confidence: 0.913209548

00:08:30.160 --> 00:08:32.350 The future is already here,

NOTE Confidence: 0.913209548

00:08:32.350 --> 00:08:36.133 but an evenly distributed. And.

NOTE Confidence: 0.913209548

00:08:36.133 --> 00:08:41.004 What we need to do? And this is a.
NOTE Confidence: 0.913209548

00:08:41.004 --> 00:08:43.500 Something that I heard from our own.
NOTE Confidence: 0.913209548

00:08:43.500 --> 00:08:46.090 Harlan krumholz.
NOTE Confidence: 0.913209548

00:08:46.090 --> 00:08:48.370 We need to realize that improving
NOTE Confidence: 0.913209548

00:08:48.370 --> 00:08:51.425 how we deliver care is perhaps as
NOTE Confidence: 0.913209548

00:08:51.425 --> 00:08:53.850 important as discovering new technology.
NOTE Confidence: 0.913209548

00:08:53.850 --> 00:08:55.620 There's no point in discovering
NOTE Confidence: 0.913209548

00:08:55.620 --> 00:08:57.390 new technologies that we cannot
NOTE Confidence: 0.913209548

00:08:57.390 --> 00:09:02.060 apply or apply only to. Few people.
NOTE Confidence: 0.913209548

00:09:02.060 --> 00:09:05.619 Well, Yale has always been. Value.
NOTE Confidence: 0.913209548

00:09:05.619 --> 00:09:08.762 Receptive to this concept and and and
NOTE Confidence: 0.913209548

00:09:08.762 --> 00:09:12.415 and try to also to be innovative and in
NOTE Confidence: 0.913209548

00:09:12.415 --> 00:09:16.408 fact back in 2012 and then in 2014 we.
NOTE Confidence: 0.913209548

00:09:16.408 --> 00:09:19.510 Already start thinking about how to
NOTE Confidence: 0.913209548

00:09:19.616 --> 00:09:23.096 apply the principle of value based.
NOTE Confidence: 0.913209548

00:09:23.100 --> 00:09:24.424 Medicine to have pathology.

NOTE Confidence: 0.913209548

00:09:24.424 --> 00:09:26.777 This was a meeting that we held

NOTE Confidence: 0.913209548

00:09:26.777 --> 00:09:28.877 under the edges of the liver center

NOTE Confidence: 0.913209548

00:09:28.877 --> 00:09:30.958 and when I say value based here,

NOTE Confidence: 0.913209548

00:09:30.960 --> 00:09:34.520 I don't imply value in terms of money.

NOTE Confidence: 0.913209548

00:09:34.520 --> 00:09:38.246 But as in the portal definition.

NOTE Confidence: 0.913209548

00:09:38.250 --> 00:09:39.025 Increase.

NOTE Confidence: 0.913209548

00:09:39.025 --> 00:09:42.125 Patient level value increased

NOTE Confidence: 0.913209548

00:09:42.125 --> 00:09:45.180 level level for the patient.

NOTE Confidence: 0.913209548

00:09:45.180 --> 00:09:47.462 We also, you know,

NOTE Confidence: 0.913209548

00:09:47.462 --> 00:09:50.317 published one of the first.

NOTE Confidence: 0.913209548

00:09:50.320 --> 00:09:54.156 Paper on on on the concept of value

NOTE Confidence: 0.913209548

00:09:54.156 --> 00:09:57.287 based care in a pathology and and back.

NOTE Confidence: 0.913209548

00:09:57.287 --> 00:09:59.730 At that time we we were considering

NOTE Confidence: 0.913209548

00:09:59.808 --> 00:10:02.863 the hepatology that highly intensity

NOTE Confidence: 0.913209548

00:10:02.863 --> 00:10:05.270 connective subspecialty that require

NOTE Confidence: 0.913209548

00:10:05.270 --> 00:10:06.450 multidisciplinary coordination,
NOTE Confidence: 0.913209548

00:10:06.450 --> 00:10:09.400 labor intensive support for critically,
NOTE Confidence: 0.913209548

00:10:09.400 --> 00:10:11.712 I'll patient and effective
NOTE Confidence: 0.913209548

00:10:11.712 --> 00:10:13.446 chronic disease management.
NOTE Confidence: 0.913209548

00:10:13.450 --> 00:10:16.816 And under the current system some.
NOTE Confidence: 0.913209548

00:10:16.820 --> 00:10:18.640 It could be difficult
NOTE Confidence: 0.913209548

00:10:18.640 --> 00:10:20.460 to align patient values,
NOTE Confidence: 0.913209548

00:10:20.460 --> 00:10:23.060 medical success and financial success.
NOTE Confidence: 0.913209548

00:10:23.060 --> 00:10:25.340 Now the formula that is on the right is the
NOTE Confidence: 0.913209548

00:10:25.396 --> 00:10:27.517 very well recognized as a formula value,
NOTE Confidence: 0.913209548

00:10:27.520 --> 00:10:28.108 but.
NOTE Confidence: 0.913209548

00:10:28.108 --> 00:10:31.394 There is more than that under
NOTE Confidence: 0.913209548

00:10:31.394 --> 00:10:33.458 the paradigm or the value care
NOTE Confidence: 0.913209548

00:10:33.458 --> 00:10:35.510 in a pathology in particular,
NOTE Confidence: 0.913209548

00:10:35.510 --> 00:10:40.207 the value based care requires team based
NOTE Confidence: 0.913209548

00:10:40.207 --> 00:10:42.220 multidisciplinary integrated service.

NOTE Confidence: 0.913209548

00:10:42.220 --> 00:10:44.505 Mike Matheson has alluded to

NOTE Confidence: 0.913209548

00:10:44.505 --> 00:10:47.500 that when he showed the variety

NOTE Confidence: 0.913209548

00:10:47.500 --> 00:10:51.000 and number of liver clinic.

NOTE Confidence: 0.913209548

00:10:51.000 --> 00:10:55.736 That we have that are devoted to specific.

NOTE Confidence: 0.913209548

00:10:55.740 --> 00:10:56.273 Conditions.

NOTE Confidence: 0.913209548

00:10:56.273 --> 00:11:00.537 In fact, the value based math is saying.

