

WEBVTT

NOTE duration:"00:29:01"

NOTE recognizability:0.801

NOTE language:en-us

NOTE Confidence: 0.867130834285714

00:00:15.270 --> 00:00:17.040 Welcome back, this session is

NOTE Confidence: 0.867130834285714

00:00:17.040 --> 00:00:18.320 being recorded. Thank you.

NOTE Confidence: 0.885093311818182

00:00:27.430 --> 00:00:29.908 It's my pleasure to welcome our next

NOTE Confidence: 0.885093311818182

00:00:29.908 --> 00:00:31.510 speaker doctor Massimo Colombo.

NOTE Confidence: 0.885093311818182

00:00:31.510 --> 00:00:33.456 Who is head of the liver Center

NOTE Confidence: 0.885093311818182

00:00:33.456 --> 00:00:34.977 and general medicine at Saint

NOTE Confidence: 0.885093311818182

00:00:34.977 --> 00:00:36.225 Raphael Hospital in Milan,

NOTE Confidence: 0.885093311818182

00:00:36.230 --> 00:00:37.594 Italy and the Tadlow?

NOTE Confidence: 0.885093311818182

00:00:37.594 --> 00:00:40.350 This talk will be the open question.

NOTE Confidence: 0.885093311818182

00:00:40.350 --> 00:00:42.450 Doctor Colombo please go ahead.

NOTE Confidence: 0.885093311818182

00:00:42.450 --> 00:00:43.430 Thank you very much. Mr.

NOTE Confidence: 0.885093311818182

00:00:43.430 --> 00:00:44.714 Chairman Nadler chair.

NOTE Confidence: 0.885093311818182

00:00:44.714 --> 00:00:48.301 I would like to thank of course Doctor

NOTE Confidence: 0.885093311818182

00:00:48.301 --> 00:00:50.836 Michael Nathanson and Mario Strazza
NOTE Confidence: 0.885093311818182

00:00:50.836 --> 00:00:54.410 Busko for inviting me to be part of
NOTE Confidence: 0.885093311818182

00:00:54.410 --> 00:00:56.600 such a a terrific celebration of
NOTE Confidence: 0.885093311818182

00:00:56.600 --> 00:01:01.570 the 75 years of the Yale hepatology.
NOTE Confidence: 0.885093311818182

00:01:01.570 --> 00:01:03.858 I spent a couple of years in New
NOTE Confidence: 0.885093311818182

00:01:03.858 --> 00:01:05.510 York with Professor Hans Popper
NOTE Confidence: 0.885093311818182

00:01:05.510 --> 00:01:08.379 and to me in those years it was
NOTE Confidence: 0.885093311818182

00:01:08.379 --> 00:01:11.273 actually between 74 and 75.
NOTE Confidence: 0.885093311818182

00:01:11.273 --> 00:01:15.239 Professor Jar Casting was a myth
NOTE Confidence: 0.885093311818182

00:01:15.239 --> 00:01:18.070 completely that was often quoted
NOTE Confidence: 0.885093311818182

00:01:18.070 --> 00:01:20.190 during our leaving meeting,
NOTE Confidence: 0.885093311818182

00:01:20.190 --> 00:01:21.947 so it's a great honor to me.
NOTE Confidence: 0.885093311818182

00:01:21.950 --> 00:01:24.050 Be part of this celebration.
NOTE Confidence: 0.885093311818182

00:01:24.050 --> 00:01:26.588 Next line, please.
NOTE Confidence: 0.885093311818182

00:01:26.590 --> 00:01:29.506 And these are my conflicts next.
NOTE Confidence: 0.885093311818182

00:01:29.510 --> 00:01:32.432 I was asked the challenging task

NOTE Confidence: 0.885093311818182
00:01:32.432 --> 00:01:35.270 of discussing the open question,
NOTE Confidence: 0.885093311818182
00:01:35.270 --> 00:01:37.363 and in fact the selected 5 topics
NOTE Confidence: 0.885093311818182
00:01:37.363 --> 00:01:39.328 to discuss with you and the very
NOTE Confidence: 0.885093311818182
00:01:39.328 --> 00:01:41.569 first one an easy one in my opinion.
NOTE Confidence: 0.885093311818182
00:01:41.570 --> 00:01:44.080 A public health strategy for
NOTE Confidence: 0.885093311818182
00:01:44.080 --> 00:01:46.088 various petite is elimination.
NOTE Confidence: 0.885093311818182
00:01:46.090 --> 00:01:47.300 Next please.
NOTE Confidence: 0.811603401666667
00:01:50.810 --> 00:01:52.148 As you know, as you know,
NOTE Confidence: 0.811603401666667
00:01:52.150 --> 00:01:54.892 the World Health Organization in 2016
NOTE Confidence: 0.811603401666667
00:01:54.892 --> 00:01:57.177 through the World Health Assembly
NOTE Confidence: 0.811603401666667
00:01:57.177 --> 00:01:59.858 urge W join nation to cooperate in
NOTE Confidence: 0.811603401666667
00:01:59.858 --> 00:02:02.468 order to implement an articulate.
NOTE Confidence: 0.811603401666667
00:02:02.470 --> 00:02:04.110 The program of screening,
NOTE Confidence: 0.811603401666667
00:02:04.110 --> 00:02:06.160 prevention and treatment of various
NOTE Confidence: 0.811603401666667
00:02:06.160 --> 00:02:08.476 petitions with the aim of curbing
NOTE Confidence: 0.811603401666667

00:02:08.476 --> 00:02:10.321 delivered consequences of our appetites,
NOTE Confidence: 0.811603401666667

00:02:10.330 --> 00:02:12.290 including cancer liver cancer
NOTE Confidence: 0.811603401666667

00:02:12.290 --> 00:02:15.230 that were in at those times.
NOTE Confidence: 0.811603401666667

00:02:15.230 --> 00:02:17.430 There were approximately 5,000,000
NOTE Confidence: 0.811603401666667

00:02:17.430 --> 00:02:19.348 of people developing acute.
NOTE Confidence: 0.811603401666667

00:02:19.348 --> 00:02:22.620 That is the end of the year annually.
NOTE Confidence: 0.811603401666667

00:02:22.620 --> 00:02:25.060 1.75 million of acute infection with the PC.
NOTE Confidence: 0.811603401666667

00:02:25.060 --> 00:02:27.454 Half of them PWD, which of course,
NOTE Confidence: 0.811603401666667

00:02:27.460 --> 00:02:29.148 poses challenges in terms
NOTE Confidence: 0.811603401666667

00:02:29.148 --> 00:02:31.258 of the risk of reinfection,
NOTE Confidence: 0.811603401666667

00:02:31.260 --> 00:02:34.158 and there was going to project that
NOTE Confidence: 0.811603401666667

00:02:34.158 --> 00:02:37.507 the tools slow down the rate of new
NOTE Confidence: 0.811603401666667

00:02:37.507 --> 00:02:42.800 infections down to 470,000 in 2030 and
NOTE Confidence: 0.811603401666667

00:02:42.800 --> 00:02:45.387 175,000 in 20-30 of appetite, etc.
NOTE Confidence: 0.811603401666667

00:02:45.387 --> 00:02:47.695 So 90% reduction through
NOTE Confidence: 0.811603401666667

00:02:47.695 --> 00:02:50.003 an articulated strategy of.

NOTE Confidence: 0.811603401666667
00:02:50.010 --> 00:02:52.894 Prevention and and therapy that was meant
NOTE Confidence: 0.811603401666667
00:02:52.894 --> 00:02:57.040 to lead a substantial reduction of mortality,
NOTE Confidence: 0.811603401666667
00:02:57.040 --> 00:02:59.935 including mortality caused
NOTE Confidence: 0.811603401666667
00:02:59.935 --> 00:03:03.795 by liver cancer next.
NOTE Confidence: 0.811603401666667
00:03:03.800 --> 00:03:05.300 Unfortunately, this goal,
NOTE Confidence: 0.811603401666667
00:03:05.300 --> 00:03:07.300 in my personal opinion,
NOTE Confidence: 0.811603401666667
00:03:07.300 --> 00:03:11.989 seems hard to reach out because of the huge
NOTE Confidence: 0.811603401666667
00:03:11.989 --> 00:03:16.478 burden of chronic carriers of hepatitis
B&C,
NOTE Confidence: 0.811603401666667
00:03:16.480 --> 00:03:19.365 which is fueling the new
NOTE Confidence: 0.811603401666667
00:03:19.365 --> 00:03:21.673 cases of viral appetites,
NOTE Confidence: 0.811603401666667
00:03:21.680 --> 00:03:24.866 particularly located in those areas of
NOTE Confidence: 0.811603401666667
00:03:24.866 --> 00:03:28.262 the world where public health policies
NOTE Confidence: 0.811603401666667
00:03:28.262 --> 00:03:31.072 are lacking in those specific areas.
NOTE Confidence: 0.811603401666667
00:03:31.072 --> 00:03:31.888 In fact,
NOTE Confidence: 0.811603401666667
00:03:31.890 --> 00:03:34.162 the proportion of chronicle.

