WEBVTT

00:00:00.000 --> 00:00:02.320 From Hartford, Ala.

00:00:20.770 --> 00:00:22.303 OK, good afternoon.

00:00:22.303 --> 00:00:26.150 So can you see my screen yes

00:00:26.150 --> 00:00:31.660 alright perfect so let me.

00:00:31.660 --> 00:00:35.260 OK, so many of the young,

00:00:35.260 --> 00:00:38.092 so I was a spirit stroke

00:00:38.092 --> 00:00:39.980 night fellow last year.

00:00:39.980 --> 00:00:43.636 Today I'm very happy to talk about my

00:00:43.636 --> 00:00:47.537 research in young patients with the issues.

00:00:47.540 --> 00:00:50.174 So the title of my presentation

00:00:50.174 --> 00:00:52.611 today is a potential embolic

00:00:52.611 --> 00:00:55.566 sources differ in patients with

00:00:55.566 --> 00:00:57.930 embolic stroke of undetermined

00:00:58.021 --> 00:01:00.049 source according to age.

NOTE Confidence: 0.616238898571429

00:01:02.370 --> 00:01:05.214 And so the term embolic stroke

NOTE Confidence: 0.616238898571429

00:01:05.214 --> 00:01:07.864 of and determine the source

NOTE Confidence: 0.616238898571429

00:01:07.864 --> 00:01:11.280 issues was introduced by issues

NOTE Confidence: 0.616238898571429

00:01:11.280 --> 00:01:14.930 international working Group in 2014.

NOTE Confidence: 0.616238898571429

00:01:14.930 --> 00:01:19.450 So as we know issues refers to non

NOTE Confidence: 0.616238898571429

00:01:19.450 --> 00:01:23.136 lacunar infarct without extra or intra

NOTE Confidence: 0.616238898571429

00:01:23.136 --> 00:01:25.692 cranial actress chlorosis causing

NOTE Confidence: 0.616238898571429

00:01:25.692 --> 00:01:29.245 greater than 50% stenosis in the

NOTE Confidence: 0.616238898571429

00:01:29.245 --> 00:01:32.420 arteries supplying the ischemic region.

NOTE Confidence: 0.616238898571429

00:01:32.420 --> 00:01:35.402 Uh, no major cardioembolic source and

NOTE Confidence: 0.616238898571429

00:01:35.402 --> 00:01:38.459 no other specific cause of a stroke.

NOTE Confidence: 0.616238898571429

00:01:38.460 --> 00:01:43.157 So about 17 of ischemic stroke meet

NOTE Confidence: 0.616238898571429

00:01:43.157 --> 00:01:46.816 the criteria of issues and issues

NOTE Confidence: 0.616238898571429

00:01:46.816 --> 00:01:49.711 is associated with the yearly

NOTE Confidence: 0.616238898571429

00:01:49.711 --> 00:01:53.246 stroke recurrence rate of about 5%.

NOTE Confidence: 0.616238898571429

00:01:53.250 --> 00:01:56.743 Uhm, so in patient with the E

NOTE Confidence: 0.616238898571429

00:01:56.743 --> 00:01:59.980 feels the causal embolic source,

NOTE Confidence: 0.616238898571429

00:01:59.980 --> 00:02:03.428 such as a true fibrillation or high grade.

NOTE Confidence: 0.616238898571429

00:02:03.430 --> 00:02:07.130 Crowded stenosis are not identified

NOTE Confidence: 0.616238898571429

00:02:07.130 --> 00:02:10.090 after initial standard evaluation,

NOTE Confidence: 0.616238898571429

00:02:10.090 --> 00:02:14.350 so, but there are various potential

NOTE Confidence: 0.616238898571429

00:02:14.350 --> 00:02:18.039 embolic source as known as TS,

NOTE Confidence: 0.616238898571429

00:02:18.040 --> 00:02:21.508 so the key is identified in

NOTE Confidence: 0.616238898571429

00:02:21.508 --> 00:02:23.242 previous study included.