NOTE Confidence: 0.913209548

00:11:00.540 --> 00:11:01.876 Calls for liver services.

NOTE Confidence: 0.913209548

00:11:01.876 --> 00:11:04.371 Designed to meet the need of patient

NOTE Confidence: 0.913209548

00:11:04.371 --> 00:11:06.915 having in common and specific condition.

NOTE Confidence: 0.913209548

00:11:06.920 --> 00:11:09.930 That's requires integration of care.

NOTE Confidence: 0.913209548

00:11:09.930 --> 00:11:12.228 Difficult practice unit of program and

NOTE Confidence: 0.913209548

00:11:12.228 --> 00:11:14.693 this program must be designed around

NOTE Confidence: 0.913209548

00:11:14.693 --> 00:11:17.273 the Natural History of liver disease.

NOTE Confidence: 0.913209548

00:11:17.280 --> 00:11:17.970 But

NOTE Confidence: 0.877637016666667

00:11:20.580 --> 00:11:23.688 enable to collect.

NOTE Confidence: 0.877637016666667

00:11:23.690 --> 00:11:26.546 The value of which means the outcomes,
NOTE Confidence: 0.877637016666667

00:11:26.550 --> 00:11:30.374 the quality of life and the cost and.
NOTE Confidence: 0.877637016666667

00:11:30.380 --> 00:11:33.308 Have and be designed to facilitate
NOTE Confidence: 0.877637016666667

00:11:33.308 --> 00:11:35.938 the research and teaching on
NOTE Confidence: 0.877637016666667

00:11:35.938 --> 00:11:37.708 those specific conditions.
NOTE Confidence: 0.877637016666667

00:11:37.710 --> 00:11:40.486 As as Michael mentioned,
NOTE Confidence: 0.877637016666667

00:11:40.486 --> 00:11:45.380 we have several programs here at Yale.
NOTE Confidence: 0.877637016666667

00:11:45.380 --> 00:11:47.492 For for roses metabolically,
NOTE Confidence: 0.877637016666667

00:11:47.492 --> 00:11:49.604 the disease liver cancer,
NOTE Confidence: 0.877637016666667

00:11:49.610 --> 00:11:50.832 autoimmune cholestatic,
NOTE Confidence: 0.877637016666667

00:11:50.832 --> 00:11:53.276 transfer pathologist plus other
NOTE Confidence: 0.877637016666667

00:11:53.276 --> 00:11:56.842 that don't fit into the slide
NOTE Confidence: 0.877637016666667

00:11:56.842 --> 00:11:58.906 like viral potatis diseases.
NOTE Confidence: 0.877637016666667

00:11:58.910 --> 00:12:01.990 I could use a disorder and dependency and
NOTE Confidence: 0.877637016666667

00:12:01.990 --> 00:12:06.080 and in this table I'm trying to show.
NOTE Confidence: 0.877637016666667

00:12:06.080 --> 00:12:10.300 The multidisciplinary of of this

NOTE Confidence: 0.877637016666667
00:12:10.300 --> 00:12:14.520 programs how many departments and.
NOTE Confidence: 0.877637016666667
00:12:14.520 --> 00:12:18.104 Section and subspecialty actually
NOTE Confidence: 0.877637016666667
00:12:18.104 --> 00:12:20.452 contributes to the success of
NOTE Confidence: 0.877637016666667
00:12:20.452 --> 00:12:22.630 this clinic and you just said.
NOTE Confidence: 0.877637016666667
00:12:22.630 --> 00:12:24.720 To read through and understanding
NOTE Confidence: 0.877637016666667
00:12:24.720 --> 00:12:27.934 how each of these program actually is
NOTE Confidence: 0.877637016666667
00:12:27.934 --> 00:12:31.322 embedded and integrated in in a multi
NOTE Confidence: 0.877637016666667
00:12:31.322 --> 00:12:34.679 departmental and multidisciplinary activity.
NOTE Confidence: 0.877637016666667
00:12:34.680 --> 00:12:36.486 Just want to give you the
NOTE Confidence: 0.877637016666667
00:12:36.486 --> 00:12:38.120 example of one of them,
NOTE Confidence: 0.877637016666667
00:12:38.120 --> 00:12:40.700 which is the.
NOTE Confidence: 0.877637016666667
00:12:40.700 --> 00:12:43.370 Liver cancer program and it
NOTE Confidence: 0.877637016666667
00:12:43.370 --> 00:12:45.506 really takes a village.
NOTE Confidence: 0.877637016666667
00:12:45.510 --> 00:12:48.415 To deliver care to this complex patient.
NOTE Confidence: 0.877637016666667
00:12:48.420 --> 00:12:50.860 And the multi disciplinary approach
NOTE Confidence: 0.877637016666667

00:12:50.860 --> 00:12:53.300 includes the hepatology intervention and

NOTE Confidence: 0.877637016666667

00:12:53.364 --> 00:12:55.740 then osteology hepatobiliary surgery,

NOTE Confidence: 0.877637016666667

00:12:55.740 --> 00:12:57.576 pathology, medical oncology,

NOTE Confidence: 0.877637016666667

00:12:57.576 --> 00:12:58.800 transport theology,

NOTE Confidence: 0.877637016666667

00:12:58.800 --> 00:13:01.170 surgical and transplant surgery and

NOTE Confidence: 0.877637016666667

00:13:01.170 --> 00:13:04.902 you can see that you you hear you

NOTE Confidence: 0.877637016666667

00:13:04.902 --> 00:13:07.767 see like 30 colleagues and each of

NOTE Confidence: 0.877637016666667

00:13:07.767 --> 00:13:10.960 them is really a leader in his own.

NOTE Confidence: 0.877637016666667

00:13:10.960 --> 00:13:12.460 Field and skill.

NOTE Confidence: 0.877637016666667

00:13:12.460 --> 00:13:14.460 It's an amazing thing,

NOTE Confidence: 0.877637016666667

00:13:14.460 --> 00:13:17.388 and through this we can offer.