NOTE Confidence: 0.811603401666667
00:03:34.162 --> 00:03:37.002 Infected patients are very high
NOTE Confidence: 0.811603401666667
00:03:37.002 --> 00:03:39.309 compared to the Western area,
NOTE Confidence: 0.811603401666667
00:03:39.310 --> 00:03:41.872 and even more so challenging is the
NOTE Confidence: 0.811603401666667
00:03:41.872 --> 00:03:44.509 fact that only a tiny minority of
NOTE Confidence: 0.811603401666667
00:03:44.509 --> 00:03:47.139 the very few patients that have been
NOTE Confidence: 0.811603401666667
00:03:47.139 --> 00:03:50.361 diagnosed as carriers of hepatitis B or C,
NOTE Confidence: 0.811603401666667
00:03:50.370 --> 00:03:52.634 are receiving appropriate antiviral
NOTE Confidence: 0.811603401666667
00:03:52.634 --> 00:03:56.270 therapy for hepatitis B or hepatitis C.
NOTE Confidence: 0.811603401666667
00:03:56.270 --> 00:03:59.056 This means that we are dealing with
NOTE Confidence: 0.811603401666667
00:03:59.056 --> 00:04:01.760 more than 250 millions of chronically
NOTE Confidence: 0.811603401666667
00:04:01.760 --> 00:04:04.610 infected hepatitis B carriers and 51.
NOTE Confidence: 0.811603401666667
00:04:04.610 --> 00:04:07.683 Offer hepatitis C which are a little
NOTE Confidence: 0.811603401666667
00:04:07.683 --> 00:04:11.384 bit less than those predicted in the
NOTE Confidence: 0.811603401666667
00:04:11.384 --> 00:04:15.092 very beginning of the program because
NOTE Confidence: 0.811603401666667
00:04:15.092 --> 00:04:18.090 following the introduction of DAA
NOTE Confidence: 0.811603401666667

00:04:18.090 --> 00:04:22.060 therapy but currently the target of 2030,
NOTE Confidence: 0.811603401666667

00:04:22.060 --> 00:04:26.082 elimination in the range of 90% reduction,
NOTE Confidence: 0.811603401666667

00:04:26.082 --> 00:04:29.514 diagnosis and 80% of treatment appears
NOTE Confidence: 0.811603401666667

00:04:29.514 --> 00:04:33.171 to me unlikely to be reached next,
NOTE Confidence: 0.811603401666667

00:04:33.171 --> 00:04:33.772 please.
NOTE Confidence: 0.811603401666667

00:04:33.772 --> 00:04:34.974 In fact,
NOTE Confidence: 0.811603401666667

00:04:34.974 --> 00:04:40.360 if you look at this map of the
NOTE Confidence: 0.811603401666667

00:04:40.360 --> 00:04:44.470 worldwide distribution of the policy.
NOTE Confidence: 0.811603401666667

00:04:44.470 --> 00:04:46.018 The activities,
NOTE Confidence: 0.811603401666667

00:04:46.018 --> 00:04:49.888 including the prevention of transmission,
NOTE Confidence: 0.811603401666667

00:04:49.890 --> 00:04:51.786 screening and treatment programs
NOTE Confidence: 0.811603401666667

00:04:51.786 --> 00:04:53.208 you see here,
NOTE Confidence: 0.811603401666667

00:04:53.210 --> 00:04:58.378 the red circles define those areas
NOTE Confidence: 0.811603401666667

00:04:58.378 --> 00:05:01.426 in which policy are in place,
NOTE Confidence: 0.811603401666667

00:05:01.430 --> 00:05:02.754 the data being collected.
NOTE Confidence: 0.811603401666667

00:05:02.754 --> 00:05:05.198 So we are aware exactly the burden

NOTE Confidence: 0.811603401666667
00:05:05.198 --> 00:05:07.163 prevention of transmission is in
NOTE Confidence: 0.811603401666667
00:05:07.163 --> 00:05:09.152 place and screening and treatment
NOTE Confidence: 0.811603401666667
00:05:09.152 --> 00:05:11.581 is being carried out and the red
NOTE Confidence: 0.811603401666667
00:05:11.581 --> 00:05:13.421 circles are mostly concentrated.
NOTE Confidence: 0.811603401666667
00:05:13.421 --> 00:05:17.500 In the resource rich areas of the world,
NOTE Confidence: 0.811603401666667
00:05:17.500 --> 00:05:23.053 whereas in most places in Asia and in Africa,
NOTE Confidence: 0.811603401666667
00:05:23.060 --> 00:05:24.720 they are significantly lacking,
NOTE Confidence: 0.811603401666667
00:05:24.720 --> 00:05:27.210 and these are exactly the regional
NOTE Confidence: 0.811603401666667
00:05:27.281 --> 00:05:29.357 where the burden of our appetite,
NOTE Confidence: 0.811603401666667
00:05:29.360 --> 00:05:32.600 this is so I it is not hard to
NOTE Confidence: 0.811603401666667
00:05:32.600 --> 00:05:35.817 me to predict that by 23rd 30
NOTE Confidence: 0.811603401666667
00:05:35.817 --> 00:05:38.850 the goal of our expertise,
NOTE Confidence: 0.811603401666667
00:05:38.850 --> 00:05:41.268 elimination or elimination of the new
NOTE Confidence: 0.811603401666667
00:05:41.268 --> 00:05:44.507 cases of acute have to be UFC would be an.
NOTE Confidence: 0.811603401666667
00:05:44.510 --> 00:05:47.300 Are the goal to reach next
NOTE Confidence: 0.811603401666667

00:05:47.300 --> 00:05:50.189 and on the top of this?
NOTE Confidence: 0.811603401666667

00:05:50.190 --> 00:05:53.990 It is a useless to remind us that the COVID
NOTE Confidence: 0.76033544875

00:05:54.084 --> 00:05:57.270 pandemic has played a negative role.
NOTE Confidence: 0.76033544875

00:05:57.270 --> 00:06:00.255 I'd like to present this paper,
NOTE Confidence: 0.76033544875

00:06:00.255 --> 00:06:01.725 which is a little bit outdated
NOTE Confidence: 0.76033544875

00:06:01.725 --> 00:06:03.605 compared to the very last one that
NOTE Confidence: 0.76033544875

00:06:03.605 --> 00:06:04.970 have been published more recently,
NOTE Confidence: 0.76033544875

00:06:04.970 --> 00:06:07.190 but that was interesting contribution
NOTE Confidence: 0.76033544875

00:06:07.190 --> 00:06:10.566 because was based on a sub selecting
NOTE Confidence: 0.76033544875

00:06:10.566 --> 00:06:12.726 individual for civil society
NOTE Confidence: 0.76033544875

00:06:12.726 --> 00:06:14.886 organization and frontline and
NOTE Confidence: 0.76033544875

00:06:14.964 --> 00:06:17.404 protected service providers have been
NOTE Confidence: 0.76033544875

00:06:17.404 --> 00:06:20.892 interviewed in many parts of the world.
NOTE Confidence: 0.76033544875

00:06:20.892 --> 00:06:24.078 Actually, 32 WHO regions can significant
NOTE Confidence: 0.76033544875

00:06:24.078 --> 00:06:27.921 presence of the US regions that clearly
NOTE Confidence: 0.76033544875

00:06:27.921 --> 00:06:30.725 demonstrate that in the context of

NOTE Confidence: 0.76033544875
00:06:30.725 --> 00:06:33.466 apatite C elimination that has been
NOTE Confidence: 0.76033544875
00:06:33.466 --> 00:06:35.881 reduced access of individuals to
NOTE Confidence: 0.76033544875
00:06:35.881 --> 00:06:38.576 testing for a variety of reasons,
NOTE Confidence: 0.76033544875
00:06:38.576 --> 00:06:40.844 including the fact that the testing
NOTE Confidence: 0.76033544875
00:06:40.844 --> 00:06:42.604 facilities have been closed here
NOTE Confidence: 0.76033544875
00:06:42.604 --> 00:06:44.788 and there and the lack of treatment
NOTE Confidence: 0.76033544875
00:06:44.855 --> 00:06:46.899 access in many parts of the world,
NOTE Confidence: 0.76033544875
00:06:46.900 --> 00:06:51.110 with people uncertain whether to.
NOTE Confidence: 0.76033544875
00:06:51.110 --> 00:06:54.309 To to target or not treatment size.
NOTE Confidence: 0.76033544875
00:06:54.310 --> 00:06:57.831 So pulling all this contributed to a
NOTE Confidence: 0.76033544875
00:06:57.831 --> 00:07:00.885 further slowing down of the program
NOTE Confidence: 0.76033544875
00:07:00.885 --> 00:07:03.795 of our procrastination and my comment
NOTE Confidence: 0.76033544875
00:07:03.795 --> 00:07:07.284 on about this open question whether
NOTE Confidence: 0.76033544875
00:07:07.284 --> 00:07:10.194 marketization would be reached by
NOTE Confidence: 0.76033544875
00:07:10.200 --> 00:07:13.698 2030 is that we definitely need
NOTE Confidence: 0.76033544875