NOTE Confidence: 0.616238898571429

00:02:23.250 --> 00:02:26.898 Atrial cardiopathy AHO fibrillation,

NOTE Confidence: 0.616238898571429

00:02:26.898 --> 00:02:27.810 flutter,

NOTE Confidence: 0.616238898571429

00:02:27.810 --> 00:02:31.176 or arrhythmia detected during the follow

NOTE Confidence: 0.616238898571429

00:02:31.176 --> 00:02:35.076 up so left ventricular dysfunction,

NOTE Confidence: 0.616238898571429

00:02:35.076 --> 00:02:37.578 cardiac valvular disease,

NOTE Confidence: 0.616238898571429

00:02:37.580 --> 00:02:42.596 patent frame over or septal aneurysm,

NOTE Confidence: 0.616238898571429

00:02:42.600 --> 00:02:47.634 and arterial disease with the next

NOTE Confidence: 0.616238898571429

00:02:47.634 --> 00:02:50.990 nautik proximal arterial plaque.

NOTE Confidence: 0.616238898571429

00:02:50.990 --> 00:02:54.410 So in stroke patients with mean.

NOTE Confidence: 0.616238898571429

00:02:54.410 --> 00:02:57.722 Mean age of 65 years old who were

NOTE Confidence: 0.616238898571429

00:02:57.722 --> 00:03:00.768 enrolled to navigate easiest trial.

NOTE Confidence: 0.616238898571429

00:03:00.770 --> 00:03:05.068 So the three most common PS or

NOTE Confidence: 0.616238898571429

00:03:05.068 --> 00:03:08.264 atrial cardiopathy left ventricular

NOTE Confidence: 0.616238898571429

00:03:08.264 --> 00:03:11.460 dysfunction and arterial disease.

NOTE Confidence: 0.616238898571429

00:03:11.460 --> 00:03:12.063 Uhm,

NOTE Confidence: 0.616238898571429

00:03:12.063 --> 00:03:16.284 so uh Ian Young patients on the

NOTE Confidence: 0.616238898571429

00:03:16.284 --> 00:03:20.302 potential and body sores of issues

NOTE Confidence: 0.616238898571429

00:03:20.302 --> 00:03:23.841 and the associated risk of stroke

NOTE Confidence: 0.616238898571429

00:03:23.841 --> 00:03:26.376 recurrence were not well studied,

NOTE Confidence: 0.616238898571429

00:03:26.380 --> 00:03:29.476 so we assume the rate of P as

NOTE Confidence: 0.616238898571429

00:03:29.476 --> 00:03:31.440 and associated stroke recurrence

NOTE Confidence: 0.616238898571429

00:03:31.440 --> 00:03:34.740 in young patient with the issues

NOTE Confidence: 0.616238898571429

00:03:34.740 --> 00:03:38.376 differ from that in older patients.

NOTE Confidence: 0.616238898571429

00:03:38.380 --> 00:03:42.284 So by doing the study we try to.

NOTE Confidence: 0.616238898571429

00:03:42.290 --> 00:03:47.461 Identify a high prevalent PS and PS

NOTE Confidence: 0.616238898571429

00:03:47.461 --> 00:03:51.306 associated with high risk of a stroke

NOTE Confidence: 0.616238898571429

00:03:51.306 --> 00:03:54.414 recurrence in young patients with the

NOTE Confidence: 0.616238898571429

00:03:54.414 --> 00:03:58.085 issues so which may guide secondary

NOTE Confidence: 0.616238898571429

00:03:58.085 --> 00:04:02.380 provision in that group of patients.

NOTE Confidence: 0.616238898571429

00:04:02.380 --> 00:04:08.156 And so we did a retrospective cohort study.