NOTE Confidence: 0.877637016666667

00:13:17.390 --> 00:13:20.822 Everything from resection through

NOTE Confidence: 0.877637016666667

00:13:20.822 --> 00:13:23.396 locoregional treatment to.

NOTE Confidence: 0.78310228

00:13:25.550 --> 00:13:28.210 Systemic treatment and transplant.

NOTE Confidence: 0.78310228

00:13:28.210 --> 00:13:31.026 Not only that, but we can,

NOTE Confidence: 0.78310228

00:13:31.026 --> 00:13:33.352 you know, monitor the patient,

NOTE Confidence: 0.78310228

00:13:33.352 --> 00:13:36.688 give a. Holistic approach and.

NOTE Confidence: 0.752241248333333

00:13:39.490 --> 00:13:45.196 Address the comorbidities and so on.

NOTE Confidence: 0.752241248333333

00:13:45.200 --> 00:13:48.494 In addition, a program like this has

NOTE Confidence: 0.752241248333333

00:13:48.494 --> 00:13:50.858 also the ability to collect outcomes,

NOTE Confidence: 0.752241248333333

00:13:50.860 --> 00:13:52.222 and this can be very important

NOTE Confidence: 0.752241248333333

00:13:52.222 --> 00:13:53.740 and I give you an example.

NOTE Confidence: 0.752241248333333

00:13:53.740 --> 00:13:57.205 So this is the output collection for.

NOTE Confidence: 0.752241248333333

00:13:57.210 --> 00:14:00.480 The epiphyseal casino mat seen

NOTE Confidence: 0.752241248333333

00:14:00.480 --> 00:14:04.200 in our clinic and stratified by.

NOTE Confidence: 0.752241248333333

00:14:04.200 --> 00:14:08.032 Treatment so it is well known that the

NOTE Confidence: 0.752241248333333

00:14:08.032 --> 00:14:12.096 treatment is determined by the by the cancer,

NOTE Confidence: 0.752241248333333

00:14:12.100 --> 00:14:14.740 but as you can see we can see the effect

NOTE Confidence: 0.752241248333333

00:14:14.815 --> 00:14:16.975 of people that are transplanted through

NOTE Confidence: 0.752241248333333

00:14:16.975 --> 00:14:20.442 a 10 year look and and the effect of

NOTE Confidence: 0.752241248333333

00:14:20.442 --> 00:14:22.880 people that receive other treatment.

NOTE Confidence: 0.752241248333333

00:14:22.880 --> 00:14:25.517 So this way we can do research and we
NOTE Confidence: 0.752241248333333

00:14:25.517 --> 00:14:28.316 can also understand what we are doing.
NOTE Confidence: 0.89482379125

00:14:30.510 --> 00:14:34.174 And and the fundamental thing here is that.
NOTE Confidence: 0.89482379125

00:14:34.180 --> 00:14:38.250 There is. Healthcare in cancer.
NOTE Confidence: 0.89482379125

00:14:38.250 --> 00:14:40.590 And excuse me, that is healthcare
NOTE Confidence: 0.89482379125

00:14:40.590 --> 00:14:42.634 and science and there is
NOTE Confidence: 0.89482379125

00:14:42.634 --> 00:14:44.278 science in the healthcare.
NOTE Confidence: 0.89482379125

00:14:44.280 --> 00:14:47.070 And and and the point is.
NOTE Confidence: 0.89482379125

00:14:47.070 --> 00:14:49.798 Going forward, given the.
NOTE Confidence: 0.925688849

00:14:53.220 --> 00:14:54.828 Size of the epidemiological
NOTE Confidence: 0.925688849

00:14:54.828 --> 00:14:57.240 problem that we need to face.
NOTE Confidence: 0.925688849

00:14:57.240 --> 00:14:59.880 We need to learn how to.
NOTE Confidence: 0.925688849

00:14:59.880 --> 00:15:02.176 Embed learning and science
NOTE Confidence: 0.925688849

00:15:02.176 --> 00:15:03.898 into the healthcare.
NOTE Confidence: 0.870168214285714

00:15:06.230 --> 00:15:09.828 In some way this is already happening.
NOTE Confidence: 0.870168214285714

00:15:09.830 --> 00:15:13.928 Because. I look at the publications

NOTE Confidence: 0.870168214285714
00:15:13.928 --> 00:15:16.052 that confirms believer.
NOTE Confidence: 0.870168214285714
00:15:16.052 --> 00:15:20.334 In the last 18 months. And divided
NOTE Confidence: 0.870168214285714
00:15:20.334 --> 00:15:22.903 by the affiliation of the lead out.
NOTE Confidence: 0.870168214285714
00:15:22.910 --> 00:15:25.078 So I have to say that many of
NOTE Confidence: 0.870168214285714
00:15:25.078 --> 00:15:26.410 these publications are actually.
NOTE Confidence: 0.870168214285714
00:15:26.410 --> 00:15:27.092 Very collaborative,
NOTE Confidence: 0.870168214285714
00:15:27.092 --> 00:15:29.138 but if you look at it.
NOTE Confidence: 0.929264014
00:15:31.900 --> 00:15:33.958 Hepatology is responsible
NOTE Confidence: 0.929264014
00:15:33.958 --> 00:15:37.070 for 44% of the publication,
NOTE Confidence: 0.929264014
00:15:37.070 --> 00:15:40.550 while the rest is actually distributed
NOTE Confidence: 0.929264014
00:15:40.550 --> 00:15:42.800 between internal medicine.
NOTE Confidence: 0.929264014
00:15:42.800 --> 00:15:46.452 Department of Imaging Endocrinology
NOTE Confidence: 0.929264014
00:15:46.452 --> 00:15:48.278 basically departments.
NOTE Confidence: 0.929264014
00:15:48.280 --> 00:15:51.770 Pathology School of Public Health.
NOTE Confidence: 0.929264014
00:15:51.770 --> 00:15:53.426 And so on and so forth.
NOTE Confidence: 0.929264014

00:15:53.430 --> 00:15:56.460 So mainly that there are hepatologists.
NOTE Confidence: 0.929264014

00:15:56.460 --> 00:16:00.096 In almost all of our departments,
NOTE Confidence: 0.929264014