00:07:13.698 --> 00:07:15.447 more political will.
NOTE Confidence: 0.76033544875

00:07:15.450 --> 00:07:18.162 The lack of political will is
NOTE Confidence: 0.76033544875

00:07:18.162 --> 00:07:21.010 the main driver of Unsuccess.
NOTE Confidence: 0.76033544875

00:07:21.010 --> 00:07:26.850 In this program, at least in my opinion next.
NOTE Confidence: 0.76033544875

00:07:26.850 --> 00:07:29.055 The second topic I would love to
NOTE Confidence: 0.76033544875

00:07:29.055 --> 00:07:31.717 discuss with you is that the evolving
NOTE Confidence: 0.76033544875

00:07:31.717 --> 00:07:33.365 landscape of legal transplantation
NOTE Confidence: 0.76033544875

00:07:33.365 --> 00:07:36.542 with the aim of reconceptualizing the
NOTE Confidence: 0.76033544875

00:07:36.542 --> 00:07:40.070 criteria for listing next slide please.
NOTE Confidence: 0.76182368873

00:07:42.400 --> 00:07:46.054 A couple of months ago there has
NOTE Confidence: 0.76182368873

00:07:46.054 --> 00:07:48.940 been a very interesting and,
NOTE Confidence: 0.76182368873

00:07:48.940 --> 00:07:52.004 in my opinion, timely meeting.
NOTE Confidence: 0.76182368873

00:07:52.004 --> 00:07:55.798 Discussing the update of BCSC staging system.
NOTE Confidence: 0.76182368873

00:07:55.800 --> 00:07:58.230 As you know, the BCSC staging
NOTE Confidence: 0.76182368873

00:07:58.230 --> 00:08:00.356 system has been largely adopted
NOTE Confidence: 0.76182368873

00:08:00.356 --> 00:08:03.446 by the Western liver societies,

NOTE Confidence: 0.76182368873
00:08:03.446 --> 00:08:07.598 including easel and ASLD for
NOTE Confidence: 0.76182368873
00:08:07.598 --> 00:08:10.088 staging patients with LEAP with
NOTE Confidence: 0.76182368873
00:08:10.088 --> 00:08:12.920 primary liver cancer HCC actually.
NOTE Confidence: 0.76182368873
00:08:12.920 --> 00:08:17.342 And guiding to the more appropriate
NOTE Confidence: 0.76182368873
00:08:17.342 --> 00:08:20.332 treatment choice over the past year,
NOTE Confidence: 0.76182368873
00:08:20.332 --> 00:08:22.600 there have been a tremendous step
NOTE Confidence: 0.76182368873
00:08:22.671 --> 00:08:24.981 forward in the treatment of our
NOTE Confidence: 0.76182368873
00:08:24.981 --> 00:08:27.533 appetites BC which led to refining
NOTE Confidence: 0.76182368873
00:08:27.533 --> 00:08:29.883 the criteria for treating patients
NOTE Confidence: 0.76182368873
00:08:29.883 --> 00:08:32.386 with early detected liver cancer
NOTE Confidence: 0.76182368873
00:08:32.386 --> 00:08:34.558 with non transplant approaches,
NOTE Confidence: 0.76182368873
00:08:34.560 --> 00:08:37.283 therefore limiting a little bit of the
NOTE Confidence: 0.76182368873
00:08:37.283 --> 00:08:39.580 indication for liver transplantation.
NOTE Confidence: 0.76182368873
00:08:39.580 --> 00:08:43.366 But such an indication for listing.
NOTE Confidence: 0.76182368873
00:08:43.370 --> 00:08:47.210 Has been revitalized by the application
NOTE Confidence: 0.76182368873

00:08:47.210 --> 00:08:51.276 of a new modalities for downstaging
NOTE Confidence: 0.76182368873

00:08:51.276 --> 00:08:56.169 patients with the greater burden of liver.
NOTE Confidence: 0.76182368873

00:08:56.170 --> 00:08:59.956 Restricted the agency C in the
NOTE Confidence: 0.76182368873

00:08:59.960 --> 00:09:02.792 meaning that those patients with an
NOTE Confidence: 0.76182368873

00:09:02.792 --> 00:09:05.204 intermediate stage of liver cancer
NOTE Confidence: 0.76182368873

00:09:05.204 --> 00:09:07.898 that have been successfully now stage
NOTE Confidence: 0.76182368873

00:09:07.898 --> 00:09:10.627 through days or radio and motivation
NOTE Confidence: 0.76182368873

00:09:10.627 --> 00:09:13.665 are now more more often offer listed.
NOTE Confidence: 0.76182368873

00:09:13.670 --> 00:09:15.500 The list of liver transplantation
NOTE Confidence: 0.76182368873

00:09:15.500 --> 00:09:17.839 with a success which is comparable
NOTE Confidence: 0.76182368873

00:09:17.839 --> 00:09:20.497 to patients who were as historically
NOTE Confidence: 0.76182368873

00:09:20.497 --> 00:09:23.021 defined by Mazzaferro some 30 years ago
NOTE Confidence: 0.76182368873

00:09:23.021 --> 00:09:25.606 listed on the basis of the Milan criteria,
NOTE Confidence: 0.76182368873

00:09:25.606 --> 00:09:26.049 this.
NOTE Confidence: 0.76182368873

00:09:26.049 --> 00:09:29.150 Has led obviously to a reshuffle of
NOTE Confidence: 0.76182368873

00:09:29.237 --> 00:09:32.039 the listing criteria here and there.

NOTE Confidence: 0.76182368873

00:09:32.040 --> 00:09:34.104 There are some areas,

NOTE Confidence: 0.76182368873

00:09:34.104 --> 00:09:36.807 geographical areas in which many

NOTE Confidence: 0.76182368873

00:09:36.807 --> 00:09:39.992 centers are reluctant to expand

NOTE Confidence: 0.76182368873

00:09:39.992 --> 00:09:41.903 beyond Milan criteria,

NOTE Confidence: 0.76182368873

00:09:41.910 --> 00:09:43.766 but I would say that there are other

NOTE Confidence: 0.76182368873

00:09:43.766 --> 00:09:45.486 Centers for instance in the Far East.

NOTE Confidence: 0.76182368873

00:09:45.490 --> 00:09:49.778 Next slides please where?

NOTE Confidence: 0.76182368873

00:09:49.780 --> 00:09:51.145 Pushing the envelope.

NOTE Confidence: 0.76182368873

00:09:51.145 --> 00:09:53.420 A liver transplantation is being

NOTE Confidence: 0.76182368873

00:09:53.420 --> 00:09:55.871 offered also for advanced liver

NOTE Confidence: 0.76182368873

00:09:55.871 --> 00:09:58.316 cancer like the better cellular

NOTE Confidence: 0.76182368873

00:09:58.316 --> 00:10:00.102 castronova developing with portal

NOTE Confidence: 0.76182368873

00:10:00.102 --> 00:10:02.304 vein Thrombosis Limited to the 1st

NOTE Confidence: 0.76182368873

00:10:02.304 --> 00:10:05.568 and the 2nd degree portal vein,

NOTE Confidence: 0.76182368873

00:10:05.568 --> 00:10:08.728 including of course those with

NOTE Confidence: 0.76182368873

00:10:08.730 --> 00:10:11.340 thrombosis of the main trunk.

NOTE Confidence: 0.76182368873

00:10:11.340 --> 00:10:13.797 Support that trunk and as you see

NOTE Confidence: 0.76182368873

00:10:13.797 --> 00:10:15.884 here the overall survival rate

NOTE Confidence: 0.76182368873

00:10:15.884 --> 00:10:17.318 are rather interest.

NOTE Confidence: 0.76182368873

00:10:17.320 --> 00:10:20.446 Of course these are not ideal.

NOTE Confidence: 0.76182368873

00:10:20.450 --> 00:10:24.076 But if you compare this with the

NOTE Confidence: 0.76182368873

00:10:24.076 --> 00:10:25.630 classical reception approach,

NOTE Confidence: 0.76182368873

00:10:25.630 --> 00:10:29.338 you would appreciate the.

NOTE Confidence: 0.76182368873

00:10:29.340 --> 00:10:34.335 Go beyond the 50% survival at the Year 5.

NOTE Confidence: 0.76182368873

00:10:34.340 --> 00:10:36.368 Possibly some of them at least,

NOTE Confidence: 0.76182368873

00:10:36.370 --> 00:10:38.920 and they are possibly reaching out

NOTE Confidence: 0.76182368873

00:10:38.920 --> 00:10:41.764 to the 50% survival at five years,

NOTE Confidence: 0.76182368873

00:10:41.764 --> 00:10:44.110 which means that I could be

NOTE Confidence: 0.76182368873

00:10:44.189 --> 00:10:46.257 considered a viable option.