NOTE Confidence: 0.616238898571429

00:04:08.160 --> 00:04:11.136 So the young patients with issues

NOTE Confidence: 0.616238898571429

00:04:11.136 --> 00:04:15.992 at age of 18 to 49 year old and the

NOTE Confidence: 0.616238898571429

00:04:15.992 --> 00:04:20.374 meeting to have her hospital from 20

NOTE Confidence: 0.616238898571429

00:04:20.374 --> 00:04:24.294 from 2006 to 2019 were identified and

NOTE Confidence: 0.616238898571429

00:04:24.294 --> 00:04:27.591 each young patient were matched with

NOTE Confidence: 0.616238898571429

00:04:27.591 --> 00:04:31.098 an older issues patient at age of

NOTE Confidence: 0.722070022105263

00:04:33.600 --> 00:04:37.037 5299 year old. My admission date so

NOTE Confidence: 0.722070022105263

00:04:37.037 --> 00:04:39.703 the patients were followed after

NOTE Confidence: 0.722070022105263

00:04:39.703 --> 00:04:43.525 discharge for a median of three years.

NOTE Confidence: 0.687119850769231

00:04:45.940 --> 00:04:48.785 Uhm, so according to the

NOTE Confidence: 0.687119850769231

00:04:48.785 --> 00:04:51.630 guidelines on proposed by American

NOTE Confidence: 0.687119850769231

00:04:51.733 --> 00:04:54.238 Stroke Association in 2019,

NOTE Confidence: 0.687119850769231

00:04:54.238 --> 00:04:57.590 so in our study we diagnosis,

NOTE Confidence: 0.687119850769231

00:04:57.590 --> 00:05:00.470 we diagnose issues after

NOTE Confidence: 0.687119850769231

00:05:00.470 --> 00:05:02.630 negative initial evaluation,

NOTE Confidence: 0.687119850769231

00:05:02.630 --> 00:05:05.262 which included twelve leads,

NOTE Confidence: 0.687119850769231

00:05:05.262 --> 00:05:10.710 EKG at least 24 hour ECG monitoring,

NOTE Confidence: 0.687119850769231

00:05:10.710 --> 00:05:16.257 Pte MRA head and neck, and.

NOTE Confidence: 0.687119850769231

00:05:16.257 --> 00:05:18.685 So patients who are

NOTE Confidence: 0.687119850769231

00:05:18.685 --> 00:05:21.199 younger than 55 years old?

NOTE Confidence: 0.687119850769231

00:05:21.199 --> 00:05:24.230 Uh, they need to have a negative.

NOTE Confidence: 0.757804123157895

00:05:26.270 --> 00:05:29.378 Fedia screening, so we excluded patients

NOTE Confidence: 0.757804123157895

00:05:29.378 --> 00:05:34.525 with a history of cancer who may have a

NOTE Confidence: 0.757804123157895

00:05:34.525 --> 00:05:36.909 hypercoagulable state from malignancy.

NOTE Confidence: 0.594280546666667

00:05:39.320 --> 00:05:43.560 So, uh, we did Trump reveal of the

NOTE Confidence: 0.594280546666667

00:05:43.560 --> 00:05:47.260 test reports and images to identify

NOTE Confidence: 0.594280546666667

00:05:47.260 --> 00:05:50.735 individual PS and account numbers.

NOTE Confidence: 0.594280546666667

00:05:50.740 --> 00:05:54.174 Also, PS for each patient and we

NOTE Confidence: 0.594280546666667

00:05:54.174 --> 00:05:57.816 so collected data off of baseline

NOTE Confidence: 0.594280546666667

00:05:57.816 --> 00:06:00.346 characteristics and clinical

NOTE Confidence: 0.594280546666667

00:06:00.346 --> 00:06:03.644 characteristics and the stroke recurrence.