00:16:00.100 --> 00:16:03.020 and they contribute not only
NOTE Confidence: 0.929264014

00:16:03.020 --> 00:16:04.628 to the care of the patient,
NOTE Confidence: 0.929264014

00:16:04.630 --> 00:16:09.180 but also to the science. And.
NOTE Confidence: 0.929264014

00:16:09.180 --> 00:16:11.996 So the other thing that we can establish
NOTE Confidence: 0.929264014

00:16:11.996 --> 00:16:14.737 is that leave a scholarship and
NOTE Confidence: 0.929264014

00:16:14.737 --> 00:16:17.182 practice at the transcend specialty.
NOTE Confidence: 0.929264014

00:16:17.190 --> 00:16:19.870 And Saxena and departmental boundaries.
NOTE Confidence: 0.893756466666667

00:16:23.580 --> 00:16:27.576 And I'm not alone in thinking
NOTE Confidence: 0.893756466666667

00:16:27.576 --> 00:16:29.574 this because recently.
NOTE Confidence: 0.893756466666667

00:16:29.580 --> 00:16:31.528 The Lancet, the Commission.
NOTE Confidence: 0.893756466666667

00:16:31.528 --> 00:16:33.963 Generated the work in collaboration
NOTE Confidence: 0.893756466666667

00:16:33.963 --> 00:16:35.766 with the European Association
NOTE Confidence: 0.893756466666667

00:16:35.766 --> 00:16:38.250 for the Study of the Liver.
NOTE Confidence: 0.893756466666667

00:16:38.250 --> 00:16:41.970 On, you know the future of.

NOTE Confidence: 0.893756466666667
00:16:41.970 --> 00:16:44.970 Care for liver patients and.
NOTE Confidence: 0.893756466666667
00:16:44.970 --> 00:16:46.662 Comcast and the leader.
NOTE Confidence: 0.893756466666667
00:16:46.662 --> 00:16:49.892 Also I'm quoting and I will quote in
NOTE Confidence: 0.893756466666667
00:16:49.892 --> 00:16:52.412 in a few a few times clearly says
NOTE Confidence: 0.893756466666667
00:16:52.412 --> 00:16:54.192 that although improvement in medicine
NOTE Confidence: 0.893756466666667
00:16:54.192 --> 00:16:56.279 have been driven by specialization,
NOTE Confidence: 0.893756466666667
00:16:56.280 --> 00:16:59.423 there is an increasing realization of the
NOTE Confidence: 0.893756466666667
00:16:59.423 --> 00:17:02.218 importance of multiple morbidities and
NOTE Confidence: 0.893756466666667
00:17:02.218 --> 00:17:05.208 hence the need for multidisciplinary.
NOTE Confidence: 0.893756466666667
00:17:05.210 --> 00:17:07.886 And then we need to challenge
NOTE Confidence: 0.893756466666667
00:17:07.886 --> 00:17:09.670 the protectionist and invite
NOTE Confidence: 0.893756466666667
00:17:09.753 --> 00:17:12.138 the broad range of stakeholder.
NOTE Confidence: 0.893756466666667
00:17:12.140 --> 00:17:14.990 And including.
NOTE Confidence: 0.893756466666667
00:17:14.990 --> 00:17:17.510 Physician trained in a pathology,
NOTE Confidence: 0.893756466666667
00:17:17.510 --> 00:17:21.690 obesity, diabetes and so on, and so forth.
NOTE Confidence: 0.893756466666667

00:17:21.690 --> 00:17:25.582 So to achieve care models oriented more
NOTE Confidence: 0.893756466666667

00:17:25.582 --> 00:17:29.050 towards the patient center liver care.
NOTE Confidence: 0.893756466666667

00:17:29.050 --> 00:17:32.978 Across classic America boundaries.
NOTE Confidence: 0.893756466666667

00:17:32.980 --> 00:17:35.842 And the lever center is the
NOTE Confidence: 0.893756466666667

00:17:35.842 --> 00:17:38.250 motor of all this as Michael.
NOTE Confidence: 0.539734897142857

00:17:40.310 --> 00:17:44.566 Showed in great detail. And all that.
NOTE Confidence: 0.539734897142857

00:17:44.570 --> 00:17:47.100 I believe if expanded could
NOTE Confidence: 0.539734897142857

00:17:47.100 --> 00:17:49.630 also inform the liver practice.
NOTE Confidence: 0.539734897142857

00:17:49.630 --> 00:17:52.396 You you saw already disliked and
NOTE Confidence: 0.539734897142857

00:17:52.396 --> 00:17:56.296 show how this research team is
NOTE Confidence: 0.539734897142857

00:17:56.296 --> 00:18:01.384 actually integrates many of our.
NOTE Confidence: 0.539734897142857

00:18:01.384 --> 00:18:03.556 Clinical programs.
NOTE Confidence: 0.539734897142857

00:18:03.560 --> 00:18:07.346 With the strong. The research base.
NOTE Confidence: 0.539734897142857

00:18:07.350 --> 00:18:10.074 And how they live?
NOTE Confidence: 0.539734897142857

00:18:10.074 --> 00:18:13.479 A center is multidisciplinary by.
NOTE Confidence: 0.539734897142857

00:18:13.480 --> 00:18:16.696 Definition and I'm gonna go into this slide

NOTE Confidence: 0.539734897142857
00:18:16.696 --> 00:18:19.479 again because Michael has shown you this,
NOTE Confidence: 0.539734897142857
00:18:19.480 --> 00:18:22.726 but what that says is that.
NOTE Confidence: 0.539734897142857
00:18:22.730 --> 00:18:25.962 This multidisciplinary and multi
NOTE Confidence: 0.539734897142857
00:18:25.962 --> 00:18:30.002 departmental approach is really ingrained.
NOTE Confidence: 0.539734897142857
00:18:30.010 --> 00:18:32.010 Into the motor of Yale,
NOTE Confidence: 0.539734897142857
00:18:32.010 --> 00:18:33.520 which is the liver center.
NOTE Confidence: 0.856689015
00:18:36.110 --> 00:18:39.150 But if pathology is most field of medicine
NOTE Confidence: 0.856689015
00:18:39.150 --> 00:18:41.955 is actually at the edge of a revolution.
NOTE Confidence: 0.856689015
00:18:41.960 --> 00:18:44.648 That will drastically change how we
NOTE Confidence: 0.856689015
00:18:44.648 --> 00:18:47.060 prevent diagnosis purely with disease,
NOTE Confidence: 0.856689015
00:18:47.060 --> 00:18:50.567 and this is something that we need
NOTE Confidence: 0.856689015
00:18:50.567 --> 00:18:55.920 to appreciate. And we need to also.
NOTE Confidence: 0.856689015
00:18:55.920 --> 00:18:59.106 Highlight the most liver disease is
NOTE Confidence: 0.856689015
00:18:59.106 --> 00:19:01.230 actually preventable and treatable.
NOTE Confidence: 0.856689015
00:19:01.230 --> 00:19:03.210 And also the risk factors of
NOTE Confidence: 0.856689015