NOTE Confidence: 0.76182368873

00:10:46.260 --> 00:10:49.225 Obviously in my personal opinion

NOTE Confidence: 0.76182368873

00:10:49.225 --> 00:10:52.946 this should be limited and restricted

NOTE Confidence: 0.76182368873

00:10:52.946 --> 00:10:56.575 to trials could not be considered

NOTE Confidence: 0.76182368873

00:10:56.575 --> 00:10:59.550 to be a viable option.

NOTE Confidence: 0.76182368873

00:10:59.550 --> 00:11:02.525 For every day and the main reason

NOTE Confidence: 0.76182368873

00:11:02.525 --> 00:11:05.925 is that we still are dealing

NOTE Confidence: 0.76182368873

00:11:05.925 --> 00:11:08.629 with restricted availability of

NOTE Confidence: 0.76182368873

00:11:08.630 --> 00:11:13.100 donor organs next light list.

NOTE Confidence: 0.76182368873

00:11:13.100 --> 00:11:16.537 The second area I wish to touch

NOTE Confidence: 0.76182368873

00:11:16.540 --> 00:11:20.165 regarding the evolving landscape of

NOTE Confidence: 0.76182368873

00:11:20.165 --> 00:11:24.478 liver listing is alcohol and here

NOTE Confidence: 0.76182368873

00:11:24.478 --> 00:11:28.264 we would enjoy the presence of Nora.

NOTE Confidence: 0.76182368873

00:11:28.264 --> 00:11:29.800 Professor Nora, the road,

NOTE Confidence: 0.76182368873

00:11:29.800 --> 00:11:32.320 who has contributed a lot to this.

NOTE Confidence: 0.76182368873

00:11:32.320 --> 00:11:35.390 The pioneer was Phillip Maturana,

NOTE Confidence: 0.76182368873

00:11:35.390 --> 00:11:38.366 who in 2011 published in New

NOTE Confidence: 0.76182368873

00:11:38.366 --> 00:11:39.854 England at Peppa,

NOTE Confidence: 0.76182368873

00:11:39.860 --> 00:11:42.315 where he was able to
NOTE Confidence: 0.76182368873

00:11:42.315 --> 00:11:44.279 demonstrate that that listing.
NOTE Confidence: 0.76182368873

00:11:44.280 --> 00:11:46.605 Through early transplantation,
NOTE Confidence: 0.76182368873

00:11:46.605 --> 00:11:50.480 patients with a severe acute.
NOTE Confidence: 0.76182368873

00:11:50.480 --> 00:11:53.060 Alcoholic appetite is not responding
NOTE Confidence: 0.76182368873

00:11:53.060 --> 00:11:56.281 to steroid therapy resulted in a
NOTE Confidence: 0.76182368873

00:11:56.281 --> 00:11:58.537 significant increase of survival
NOTE Confidence: 0.76182368873

00:11:58.537 --> 00:12:00.793 compared to untreated patients.
NOTE Confidence: 0.8148215

00:12:00.800 --> 00:12:03.865 Actually untreated patient had the
NOTE Confidence: 0.8148215

00:12:03.865 --> 00:12:06.798 mortality rate of approximately 75%
NOTE Confidence: 0.8148215

00:12:06.798 --> 00:12:10.144 in six months compared to long term
NOTE Confidence: 0.8148215

00:12:10.144 --> 00:12:12.438 survivors of transplanted patient
NOTE Confidence: 0.8148215

00:12:12.438 --> 00:12:17.088 of the 7475 and these fit into the
NOTE Confidence: 0.8148215

00:12:17.088 --> 00:12:20.690 story domain of the alcoholic.
NOTE Confidence: 0.8148215

00:12:20.690 --> 00:12:23.738 Liver disease being transplanted in many
NOTE Confidence: 0.8148215

00:12:23.738 --> 00:12:27.698 parts of the world beyond the classical

NOTE Confidence: 0.8148215

00:12:27.698 --> 00:12:30.763 indication of listing for cirrhosis.

NOTE Confidence: 0.8148215

00:12:30.770 --> 00:12:33.315 Acute alcohol severe alcoholic patis

NOTE Confidence: 0.8148215

00:12:33.315 --> 00:12:36.638 is becoming more and more frequently

NOTE Confidence: 0.8148215

00:12:36.638 --> 00:12:40.088 transplanted even in our geographical

NOTE Confidence: 0.8148215

00:12:40.088 --> 00:12:43.450 region where historically cirrhosis was

NOTE Confidence: 0.8148215

00:12:43.450 --> 00:12:46.546 the endpoint of chronic alcoholic abuse.

NOTE Confidence: 0.8148215

00:12:46.550 --> 00:12:48.101 However, in Italy,

NOTE Confidence: 0.8148215

00:12:48.101 --> 00:12:51.203 and also in the Mediterranean basin,

NOTE Confidence: 0.8148215

00:12:51.210 --> 00:12:54.465 the prevalence of severe alcoholic

NOTE Confidence: 0.8148215

00:12:54.465 --> 00:12:58.769 patis on the rise following a change,

NOTE Confidence: 0.8148215

00:12:58.770 --> 00:13:00.696 a dramatic change in the pattern.

NOTE Confidence: 0.8148215

00:13:00.700 --> 00:13:03.140 Working with this binging ranking

NOTE Confidence: 0.8148215

00:13:03.140 --> 00:13:05.092 of the juvenile population.

NOTE Confidence: 0.8148215

00:13:05.100 --> 00:13:08.354 Of course, listing for acute, severe,

NOTE Confidence: 0.8148215

00:13:08.354 --> 00:13:12.626 acute colitis is a challenge because he has

NOTE Confidence: 0.8148215

00:13:12.626 --> 00:13:16.380 to fight against the stigmas and of course,

NOTE Confidence: 0.8148215

00:13:16.380 --> 00:13:20.670 also the reluctant of listing such

NOTE Confidence: 0.8148215

00:13:20.670 --> 00:13:23.530 a populations population versus

NOTE Confidence: 0.8148215

00:13:23.642 --> 00:13:27.608 other classical indication in a area

NOTE Confidence: 0.8148215

00:13:27.608 --> 00:13:31.119 where again the scarcity of the.

NOTE Confidence: 0.8148215

00:13:31.120 --> 00:13:32.176 Resources that,

NOTE Confidence: 0.8148215

00:13:32.176 --> 00:13:35.344 in terms of a donor organs,

NOTE Confidence: 0.8148215

00:13:35.350 --> 00:13:37.561 is persisting there.

NOTE Confidence: 0.8148215

00:13:37.561 --> 00:13:41.790 Despite the fact that the organizations

NOTE Confidence: 0.8148215

00:13:41.790 --> 00:13:46.270 and the leaves society do not endorse

NOTE Confidence: 0.8148215

00:13:46.270 --> 00:13:50.115 the six month rule of abstinence

NOTE Confidence: 0.8148215

00:13:50.115 --> 00:13:54.126 of sobriety to list patients with

NOTE Confidence: 0.8148215

00:13:54.126 --> 00:13:57.338 alcoholic related liver disease,

NOTE Confidence: 0.8148215

00:13:57.340 --> 00:14:01.468 early liver transplantation for a severe

NOTE Confidence: 0.8148215

00:14:01.468 --> 00:14:04.220 alcoholic hepatitis is experiencing

NOTE Confidence: 0.8148215

00:14:04.319 --> 00:14:07.309 some difficulties here and there.

NOTE Confidence: 0.8148215

00:14:07.310 --> 00:14:11.734 To be accepted as a routine approach,

NOTE Confidence: 0.8148215

00:14:11.740 --> 00:14:14.847 I understand that in America the

NOTE Confidence: 0.8148215

00:14:14.847 --> 00:14:17.395 transplantation of severe alcoholic

NOTE Confidence: 0.8148215

00:14:17.395 --> 00:14:20.642 hepatitis accounts for 2% of

NOTE Confidence: 0.8148215

00:14:20.642 --> 00:14:24.102 all the liver transplant that

NOTE Confidence: 0.8148215

00:14:24.102 --> 00:14:27.062 are performed in the US regions.

NOTE Confidence: 0.8148215

00:14:27.062 --> 00:14:27.848 Next slide,

NOTE Confidence: 0.8148215

00:14:27.850 --> 00:14:28.220 please.