NOTE Confidence: 0.594280546666667

00:06:03.644 --> 00:06:06.770 So the comparisons in young and

NOTE Confidence: 0.594280546666667

00:06:06.865 --> 00:06:09.810 older patient with issues were

NOTE Confidence: 0.594280546666667

00:06:09.810 --> 00:06:12.166 performed by chisquare test.

NOTE Confidence: 0.636025943333333

00:06:14.900 --> 00:06:18.390 So, uh, we identified 85

NOTE Confidence: 0.636025943333333

00:06:18.390 --> 00:06:21.182 young patients with issues,

NOTE Confidence: 0.636025943333333

00:06:21.190 --> 00:06:24.140 and those patients were matched

NOTE Confidence: 0.636025943333333

00:06:24.140 --> 00:06:27.990 with 84 older patients with issues.

NOTE Confidence: 0.636025943333333

00:06:27.990 --> 00:06:30.986 And so the mean age of young

00:06:30.986 --> 00:06:33.230 and older issues patients,

00:06:33.230 --> 00:06:38.270 or 39 and 74 years old respectively.

00:06:38.270 --> 00:06:40.360 The young issues patients are

00:06:40.360 --> 00:06:42.450 more women and non Caucasian

00:06:42.522 --> 00:06:44.537 as compared to other issues.

00:06:44.540 --> 00:06:48.470 Patient, a better this trend didn't

00:06:48.470 --> 00:06:50.435 reach statistical significance,

00:06:50.440 --> 00:06:52.636 so as compared to older patients

00:06:52.636 --> 00:06:55.025 on the young patients with issues

00:06:55.025 --> 00:06:57.155 had lower rates of hypertension,

00:06:57.160 --> 00:06:59.110 hyperlipidemia and diabetes.

00:06:59.110 --> 00:07:03.010 However, the rate of active smoking

00:07:03.010 --> 00:07:06.372 with a similar in young and

00:07:06.372 --> 00:07:10.580 older patients with issues. Uhm?

00:07:10.580 --> 00:07:13.835 So uhm, the initial and nitric war,

NOTE Confidence: 0.636025943333333

00:07:13.840 --> 00:07:17.233 as well as the rate of a large vessel

NOTE Confidence: 0.636025943333333

00:07:17.233 --> 00:07:19.930 occlusion or similar in young and

NOTE Confidence: 0.636025943333333

00:07:19.930 --> 00:07:23.670 older patients with issues about 60 to

NOTE Confidence: 0.636025943333333

00:07:23.670 --> 00:07:29.330 65% of young or older patients with issues,

NOTE Confidence: 0.636025943333333

00:07:29.330 --> 00:07:32.066 had a low energy for less than six,

NOTE Confidence: 0.636025943333333

00:07:32.070 --> 00:07:35.562 but about 20% of young or

NOTE Confidence: 0.636025943333333

00:07:35.562 --> 00:07:37.308 older issues patients,

NOTE Confidence: 0.636025943333333

00:07:37.310 --> 00:07:39.540 so they have high score

NOTE Confidence: 0.636025943333333

00:07:39.540 --> 00:07:41.324 above 10 and suffered.

NOTE Confidence: 0.636025943333333

00:07:41.330 --> 00:07:45.759 Run large vessel occlusion so more young

NOTE Confidence: 0.636025943333333

00:07:45.759 --> 00:07:49.223 patients up about 70% or discharge

NOTE Confidence: 0.636025943333333

00:07:49.223 --> 00:07:53.338 home as compared to older patients and

NOTE Confidence: 0.636025943333333

00:07:53.338 --> 00:07:58.154 more patients up about 80 most patient,

NOTE Confidence: 0.636025943333333

00:07:58.160 --> 00:08:01.646 about 80 to 90% of both young

NOTE Confidence: 0.636025943333333

00:08:01.646 --> 00:08:04.499 and older patients with issues,

NOTE Confidence: 0.636025943333333

00:08:04.500 --> 00:08:07.565 so they were treated with

NOTE Confidence: 0.636025943333333

00:08:07.565 --> 00:08:11.570 antiplatelet and stroke prevention.