00:19:03.210 --> 00:19:05.410 liver disease can be preventable.
NOTE Confidence: 0.856689015

00:19:05.410 --> 00:19:08.770 However, the clinical focus is impatiently,
NOTE Confidence: 0.856689015

00:19:08.770 --> 00:19:12.005 liver disease is oriented towards
NOTE Confidence: 0.856689015

00:19:12.005 --> 00:19:15.240 advanced disease and their complication.
NOTE Confidence: 0.856689015

00:19:15.240 --> 00:19:19.524 Rather than towards early
NOTE Confidence: 0.856689015

00:19:19.524 --> 00:19:21.666 irreversible disease.
NOTE Confidence: 0.856689015

00:19:21.670 --> 00:19:24.820 And this.
NOTE Confidence: 0.856689015

00:19:24.820 --> 00:19:27.290 Will require a fundamental shift.
NOTE Confidence: 0.815206358947368

00:19:29.390 --> 00:19:31.900 In which health promotion prevention
NOTE Confidence: 0.815206358947368

00:19:31.900 --> 00:19:34.410 and proactive case finding leading
NOTE Confidence: 0.815206358947368

00:19:34.488 --> 00:19:37.003 to early the identification of
NOTE Confidence: 0.815206358947368

00:19:37.003 --> 00:19:39.015 progressive disease and fibrosis.
NOTE Confidence: 0.815206358947368

00:19:39.020 --> 00:19:43.220 An early treatment will replace the emphasis.
NOTE Confidence: 0.815206358947368

00:19:43.220 --> 00:19:45.866 On the hospital base management of
NOTE Confidence: 0.815206358947368

00:19:45.866 --> 00:19:48.700 end stage liver disease complication.
NOTE Confidence: 0.815206358947368

00:19:48.700 --> 00:19:50.620 And this is a.

NOTE Confidence: 0.815206358947368
00:19:50.620 --> 00:19:54.322 Again, a beautiful picture from The Lancet
NOTE Confidence: 0.815206358947368
00:19:54.322 --> 00:19:57.860 Commission that I kind of rearranged,
NOTE Confidence: 0.815206358947368
00:19:57.860 --> 00:19:59.848 but it shows you on the left.
NOTE Confidence: 0.815206358947368
00:19:59.850 --> 00:20:03.680 The paradigm of liver disease.
NOTE Confidence: 0.815206358947368
00:20:03.680 --> 00:20:07.292 And progression so several insult to
NOTE Confidence: 0.815206358947368
00:20:07.292 --> 00:20:09.700 deliver generates fibro inflammatory
NOTE Confidence: 0.815206358947368
00:20:09.784 --> 00:20:13.011 response that can lead to cirrhosis and
NOTE Confidence: 0.815206358947368
00:20:13.011 --> 00:20:17.278 about the circus sinoma and a number
NOTE Confidence: 0.815206358947368
00:20:17.278 --> 00:20:21.108 of population based risk factors.
NOTE Confidence: 0.815206358947368
00:20:21.110 --> 00:20:24.478 Will concur to this.
NOTE Confidence: 0.815206358947368
00:20:24.480 --> 00:20:27.318 Outcome that we need to prevent.
NOTE Confidence: 0.815206358947368
00:20:27.320 --> 00:20:28.940 And to prevent this outcome,
NOTE Confidence: 0.815206358947368
00:20:28.940 --> 00:20:31.612 we need to stage.
NOTE Confidence: 0.815206358947368
00:20:31.612 --> 00:20:35.620 Intervention at 7:11 from population level.
NOTE Confidence: 0.815206358947368
00:20:35.620 --> 00:20:38.490 Management always factor treatment of
NOTE Confidence: 0.815206358947368

00:20:38.490 --> 00:20:43.580 early disease and early fibrosis and then.
NOTE Confidence: 0.815206358947368

00:20:43.580 --> 00:20:44.987 Hospital based treatment.
NOTE Confidence: 0.815206358947368

00:20:44.987 --> 00:20:49.120 So this is going to be a reversal
NOTE Confidence: 0.815206358947368

00:20:49.120 --> 00:20:52.052 of the current focus,
NOTE Confidence: 0.815206358947368

00:20:52.052 --> 00:20:55.044 which is increasingly focused on
NOTE Confidence: 0.815206358947368

00:20:55.044 --> 00:20:57.076 the management of complication.
NOTE Confidence: 0.815206358947368

00:20:57.080 --> 00:21:00.020 As we heard from a prior speakers.
NOTE Confidence: 0.815206358947368

00:21:00.020 --> 00:21:03.098 To a condition in which we will need to
NOTE Confidence: 0.815206358947368

00:21:03.098 --> 00:21:06.176 focus our our activity on the prevention,
NOTE Confidence: 0.815206358947368

00:21:06.180 --> 00:21:06.617 screening,
NOTE Confidence: 0.815206358947368

00:21:06.617 --> 00:21:08.802 early diagnosis and early therapy
NOTE Confidence: 0.815206358947368

00:21:08.802 --> 00:21:10.113 early this year.
NOTE Confidence: 0.815206358947368

00:21:10.120 --> 00:21:10.770 And this.
NOTE Confidence: 0.840220067368421

00:21:12.940 --> 00:21:15.592 To be achieved, we require sharing
NOTE Confidence: 0.840220067368421