NOTE Confidence: 0.803599861666667

00:14:31.270 --> 00:14:35.110 In America, guided by Doctor Nora,

NOTE Confidence: 0.803599861666667

00:14:35.110 --> 00:14:37.410 the road the American Consortium

NOTE Confidence: 0.803599861666667

00:14:37.410 --> 00:14:39.710 Overlay Transplantation pump is this

NOTE Confidence: 0.803599861666667

00:14:39.710 --> 00:14:43.850 paper that provides robust data,

NOTE Confidence: 0.803599861666667

00:14:43.850 --> 00:14:47.425 sponsoring the utilization of liver

NOTE Confidence: 0.803599861666667

00:14:47.425 --> 00:14:50.285 transplantation and early liver

NOTE Confidence: 0.803599861666667

00:14:50.285 --> 00:14:53.502 transplantation in patients who fail to

NOTE Confidence: 0.803599861666667

00:14:53.502 --> 00:14:56.610 be compliant with the abstinence window.
NOTE Confidence: 0.803599861666667

00:14:56.610 --> 00:15:00.880 12 Centers enrolled in eight units region.
NOTE Confidence: 0.803599861666667

00:15:00.880 --> 00:15:05.662 147 patients down in the controlled
NOTE Confidence: 0.803599861666667

00:15:05.662 --> 00:15:07.374 population not being transplanted,
NOTE Confidence: 0.803599861666667

00:15:07.380 --> 00:15:10.598 mortality was in the range of 70% at
NOTE Confidence: 0.803599861666667

00:15:10.598 --> 00:15:13.041 month 6 and the survival they were
NOTE Confidence: 0.803599861666667

00:15:13.041 --> 00:15:16.176 able to achieve the following liver
NOTE Confidence: 0.803599861666667

00:15:16.176 --> 00:15:18.328 transplantation was 84% with the
NOTE Confidence: 0.803599861666667

00:15:18.328 --> 00:15:20.464 better rate of survival for those
NOTE Confidence: 0.803599861666667

00:15:20.464 --> 00:15:23.485 who are in had remained abstinent
NOTE Confidence: 0.803599861666667

00:15:23.485 --> 00:15:25.036 after liver transplantation.
NOTE Confidence: 0.803599861666667

00:15:25.040 --> 00:15:29.527 Compared to those 70% that have some
NOTE Confidence: 0.803599861666667

00:15:29.527 --> 00:15:33.970 level of recidivism of alcohol use after.
NOTE Confidence: 0.803599861666667

00:15:33.970 --> 00:15:36.080 Liver transplantation.
NOTE Confidence: 0.766376941666667

00:15:39.300 --> 00:15:40.980 Sorry, here is minus A plus.
NOTE Confidence: 0.766376941666667

00:15:40.980 --> 00:15:44.830 Obviously that's is inverted next.

NOTE Confidence: 0.766376941666667
00:15:44.830 --> 00:15:46.969 Next slide please.
NOTE Confidence: 0.766376941666667
00:15:46.970 --> 00:15:50.687 The third topic to be discussed in
NOTE Confidence: 0.766376941666667
00:15:50.687 --> 00:15:52.938 the RECONCEPTUALIZING criteria of
NOTE Confidence: 0.766376941666667
00:15:52.938 --> 00:15:55.226 listing is liver transplantation
NOTE Confidence: 0.766376941666667
00:15:55.226 --> 00:15:57.514 for colorectal metastasis that
NOTE Confidence: 0.766376941666667
00:15:57.514 --> 00:16:00.459 are primarily indicated to liver
NOTE Confidence: 0.766376941666667
00:16:00.459 --> 00:16:02.747 transplant 2 liver section.
NOTE Confidence: 0.766376941666667
00:16:02.750 --> 00:16:05.456 Some years ago, colleagues in Oslo,
NOTE Confidence: 0.766376941666667
00:16:05.460 --> 00:16:08.715 Norway where they can enjoy
NOTE Confidence: 0.766376941666667
00:16:08.715 --> 00:16:11.877 a sufficient number of donor
NOTE Confidence: 0.766376941666667
00:16:11.877 --> 00:16:15.219 organ to test the other options.
NOTE Confidence: 0.766376941666667
00:16:15.220 --> 00:16:17.842 This was published they they were
NOTE Confidence: 0.766376941666667
00:16:17.842 --> 00:16:21.293 able to publish a paper in which
NOTE Confidence: 0.766376941666667
00:16:21.293 --> 00:16:23.988 the patients with normal selectable
NOTE Confidence: 0.766376941666667
00:16:23.988 --> 00:16:26.360 leading role in the testis,
NOTE Confidence: 0.766376941666667

00:16:26.360 --> 00:16:29.816 well defined with some response to
NOTE Confidence: 0.766376941666667

00:16:29.816 --> 00:16:33.089 chemotherapy and the time from the.
NOTE Confidence: 0.766376941666667

00:16:33.090 --> 00:16:35.424 Where is the liver fraction greater
NOTE Confidence: 0.766376941666667

00:16:35.424 --> 00:16:38.658 than one year to avoid the patients with
NOTE Confidence: 0.766376941666667

00:16:38.658 --> 00:16:41.196 an early metastasis from colorectal cancer,
NOTE Confidence: 0.766376941666667

00:16:41.196 --> 00:16:43.366 were able to demonstrate the
NOTE Confidence: 0.766376941666667

00:16:43.366 --> 00:16:45.399 benefit of liver transplantation.
NOTE Confidence: 0.766376941666667

00:16:45.400 --> 00:16:49.540 Now the Sakas second study was
NOTE Confidence: 0.766376941666667

00:16:49.540 --> 00:16:51.580 published a couple of years ago,
NOTE Confidence: 0.766376941666667

00:16:51.580 --> 00:16:53.620 demonstrating and convalidation
NOTE Confidence: 0.766376941666667

00:16:53.620 --> 00:16:56.340 validating those initial reports
NOTE Confidence: 0.766376941666667

00:16:56.340 --> 00:16:59.240 with an overall survival,
NOTE Confidence: 0.766376941666667

00:16:59.240 --> 00:17:03.384 which is considered to be very appealing.
NOTE Confidence: 0.766376941666667

00:17:03.390 --> 00:17:05.762 In this patient population,
NOTE Confidence: 0.766376941666667

00:17:05.762 --> 00:17:09.974 and particularly in those who have no
NOTE Confidence: 0.766376941666667

00:17:09.974 --> 00:17:13.824 evidence of liver disease and the survival,

NOTE Confidence: 0.766376941666667
00:17:13.830 --> 00:17:15.590 was definitely much better for
NOTE Confidence: 0.766376941666667
00:17:15.590 --> 00:17:17.350 those with the lowest score,
NOTE Confidence: 0.766376941666667
00:17:17.350 --> 00:17:19.945 the so-called form clinical risk
NOTE Confidence: 0.766376941666667
00:17:19.945 --> 00:17:22.540 called that accumulates some anatomical
NOTE Confidence: 0.766376941666667
00:17:22.612 --> 00:17:24.628 characteristic of the tumor,
NOTE Confidence: 0.766376941666667
00:17:24.630 --> 00:17:29.094 which is a greater than 200
NOTE Confidence: 0.766376941666667
00:17:29.094 --> 00:17:31.326 nanograms and the.
NOTE Confidence: 0.766376941666667
00:17:31.330 --> 00:17:36.242 Metastasis occurring after one
NOTE Confidence: 0.766376941666667
00:17:36.242 --> 00:17:40.154 year from primary cancer detection.
NOTE Confidence: 0.766376941666667
00:17:40.154 --> 00:17:42.167 All in all,
NOTE Confidence: 0.766376941666667
00:17:42.170 --> 00:17:44.986 this is is going to show us that
NOTE Confidence: 0.766376941666667
00:17:44.986 --> 00:17:48.274 there are other avenues to for
NOTE Confidence: 0.766376941666667
00:17:48.274 --> 00:17:51.784 treating patients were not responding
NOTE Confidence: 0.766376941666667
00:17:51.784 --> 00:17:53.890 to classical reception,
NOTE Confidence: 0.766376941666667
00:17:53.890 --> 00:17:57.817 although it is common belief that this
NOTE Confidence: 0.766376941666667

00:17:57.817 --> 00:18:01.370 should be retained in the context of.

NOTE Confidence: 0.766376941666667

00:18:01.370 --> 00:18:04.390 Control establish next slide please.

NOTE Confidence: 0.880744412222222

00:18:07.000 --> 00:18:08.135 And this is the algorithm

NOTE Confidence: 0.880744412222222

00:18:08.135 --> 00:18:09.043 that is being proposed,

NOTE Confidence: 0.880744412222222

00:18:09.050 --> 00:18:11.684 which is published in last telling

NOTE Confidence: 0.880744412222222

00:18:11.684 --> 00:18:14.756 us that there is a group of patients

NOTE Confidence: 0.880744412222222

00:18:14.756 --> 00:18:17.820 that are that should be evaluated

NOTE Confidence: 0.880744412222222

00:18:17.820 --> 00:18:20.770 for their biological behavior before

NOTE Confidence: 0.880744412222222

00:18:20.770 --> 00:18:24.278 being listed to liver transplantation,

NOTE Confidence: 0.880744412222222

00:18:24.280 --> 00:18:27.066 and then some of them are coming

NOTE Confidence: 0.880744412222222

00:18:27.066 --> 00:18:28.260 from the sacraments.

NOTE Confidence: 0.880744412222222

00:18:28.260 --> 00:18:29.816 Disease as we said.

NOTE Confidence: 0.880744412222222

00:18:29.816 --> 00:18:31.372 But also patients with

NOTE Confidence: 0.880744412222222

00:18:31.372 --> 00:18:32.760 the synchronous disease,

NOTE Confidence: 0.880744412222222

00:18:32.760 --> 00:18:34.864 provided they are biologically

NOTE Confidence: 0.880744412222222

00:18:34.864 --> 00:18:36.968 reactive can be listed.

NOTE Confidence: 0.880744412222222
00:18:36.970 --> 00:18:38.426 Liver transplantation,
NOTE Confidence: 0.880744412222222
00:18:38.426 --> 00:18:42.794 obviously in the context of a
NOTE Confidence: 0.880744412222222
00:18:42.800 --> 00:18:47.780 control studies only next slides.
NOTE Confidence: 0.880744412222222
00:18:47.780 --> 00:18:50.810 This is telling us the four
NOTE Confidence: 0.880744412222222
00:18:50.810 --> 00:18:52.830 that the liver transplantation
NOTE Confidence: 0.880744412222222
00:18:52.920 --> 00:18:55.360 is experiencing new avenues,
NOTE Confidence: 0.880744412222222
00:18:55.360 --> 00:18:58.276 but of course of limited application
NOTE Confidence: 0.880744412222222
00:18:58.276 --> 00:19:01.120 owing to the fact that the.
NOTE Confidence: 0.880744412222222
00:19:01.120 --> 00:19:04.284 Restriction of the donor
NOTE Confidence: 0.880744412222222
00:19:04.284 --> 00:19:07.448 organs everywhere it occurs,
NOTE Confidence: 0.880744412222222
00:19:07.450 --> 00:19:09.214 the the point that I wish to
NOTE Confidence: 0.880744412222222
00:19:09.214 --> 00:19:10.694 discuss with you is something
NOTE Confidence: 0.880744412222222
00:19:10.694 --> 00:19:12.680 that has particularly to do with
NOTE Confidence: 0.880744412222222
00:19:12.680 --> 00:19:14.408 Europe rather than with America.
NOTE Confidence: 0.880744412222222
00:19:14.410 --> 00:19:17.202 The struggle for HCC as planning to join
NOTE Confidence: 0.880744412222222

00:19:17.202 --> 00:19:19.887 the European umbrella of cancer screening.

NOTE Confidence: 0.880744412222222

00:19:19.890 --> 00:19:23.822 Next slide quite recently.

NOTE Confidence: 0.880744412222222

00:19:23.822 --> 00:19:27.754 Quite recently the European

NOTE Confidence: 0.880744412222222

00:19:27.754 --> 00:19:29.720 Commission released.

NOTE Confidence: 0.880744412222222

00:19:29.720 --> 00:19:33.199 A statement where by the wishes to

NOTE Confidence: 0.880744412222222

00:19:33.199 --> 00:19:37.006 apply screening to other types of cancer

NOTE Confidence: 0.880744412222222

00:19:37.006 --> 00:19:40.330 with respect to the classical breast,

NOTE Confidence: 0.880744412222222

00:19:40.330 --> 00:19:43.360 cervical and colorectal cancer that

NOTE Confidence: 0.880744412222222

00:19:43.360 --> 00:19:48.545 will be offered in a very in a very

NOTE Confidence: 0.880744412222222

00:19:48.545 --> 00:19:52.080 expanded manner by 2025 and to this end,

NOTE Confidence: 0.880744412222222

00:19:52.080 --> 00:19:54.342 the European Association for the Study

NOTE Confidence: 0.880744412222222

00:19:54.342 --> 00:19:56.660 of the Liver is being interviewed

NOTE Confidence: 0.880744412222222

00:19:56.660 --> 00:19:59.620 to give an answer on this and here.

NOTE Confidence: 0.880744412222222

00:19:59.620 --> 00:20:02.170 And my understanding is there

NOTE Confidence: 0.880744412222222

00:20:02.170 --> 00:20:04.210 there are conflicting opinions.

NOTE Confidence: 0.880744412222222

00:20:04.210 --> 00:20:05.218 Next slide please.

NOTE Confidence: 0.774572486166667
00:20:07.910 --> 00:20:10.542 Quite recently, let's say a couple of
NOTE Confidence: 0.774572486166667
00:20:10.542 --> 00:20:13.698 months ago there has been a very successful
NOTE Confidence: 0.774572486166667
00:20:13.698 --> 00:20:16.185 joint meeting between ASD and Esther
NOTE Confidence: 0.774572486166667
00:20:16.185 --> 00:20:18.485 regarding the endpoint liver cancer
NOTE Confidence: 0.774572486166667
00:20:18.485 --> 00:20:23.320 and then Doctor Natalie again, Carrie.
NOTE Confidence: 0.774572486166667
00:20:23.320 --> 00:20:26.022 Provide me with this slides that summarize
NOTE Confidence: 0.774572486166667
00:20:26.022 --> 00:20:28.209 these thought and these comments.
NOTE Confidence: 0.70855312225
00:20:30.460 --> 00:20:35.087 And she puts a light on this
NOTE Confidence: 0.70855312225
00:20:35.087 --> 00:20:37.058 controversial aspects of screening,
NOTE Confidence: 0.70855312225
00:20:37.058 --> 00:20:40.660 due mainly to the fact there is no
NOTE Confidence: 0.70855312225
00:20:40.660 --> 00:20:42.965 evidence that is cost effective
NOTE Confidence: 0.70855312225
00:20:42.965 --> 00:20:46.101 in overall next light and to the
NOTE Confidence: 0.70855312225
00:20:46.101 --> 00:20:48.513 point that the colleague of ours,
NOTE Confidence: 0.70855312225
00:20:48.520 --> 00:20:50.053 Doctor Peter Jefferson,
NOTE Confidence: 0.70855312225
00:20:50.053 --> 00:20:53.630 wrote a nice article telling that we
NOTE Confidence: 0.70855312225

00:20:53.724 --> 00:20:56.844 need a stronger evidence for deciding
NOTE Confidence: 0.70855312225

00:20:56.844 --> 00:20:59.610 to run the Protostellar casino.
NOTE Confidence: 0.70855312225

00:20:59.610 --> 00:21:00.460 Slides, please.
NOTE Confidence: 0.800854282333333

00:21:02.760 --> 00:21:05.384 I wish to remind you that here in
NOTE Confidence: 0.800854282333333

00:21:05.384 --> 00:21:07.242 America there are modeling studies
NOTE Confidence: 0.800854282333333

00:21:07.242 --> 00:21:10.327 indicated that there is a rise in the
NOTE Confidence: 0.800854282333333

00:21:10.327 --> 00:21:12.212 HCV incidence among patients with
NOTE Confidence: 0.800854282333333

00:21:12.212 --> 00:21:15.430 the SVR and this might represent the
NOTE Confidence: 0.800854282333333

00:21:15.430 --> 00:21:18.280 next ideal target for screening.
NOTE Confidence: 0.800854282333333

00:21:18.280 --> 00:21:21.128 Next lines and it has been in fact
NOTE Confidence: 0.800854282333333

00:21:21.128 --> 00:21:24.092 predicted that in a few years this will
NOTE Confidence: 0.800854282333333

00:21:24.092 --> 00:21:26.216 represent the majority of patients
NOTE Confidence: 0.800854282333333

00:21:26.216 --> 00:21:29.013 requiring screening next slides, please.
NOTE Confidence: 0.800854282333333

00:21:29.013 --> 00:21:31.491 And the recent paper and modeling
NOTE Confidence: 0.800854282333333

00:21:31.491 --> 00:21:34.583 is telling us that for SVR patients
NOTE Confidence: 0.800854282333333

00:21:34.583 --> 00:21:37.241 with advanced fibrosis and those with

NOTE Confidence: 0.800854282333333
00:21:37.323 --> 00:21:39.878 roses screening is cost effective.
NOTE Confidence: 0.800854282333333
00:21:39.880 --> 00:21:43.300 But with the warning that perhaps
NOTE Confidence: 0.800854282333333
00:21:43.300 --> 00:21:45.565 the annual surveillance should be
NOTE Confidence: 0.800854282333333
00:21:45.565 --> 00:21:48.800 stopped at the age of 60 in the in,
NOTE Confidence: 0.800854282333333
00:21:48.800 --> 00:21:52.545 those who are cured and have advanced
NOTE Confidence: 0.800854282333333
00:21:52.545 --> 00:21:55.603 fibrosis versus those with Serositis whose
NOTE Confidence: 0.800854282333333
00:21:55.603 --> 00:22:00.888 age can be use surveillance program can be.
NOTE Confidence: 0.800854282333333
00:22:00.890 --> 00:22:02.885 Running up to the age of 70,
NOTE Confidence: 0.800854282333333
00:22:02.890 --> 00:22:05.123 I'm not sure that this model would
NOTE Confidence: 0.800854282333333
00:22:05.123 --> 00:22:07.260 apply to the European Mediterranean
NOTE Confidence: 0.800854282333333
00:22:07.260 --> 00:22:10.025 for this situation where commuted,
NOTE Confidence: 0.800854282333333
00:22:10.030 --> 00:22:11.730 the tightest causes serious at
NOTE Confidence: 0.800854282333333
00:22:11.730 --> 00:22:12.750 an advanced age,
NOTE Confidence: 0.800854282333333
00:22:12.750 --> 00:22:15.590 and most patients are older than those seen,
NOTE Confidence: 0.800854282333333
00:22:15.590 --> 00:22:17.936 for instance, in America's next slides.
NOTE Confidence: 0.87356766