00:21:15.592 --> 00:21:17.995 our responsibility for liver disease
NOTE Confidence: 0.840220067368421

00:21:17.995 --> 00:21:20.239 management between community based

NOTE Confidence: 0.840220067368421
00:21:20.239 --> 00:21:22.483 and hospital based providers.
NOTE Confidence: 0.840220067368421
00:21:22.490 --> 00:21:25.376 And you know to do this.
NOTE Confidence: 0.840220067368421
00:21:25.380 --> 00:21:28.260 We'll be facilitated by the digital
NOTE Confidence: 0.840220067368421
00:21:28.260 --> 00:21:30.180 transformation of a pathology.
NOTE Confidence: 0.840220067368421
00:21:30.180 --> 00:21:31.508 This is a beautiful.
NOTE Confidence: 0.750647688571429
00:21:33.520 --> 00:21:37.286 Paper just published on a pathology by.
NOTE Confidence: 0.750647688571429
00:21:37.290 --> 00:21:40.237 Our brothers and sisters from the Mayo
NOTE Confidence: 0.750647688571429
00:21:40.237 --> 00:21:42.528 Clinic and specifically by Vijay Shah,
NOTE Confidence: 0.750647688571429
00:21:42.530 --> 00:21:44.609 another year alumnus.
NOTE Confidence: 0.750647688571429
00:21:44.609 --> 00:21:48.767 That shows the impact that the
NOTE Confidence: 0.750647688571429
00:21:48.767 --> 00:21:51.741 appropriate use of information
NOTE Confidence: 0.750647688571429
00:21:51.741 --> 00:21:56.046 technology can impact the follow up.
NOTE Confidence: 0.750647688571429
00:21:56.046 --> 00:21:59.606 The early recognition of complication,
NOTE Confidence: 0.750647688571429
00:21:59.610 --> 00:22:04.035 the treatment of the preventive treatment
NOTE Confidence: 0.750647688571429
00:22:04.035 --> 00:22:08.049 of our patient, believe the disease.
NOTE Confidence: 0.750647688571429

00:22:08.050 --> 00:22:10.670 That could then be reached
NOTE Confidence: 0.750647688571429

00:22:10.670 --> 00:22:13.290 in a more effective way.
NOTE Confidence: 0.750647688571429

00:22:13.290 --> 00:22:15.430 Will be left to.
NOTE Confidence: 0.750647688571429

00:22:15.430 --> 00:22:17.670 Fight the stigma that.
NOTE Confidence: 0.73898338125

00:22:20.730 --> 00:22:24.370 Is often given to patients with liver
NOTE Confidence: 0.73898338125

00:22:24.370 --> 00:22:27.696 disease. We have working on that.
NOTE Confidence: 0.73898338125

00:22:27.696 --> 00:22:30.230 We are beginning to change certain definition
NOTE Confidence: 0.73898338125

00:22:30.293 --> 00:22:32.687 to change how certain diseases are called
NOTE Confidence: 0.73898338125

00:22:32.690 --> 00:22:35.396 and this is important because stigma.
NOTE Confidence: 0.73898338125

00:22:35.400 --> 00:22:38.376 Stigma is a bad bad effect on outcomes
NOTE Confidence: 0.73898338125

00:22:38.380 --> 00:22:41.930 will lead to delayed care and avoidance to
NOTE Confidence: 0.73898338125

00:22:41.930 --> 00:22:44.876 increase in the healthy behavior increase
NOTE Confidence: 0.73898338125

00:22:44.876 --> 00:22:47.356 in healthcare and social inequality.
NOTE Confidence: 0.73898338125

00:22:47.360 --> 00:22:49.200 Social isolation and increase
NOTE Confidence: 0.73898338125

00:22:49.200 --> 00:22:51.960 in number of people will live.
NOTE Confidence: 0.73898338125

00:22:51.960 --> 00:22:57.146 Who's the 360 degree? Effort that.

NOTE Confidence: 0.73898338125

00:22:57.146 --> 00:23:01.975 Will be based not only on hospitals,

NOTE Confidence: 0.73898338125

00:23:01.975 --> 00:23:06.870 but also outside. So.

NOTE Confidence: 0.73898338125

00:23:06.870 --> 00:23:12.078 And and we are used to think

NOTE Confidence: 0.73898338125

00:23:12.078 --> 00:23:14.200 to sustainability. You know,

NOTE Confidence: 0.73898338125

00:23:14.200 --> 00:23:17.751 as a as as a balance between the the best

NOTE Confidence: 0.73898338125

00:23:17.751 --> 00:23:20.619 possible outcomes and the affordable cost.

NOTE Confidence: 0.73898338125

00:23:20.620 --> 00:23:23.854 But there are new paradigms that are.

NOTE Confidence: 0.73898338125

00:23:23.860 --> 00:23:26.008 Coming in here.

NOTE Confidence: 0.73898338125

00:23:26.010 --> 00:23:30.834 And it's clearly shown in a paper also that.

NOTE Confidence: 0.73898338125

00:23:30.840 --> 00:23:32.705 Two of the authors are

NOTE Confidence: 0.73898338125

00:23:32.705 --> 00:23:34.197 actually from from Yale.

NOTE Confidence: 0.73898338125

00:23:34.200 --> 00:23:36.284 Have chair.

NOTE Confidence: 0.73898338125

00:23:36.284 --> 00:23:41.290 Generative pollution is a big problem.

NOTE Confidence: 0.73898338125

00:23:41.290 --> 00:23:44.122 4.5% of CO2 generation

NOTE Confidence: 0.73898338125

00:23:44.122 --> 00:23:47.940 is created by healthcare.