00:22:20.840 --> 00:22:22.690 In the end, they calculated
NOTE Confidence: 0.87356766

00:22:22.690 --> 00:22:24.743 that doing this way screening
NOTE Confidence: 0.87356766

00:22:24.743 --> 00:22:27.608 is cost effective. Next slide.
NOTE Confidence: 0.7015441815

00:22:29.620 --> 00:22:32.026 The four topping is the expanding
NOTE Confidence: 0.7015441815

00:22:32.026 --> 00:22:33.630 the liver exposure man.
NOTE Confidence: 0.7015441815

00:22:33.630 --> 00:22:35.605 Whether pathology should care about
NOTE Confidence: 0.7015441815

00:22:35.605 --> 00:22:37.130 their pollution. Maximize this.
NOTE Confidence: 0.736610473533334

00:22:40.020 --> 00:22:42.120 You are aware that there are a
NOTE Confidence: 0.736610473533334

00:22:42.120 --> 00:22:43.483 number of experimental studies
NOTE Confidence: 0.736610473533334

00:22:43.483 --> 00:22:45.493 modeling demonstrating that the the
NOTE Confidence: 0.736610473533334

00:22:45.493 --> 00:22:47.575 components of air pollution may
NOTE Confidence: 0.736610473533334

00:22:47.575 --> 00:22:49.640 cause liver disease that various
NOTE Confidence: 0.736610473533334

00:22:49.640 --> 00:22:51.292 levels through different mechanisms.
NOTE Confidence: 0.736610473533334

00:22:51.300 --> 00:22:54.804 Here they are listed, including muffled
NOTE Confidence: 0.736610473533334

00:22:54.804 --> 00:22:57.948 deal method and Type 2 diabetes.
NOTE Confidence: 0.736610473533334

00:22:57.950 --> 00:23:00.910 Some of the mechanism causing

NOTE Confidence: 0.736610473533334
00:23:00.910 --> 00:23:04.454 hepatotoxicity are similar to those that
NOTE Confidence: 0.736610473533334
00:23:04.454 --> 00:23:07.898 are acting enough of the generated by
NOTE Confidence: 0.736610473533334
00:23:07.898 --> 00:23:11.250 labor labor lipotoxicity next slides.
NOTE Confidence: 0.736610473533334
00:23:11.250 --> 00:23:13.574 This is an interesting study that I
NOTE Confidence: 0.736610473533334
00:23:13.574 --> 00:23:15.711 would leave to Michael Trainer and
NOTE Confidence: 0.736610473533334
00:23:15.711 --> 00:23:18.217 Jim Boyer to comment where a group
NOTE Confidence: 0.736610473533334
00:23:18.290 --> 00:23:19.990 of scientists demonstrated that
NOTE Confidence: 0.736610473533334
00:23:19.990 --> 00:23:22.540 the components of a polluted air
NOTE Confidence: 0.736610473533334
00:23:22.540 --> 00:23:25.360 are able to interact with biases
NOTE Confidence: 0.736610473533334
00:23:25.360 --> 00:23:28.005 and lipid metabolites to generate
NOTE Confidence: 0.736610473533334
00:23:28.005 --> 00:23:30.725 liver inflammation and exasperate
NOTE Confidence: 0.736610473533334
00:23:30.725 --> 00:23:35.170 the progression method. Next slide.
NOTE Confidence: 0.736610473533334
00:23:35.170 --> 00:23:39.074 Next please, but there is also no no.
NOTE Confidence: 0.736610473533334
00:23:39.074 --> 00:23:41.826 Can you go back sorry, thank you,
NOTE Confidence: 0.736610473533334
00:23:41.826 --> 00:23:43.666 but there is also epidemiological
NOTE Confidence: 0.736610473533334

00:23:43.666 --> 00:23:45.170 evidence coming from China.
NOTE Confidence: 0.736610473533334

00:23:45.170 --> 00:23:48.747 This large area in China where with
NOTE Confidence: 0.736610473533334

00:23:48.747 --> 00:23:51.446 the satellite analysis we're able
NOTE Confidence: 0.736610473533334

00:23:51.446 --> 00:23:54.668 to measure the air concentration of
NOTE Confidence: 0.736610473533334

00:23:54.668 --> 00:23:57.426 pollutants and correlate the findings
NOTE Confidence: 0.736610473533334

00:23:57.426 --> 00:24:00.071 with the prevalence of muffled
NOTE Confidence: 0.736610473533334

00:24:00.071 --> 00:24:02.722 in the population that were part
NOTE Confidence: 0.736610473533334

00:24:02.722 --> 00:24:05.110 of the registry and then ongoing.
NOTE Confidence: 0.736610473533334

00:24:05.110 --> 00:24:07.025 Prospective studies and there were
NOTE Confidence: 0.736610473533334

00:24:07.025 --> 00:24:09.720 demonstrated to find a direct correlation,
NOTE Confidence: 0.736610473533334

00:24:09.720 --> 00:24:14.196 although not with the linear correlation
NOTE Confidence: 0.736610473533334

00:24:14.200 --> 00:24:17.840 between exposure to air pollution,
NOTE Confidence: 0.736610473533334

00:24:17.840 --> 00:24:18.603 pollution,
NOTE Confidence: 0.736610473533334

00:24:18.603 --> 00:24:20.129 and muffle,
NOTE Confidence: 0.736610473533334

00:24:20.129 --> 00:24:24.707 the incidents in those areas next.
NOTE Confidence: 0.736610473533334

00:24:24.710 --> 00:24:27.349 There is a conundrum I pick up.

NOTE Confidence: 0.736610473533334
00:24:27.350 --> 00:24:29.450 This paper demonstrated that we
NOTE Confidence: 0.736610473533334
00:24:29.450 --> 00:24:31.550 are being overexposed to methane,
NOTE Confidence: 0.736610473533334
00:24:31.550 --> 00:24:33.728 which is of course an esthetician
NOTE Confidence: 0.736610473533334
00:24:33.730 --> 00:24:36.826 gas which of course is toxic to us
NOTE Confidence: 0.736610473533334
00:24:36.826 --> 00:24:38.948 because displaces oxygen for there.
NOTE Confidence: 0.736610473533334
00:24:38.950 --> 00:24:42.015 But interestingly enough there are
NOTE Confidence: 0.736610473533334
00:24:42.015 --> 00:24:44.467 experimental eclinical data suggesting
NOTE Confidence: 0.736610473533334
00:24:44.467 --> 00:24:49.590 that nothing has a protective action against.
NOTE Confidence: 0.736610473533334
00:24:49.590 --> 00:24:50.496 Liver inflammation,
NOTE Confidence: 0.736610473533334
00:24:50.496 --> 00:24:53.214 so to some extent is counterbalanced,
NOTE Confidence: 0.736610473533334
00:24:53.220 --> 00:24:55.780 and to end up in my presentation next.
NOTE Confidence: 0.644596126846154
00:24:58.460 --> 00:25:00.338 Whether artificial intelligence is going to
NOTE Confidence: 0.644596126846154
00:25:00.338 --> 00:25:02.699 be a game changing impact those buttons.
NOTE Confidence: 0.644596126846154
00:25:02.700 --> 00:25:06.508 Practice next. If you if you next.
NOTE Confidence: 0.842007737894737
00:25:08.850 --> 00:25:11.300 If you read this interesting paper where
NOTE Confidence: 0.842007737894737

00:25:11.300 --> 00:25:14.242 it is summarized what artificial what we
NOTE Confidence: 0.842007737894737

00:25:14.242 --> 00:25:16.527 should expect from artificial intelligence,
NOTE Confidence: 0.842007737894737

00:25:16.530 --> 00:25:18.378 OK, respected benefit replicating
NOTE Confidence: 0.842007737894737

00:25:18.378 --> 00:25:20.226 the judgment of expectation,
NOTE Confidence: 0.842007737894737

00:25:20.230 --> 00:25:22.450 by the way, or discovering impactful
NOTE Confidence: 0.842007737894737

00:25:22.450 --> 00:25:24.290 inside finalized volume of data,
NOTE Confidence: 0.842007737894737

00:25:24.290 --> 00:25:26.666 too large and complex for human to perceive.
NOTE Confidence: 0.842007737894737

00:25:26.670 --> 00:25:30.192 It has been extensively utilized in
NOTE Confidence: 0.842007737894737

00:25:30.192 --> 00:25:32.540 radiology based image recognition,
NOTE Confidence: 0.842007737894737

00:25:32.540 --> 00:25:34.748 but here next slides I would like to
NOTE Confidence: 0.842007737894737

00:25:34.748 --> 00:25:36.870 draw your attention to pathologist.
NOTE Confidence: 0.842007737894737

00:25:36.870 --> 00:25:38.586 You know ballooning cell.
NOTE Confidence: 0.842007737894737

00:25:38.586 --> 00:25:41.609 Is the pillar of a diagnosis of
NOTE Confidence: 0.842007737894737

00:25:41.609 --> 00:25:44.529 Nash the Nash in fact can only be
NOTE Confidence: 0.842007737894737

00:25:44.529 --> 00:25:46.809 diagnosed by stogy probably next.
NOTE Confidence: 0.842007737894737

00:25:46.810 --> 00:25:48.922 In this nice paper,

NOTE Confidence: 0.842007737894737
00:25:48.922 --> 00:25:52.090 9 pathologists were challenged to look
NOTE Confidence: 0.842007737894737
00:25:52.181 --> 00:25:56.066 at the number of slides from Nashua
NOTE Confidence: 0.842007737894737
00:25:56.066 --> 00:25:58.826 Persian having ballooning that were
NOTE Confidence: 0.842007737894737
00:25:58.826 --> 00:26:01.942 digitized and then were after three
NOTE Confidence: 0.842007737894737
00:26:01.942 --> 00:26:05.278 months challenged to review those lies
NOTE Confidence: 0.842007737894737
00:26:05.278 --> 00:26:08.083 that were in parallel scrutinized
NOTE Confidence: 0.842007737894737
00:26:08.083 --> 00:26:10.948 by secondary money generation 2
NOTE Confidence: 0.842007737894737
00:26:10.948 --> 00:26:12.667 photon excitation fluorescence
NOTE Confidence: 0.842007737894737
00:26:12.667 --> 00:26:14.799 microscopy to identify the cells.
NOTE Confidence: 0.842007737894737
00:26:14.800 --> 00:26:17.712 Next slides and the result of this verdict
NOTE Confidence: 0.842007737894737
00:26:17.712 --> 00:26:19.539 arresting studies was that overall,
NOTE Confidence: 0.842007737894737
00:26:19.540 --> 00:26:21.036 interobserver agreement for presence
NOTE Confidence: 0.842007737894737
00:26:21.036 --> 00:26:23.280 absence of baloney was very good.
NOTE Confidence: 0.842007737894737
00:26:23.280 --> 00:26:23.675 This,
NOTE Confidence: 0.842007737894737
00:26:23.675 --> 00:26:26.440 with a lot of internal classic consistency
NOTE Confidence: 0.842007737894737

00:26:26.440 --> 00:26:29.559 given the moderate agreement on ballooning,
NOTE Confidence: 0.842007737894737

00:26:29.560 --> 00:26:31.764 the artificial intelligence versus
NOTE Confidence: 0.842007737894737

00:26:31.764 --> 00:26:34.909 pathology pairwise from corpus was wide.
NOTE Confidence: 0.842007737894737

00:26:34.909 --> 00:26:39.039 19 dash 42% and need larger was the gap for
NOTE Confidence: 0.842007737894737

00:26:39.039 --> 00:26:42.297 inter pathologist there was some corpus.
NOTE Confidence: 0.842007737894737

00:26:42.300 --> 00:26:44.736 Since ballooning is a pretty definite.
NOTE Confidence: 0.842007737894737

00:26:44.740 --> 00:26:47.540 The target in trials to decide whether
NOTE Confidence: 0.842007737894737

00:26:47.540 --> 00:26:51.100 the drug is active or not against Nash
NOTE Confidence: 0.842007737894737

00:26:51.100 --> 00:26:54.340 ballooning is considered to be a spectrum.
NOTE Confidence: 0.842007737894737

00:26:54.340 --> 00:26:56.944 Those objecting for his presence or complete
NOTE Confidence: 0.842007737894737

00:26:56.944 --> 00:26:59.246 absence to be unequivocally determined as
NOTE Confidence: 0.842007737894737

00:26:59.246 --> 00:27:02.689 a trial and point and the very last slides,
NOTE Confidence: 0.842007737894737

00:27:02.690 --> 00:27:04.894 is a nice editorial.
NOTE Confidence: 0.842007737894737

00:27:04.894 --> 00:27:07.940 Comes from an editorial in lost it that
NOTE Confidence: 0.842007737894737

00:27:07.940 --> 00:27:10.239 I read that a couple of last weeks,
NOTE Confidence: 0.842007737894737

00:27:10.240 --> 00:27:11.405 actually,

NOTE Confidence: 0.842007737894737
00:27:11.405 --> 00:27:16.338 that illustrate the concerns related.
NOTE Confidence: 0.842007737894737
00:27:16.340 --> 00:27:18.676 With the application intelligent,
NOTE Confidence: 0.842007737894737
00:27:18.676 --> 00:27:21.596 the charisma between artificial intelligence
NOTE Confidence: 0.842007737894737
00:27:21.596 --> 00:27:24.457 and the documentation is a concern.
NOTE Confidence: 0.842007737894737
00:27:24.460 --> 00:27:26.524 The input data are drawn from
NOTE Confidence: 0.842007737894737
00:27:26.524 --> 00:27:28.397 outside the health setting and
NOTE Confidence: 0.842007737894737
00:27:28.397 --> 00:27:30.117 that the algorithm performance,
NOTE Confidence: 0.842007737894737
00:27:30.120 --> 00:27:31.910 source code and input data
NOTE Confidence: 0.842007737894737
00:27:31.910 --> 00:27:33.700 are not available to review.
NOTE Confidence: 0.842007737894737
00:27:33.700 --> 00:27:35.242 That's important point.
NOTE Confidence: 0.842007737894737
00:27:35.242 --> 00:27:37.298 Conservative algorithm with thirst
NOTE Confidence: 0.842007737894737
00:27:37.298 --> 00:27:39.766 and validated using retrospective in
NOTE Confidence: 0.842007737894737
00:27:39.766 --> 00:27:42.334 silico data that might not reflect.
NOTE Confidence: 0.842007737894737
00:27:42.340 --> 00:27:44.480 They are worth clinical practice
NOTE Confidence: 0.842007737894737
00:27:44.480 --> 00:27:45.636 and clinician.
NOTE Confidence: 0.842007737894737

00:27:45.636 --> 00:27:47.370 Receiving artificial intelligence
NOTE Confidence: 0.842007737894737

00:27:47.370 --> 00:27:50.260 generated decision rarely have oversight
NOTE Confidence: 0.842007737894737

00:27:50.330 --> 00:27:52.696 of the data points used to reach
NOTE Confidence: 0.842007737894737

00:27:52.696 --> 00:27:54.620 a specific decision contributing.
NOTE Confidence: 0.842007737894737

00:27:54.620 --> 00:27:58.100 The so-called algorithm aversion, unclear.
NOTE Confidence: 0.842007737894737

00:27:58.100 --> 00:28:00.636 Who, among developer companies,
NOTE Confidence: 0.842007737894737

00:28:00.636 --> 00:28:01.270 researchers,
NOTE Confidence: 0.842007737894737

00:28:01.270 --> 00:28:03.558 clinician or hospitals should
NOTE Confidence: 0.842007737894737

00:28:03.558 --> 00:28:05.846 accept responsibilities for the
NOTE Confidence: 0.842007737894737

00:28:05.846 --> 00:28:07.890 adult decisions altogether?
NOTE Confidence: 0.842007737894737

00:28:07.890 --> 00:28:10.266 This is what we need to improve to
NOTE Confidence: 0.842007737894737

00:28:10.266 --> 00:28:12.917 brief the child's between artificial
NOTE Confidence: 0.842007737894737

00:28:12.917 --> 00:28:14.906 intelligence and implementation.
NOTE Confidence: 0.842007737894737

00:28:14.910 --> 00:28:16.026 I thank you for your attention.
NOTE Confidence: 0.842007737894737

00:28:16.030 --> 00:28:18.977 And I apologize for being that long.
NOTE Confidence: 0.923151886

00:28:21.650 --> 00:28:22.850 Thanks very much. You know,

NOTE Confidence: 0.923151886

00:28:22.850 --> 00:28:24.278 really interesting talk and

NOTE Confidence: 0.923151886

00:28:24.278 --> 00:28:26.420 many things to think about many

NOTE Confidence: 0.923151886

00:28:26.483 --> 00:28:28.778 questions and and see how you

NOTE Confidence: 0.923151886

00:28:28.778 --> 00:28:30.420 can move forward. Thank you.