NOTE Confidence: 0.73898338125

00:23:47.940 --> 00:23:50.250 And we will soon be.
NOTE Confidence: 0.73898338125

00:23:50.250 --> 00:23:52.506 In a condition in which we will have
NOTE Confidence: 0.73898338125

00:23:52.506 --> 00:23:54.635 to decide whether or not to ask
NOTE Confidence: 0.73898338125

00:23:54.635 --> 00:23:56.450 for an ultrasound versus an MRI,
NOTE Confidence: 0.73898338125

00:23:56.450 --> 00:23:59.649 not only the basis of the cost.
NOTE Confidence: 0.73898338125

00:23:59.650 --> 00:24:03.010 But also whether we want to.
NOTE Confidence: 0.73898338125

00:24:03.010 --> 00:24:05.320 Generate 2 kilos of fuel,
NOTE Confidence: 0.73898338125

00:24:05.320 --> 00:24:10.012 2 or 300 kilos of CO2 so that
NOTE Confidence: 0.73898338125

00:24:10.012 --> 00:24:12.676 will add further complexity.
NOTE Confidence: 0.73898338125

00:24:12.680 --> 00:24:14.036 To what we need to do,
NOTE Confidence: 0.73898338125

00:24:14.040 --> 00:24:17.827 I have so in in in finishing.
NOTE Confidence: 0.73898338125

00:24:17.830 --> 00:24:19.474 I think they look at what
NOTE Confidence: 0.73898338125

00:24:19.474 --> 00:24:20.870 the future will hold for.
NOTE Confidence: 0.73898338125

00:24:20.870 --> 00:24:24.510 For a lever we can.
NOTE Confidence: 0.73898338125

00:24:24.510 --> 00:24:26.217 Staff from Sam.
NOTE Confidence: 0.73898338125

00:24:26.217 --> 00:24:28.493 Basis and statement that

NOTE Confidence: 0.73898338125

00:24:28.493 --> 00:24:30.990 hopefully will be shared.

NOTE Confidence: 0.73898338125

00:24:30.990 --> 00:24:32.250 There is a terrific amount

NOTE Confidence: 0.73898338125

00:24:32.250 --> 00:24:33.258 to leave a scholarship,

NOTE Confidence: 0.73898338125

00:24:33.260 --> 00:24:33.872 but yeah,

NOTE Confidence: 0.73898338125

00:24:33.872 --> 00:24:36.014 but this and this presents the section

NOTE Confidence: 0.73898338125

00:24:36.014 --> 00:24:38.060 on the departmental boundaries.

NOTE Confidence: 0.73898338125

00:24:38.060 --> 00:24:40.432 But it's very natural.

NOTE Confidence: 0.73898338125

00:24:40.432 --> 00:24:42.804 Hepatology is a multidisciplinary

NOTE Confidence: 0.73898338125

00:24:42.804 --> 00:24:44.440 multisystemic knowledge base.

NOTE Confidence: 0.73898338125

00:24:44.440 --> 00:24:47.760 Medicine that is practiced that

NOTE Confidence: 0.73898338125

00:24:47.760 --> 00:24:50.968 by scientists and physician

NOTE Confidence: 0.73898338125

00:24:50.968 --> 00:24:53.374 with diverse background.

NOTE Confidence: 0.73898338125

00:24:53.380 --> 00:24:55.700 The maintaining advantage excellence of

NOTE Confidence: 0.73898338125

00:24:55.700 --> 00:24:58.020 the liver will require understanding

NOTE Confidence: 0.73898338125

00:24:58.090 --> 00:25:00.426 of the challenge, innovative thinking,

NOTE Confidence: 0.73898338125

00:25:00.426 --> 00:25:03.666 planning, investment and the vision.

NOTE Confidence: 0.73898338125

00:25:03.670 --> 00:25:05.910 That is different from the

NOTE Confidence: 0.73898338125

00:25:05.910 --> 00:25:07.702 vision that we had.

NOTE Confidence: 0.73898338125

00:25:07.710 --> 00:25:09.770 To get to this point.

NOTE Confidence: 0.73898338125

00:25:09.770 --> 00:25:10.067 Also,

NOTE Confidence: 0.73898338125

00:25:10.067 --> 00:25:11.849 the clinical pathology is one of

NOTE Confidence: 0.73898338125

00:25:11.849 --> 00:25:13.441 those discipline that cannot be

NOTE Confidence: 0.73898338125

00:25:13.441 --> 00:25:15.066 separated from their research space.

NOTE Confidence: 0.73898338125

00:25:15.070 --> 00:25:16.978 This is very important and I

NOTE Confidence: 0.73898338125

00:25:16.978 --> 00:25:18.924 hope it transpires from the talk

NOTE Confidence: 0.73898338125

00:25:18.924 --> 00:25:21.134 before the research and clinical

NOTE Confidence: 0.73898338125

00:25:21.134 --> 00:25:23.514 pathologists must be fully integrated.

NOTE Confidence: 0.73898338125

00:25:23.520 --> 00:25:24.900 But to achieve this goal,

NOTE Confidence: 0.73898338125

00:25:24.900 --> 00:25:27.238 we need to develop a theme approach

NOTE Confidence: 0.73898338125

00:25:27.240 --> 00:25:30.666 and the culture of mutual support.

NOTE Confidence: 0.73898338125

00:25:30.670 --> 00:25:34.340 Because liver is at distracted.

NOTE Confidence: 0.73898338125
00:25:34.340 --> 00:25:37.430 Calls for a collaborative model.
NOTE Confidence: 0.73898338125
00:25:37.430 --> 00:25:38.687 And the NIH.
NOTE Confidence: 0.73898338125
00:25:38.687 --> 00:25:41.620 And I did give you the center
NOTE Confidence: 0.73898338125
00:25:41.722 --> 00:25:44.365 grant is an essential component,
NOTE Confidence: 0.73898338125
00:25:44.365 --> 00:25:47.440 and it's likely a blueprint.
NOTE Confidence: 0.73898338125
00:25:47.440 --> 00:25:48.634 For the future,
NOTE Confidence: 0.73898338125
00:25:48.634 --> 00:25:51.959 but it still has a so-called has to
NOTE Confidence: 0.73898338125
00:25:51.959 --> 00:25:54.540 have a narrow scientific cover focus,
NOTE Confidence: 0.73898338125
00:25:54.540 --> 00:25:56.940 and so it will not cover all the
NOTE Confidence: 0.73898338125
00:25:56.940 --> 00:25:58.770 needed opportunities and probably
NOTE Confidence: 0.73898338125
00:25:58.770 --> 00:26:00.600 to achieve this goal we should
NOTE Confidence: 0.73898338125
00:26:00.600 --> 00:26:02.780 create the House or yeah, leave it.
NOTE Confidence: 0.73898338125
00:26:02.780 --> 00:26:04.220 That would be instrumental.
NOTE Confidence: 0.73898338125
00:26:04.220 --> 00:26:05.688 To overcome sectional department
NOTE Confidence: 0.73898338125
00:26:05.688 --> 00:26:08.574 of Barriers and meet the need of a
NOTE Confidence: 0.73898338125

00:26:08.574 --> 00:26:10.134 patient from prevention to cure.
NOTE Confidence: 0.73898338125

00:26:10.140 --> 00:26:14.280 And if we will be able to do this.
NOTE Confidence: 0.73898338125

00:26:14.280 --> 00:26:18.936 Then the torch will be passed.
NOTE Confidence: 0.73898338125

00:26:18.940 --> 00:26:21.104 In due time, again,
NOTE Confidence: 0.73898338125

00:26:21.104 --> 00:26:24.350 whenever a new generation of libraries.
NOTE Confidence: 0.975123225

00:26:24.350 --> 00:26:25.230 Thank you very much.
NOTE Confidence: 0.800649111666667

00:26:34.970 --> 00:26:36.666 Thank you Mario 4IN.
NOTE Confidence: 0.800649111666667

00:26:36.666 --> 00:26:40.250 Very eloquent call to action and much needed.
NOTE Confidence: 0.800649111666667

00:26:40.250 --> 00:26:41.748 There was one question in the chat.
NOTE Confidence: 0.800649111666667

00:26:41.750 --> 00:26:44.322 I'd like to ask you and if you could
NOTE Confidence: 0.800649111666667

00:26:44.322 --> 00:26:46.418 give us a brief answer to it and
NOTE Confidence: 0.800649111666667

00:26:46.418 --> 00:26:48.490 then we would move to a short break.
NOTE Confidence: 0.800649111666667

00:26:48.490 --> 00:26:50.576 The question is about what do you
NOTE Confidence: 0.800649111666667

00:26:50.576 --> 00:26:52.800 think the role of tissue biorepository
NOTE Confidence: 0.800649111666667

00:26:52.800 --> 00:26:54.905 is in advancing clinical patient
NOTE Confidence: 0.800649111666667

00:26:54.905 --> 00:26:56.885 care as part of the integrated

NOTE Confidence: 0.800649111666667
00:26:56.885 --> 00:27:00.280 approach to solving liver disease.
NOTE Confidence: 0.7999299725
00:27:00.280 --> 00:27:04.046 Yeah, I think it is an essential
NOTE Confidence: 0.7999299725
00:27:04.046 --> 00:27:06.723 component in the afternoon.
NOTE Confidence: 0.7999299725
00:27:06.723 --> 00:27:12.290 At 10 you will will speak about the
NOTE Confidence: 0.7999299725
00:27:12.290 --> 00:27:15.522 effort that made that we are making to
NOTE Confidence: 0.7999299725
00:27:15.522 --> 00:27:18.170 have an institutional biorepository,
NOTE Confidence: 0.7999299725
00:27:18.170 --> 00:27:22.512 but I would like to spend one
NOTE Confidence: 0.7999299725
00:27:22.512 --> 00:27:26.538 word about the real importance of.
NOTE Confidence: 0.7999299725
00:27:26.540 --> 00:27:28.450 I wouldn't call it biopsy.
NOTE Confidence: 0.7999299725
00:27:28.450 --> 00:27:32.473 It is a biopsy, but it's called tissue based.
NOTE Confidence: 0.7999299725
00:27:32.480 --> 00:27:33.932 Analysis and research.
NOTE Confidence: 0.7999299725
00:27:33.932 --> 00:27:36.836 Because now we are going match
NOTE Confidence: 0.7999299725
00:27:36.836 --> 00:27:39.132 beyond the emetophilia housing
NOTE Confidence: 0.7999299725
00:27:39.132 --> 00:27:41.436 and and specific staining.
NOTE Confidence: 0.7999299725
00:27:41.440 --> 00:27:43.810 We can apply omics technology.
NOTE Confidence: 0.7999299725

00:27:43.810 --> 00:27:46.156 We can apply single cell technology.
NOTE Confidence: 0.7999299725

00:27:46.160 --> 00:27:48.710 There's a lot that the wealth
NOTE Confidence: 0.7999299725

00:27:48.710 --> 00:27:51.726 of information to gather from
NOTE Confidence: 0.7999299725

00:27:51.726 --> 00:27:55.336 that and to gather from.
NOTE Confidence: 0.7999299725

00:27:55.340 --> 00:27:56.672 Institutional biorepositories that
NOTE Confidence: 0.7999299725

00:27:56.672 --> 00:27:59.336 combine outcomes data and so on.
NOTE Confidence: 0.7999299725

00:27:59.340 --> 00:28:00.696 So great question Gary,
NOTE Confidence: 0.7999299725

00:28:00.696 --> 00:28:03.299 and I think this is part of the.
NOTE Confidence: 0.7999299725

00:28:03.300 --> 00:28:04.360 What the future will hold?
NOTE Confidence: 0.884391234444444

00:28:04.980 --> 00:28:06.108 Great, thanks very much.
NOTE Confidence: 0.884391234444444

00:28:06.108 --> 00:28:07.518 And now for the audience.
NOTE Confidence: 0.884391234444444

00:28:07.520 --> 00:28:10.400 We will be taking a short break until
NOTE Confidence: 0.884391234444444

00:28:10.400 --> 00:28:13.237 11:00 AM today in 15 minutes or so,
NOTE Confidence: 0.884391234444444

00:28:13.240 --> 00:28:15.440 so I'd appreciate if you take a few
NOTE Confidence: 0.884391234444444

00:28:15.440 --> 00:28:17.151 minutes to view the congratulation
NOTE Confidence: 0.884391234444444

00:28:17.151 --> 00:28:19.706 videos under the thank You Video tab.

NOTE Confidence: 0.884391234444444

00:28:19.710 --> 00:28:20.970 And I'll see you soon.