NOTE Confidence: 0.636025943333333

00:08:11.570 --> 00:08:14.699 So the rate of stroke recurrence during

NOTE Confidence: 0.636025943333333

00:08:14.699 --> 00:08:18.118 the first year after the initial stroke

NOTE Confidence: 0.636025943333333

00:08:18.120 --> 00:08:21.795 with two point 7% in young issues,

NOTE Confidence: 0.636025943333333

00:08:21.800 --> 00:08:24.836 patients as compared to older issues.

NOTE Confidence: 0.636025943333333

00:08:24.840 --> 00:08:29.792 Patients who had a rate of recurrence

NOTE Confidence: 0.636025943333333

00:08:29.792 --> 00:08:33.048 stroke of a 6.3% after one year

NOTE Confidence: 0.636025943333333

00:08:33.048 --> 00:08:36.718 and after a median of a three year

NOTE Confidence: 0.636025943333333

00:08:36.718 --> 00:08:39.838 follow up on the stroke recurrence

NOTE Confidence: 0.636025943333333

00:08:39.838 --> 00:08:42.450 rate in young patients.

NOTE Confidence: 0.636025943333333

00:08:42.450 --> 00:08:49.164 Was 4.1% as compared to 11.4% in order

NOTE Confidence: 0.636025943333333

00:08:49.164 --> 00:08:52.995 issue station so the rate of stroke

NOTE Confidence: 0.636025943333333

00:08:52.995 --> 00:08:55.762 recurrence with lowering young issues

NOTE Confidence: 0.636025943333333

00:08:55.762 --> 00:08:59.170 patients as compared to older patients.

NOTE Confidence: 0.636025943333333

00:08:59.170 --> 00:08:59.843 However,

NOTE Confidence: 0.636025943333333

00:08:59.843 --> 00:09:03.881 the difference approached but it did

NOTE Confidence: 0.636025943333333

00:09:03.881 --> 00:09:07.310 not reach statistical significance.

NOTE Confidence: 0.636025943333333

00:09:07.310 --> 00:09:11.398 So this table shows the rate of each

NOTE Confidence: 0.636025943333333

00:09:11.398 --> 00:09:14.821 individual PS and multiple PS in

NOTE Confidence: 0.636025943333333

00:09:14.821 --> 00:09:18.259 young and older patients with issues.

NOTE Confidence: 0.636025943333333

00:09:18.260 --> 00:09:22.272 So in order issues patient so we

NOTE Confidence: 0.636025943333333

00:09:22.272 --> 00:09:26.341 can see the three most common P

NOTE Confidence: 0.636025943333333

00:09:26.341 --> 00:09:30.596 eyes or atrial cardiopathy and

NOTE Confidence: 0.636025943333333

00:09:30.596 --> 00:09:34.000 left ventricular dysfunction and

NOTE Confidence: 0.636025943333333

00:09:34.138 --> 00:09:36.889 the arterial disease.

NOTE Confidence: 0.636025943333333

00:09:36.890 --> 00:09:37.616 Uh,

NOTE Confidence: 0.636025943333333

00:09:37.616 --> 00:09:41.800 so about 17% of the older issues

NOTE Confidence: 0.636025943333333

00:09:41.800 --> 00:09:44.980 patients had three or more PS

NOTE Confidence: 0.636025943333333

00:09:44.980 --> 00:09:48.650 identified and in young issues patients.

NOTE Confidence: 0.636025943333333

00:09:48.650 --> 00:09:53.185 So the PFO was the only common TS and

NOTE Confidence: 0.636025943333333

00:09:53.185 --> 00:09:57.620 the so the rate of other pies was with low,

NOTE Confidence: 0.636025943333333

00:09:57.620 --> 00:09:59.556 about 2 to 7%,

NOTE Confidence: 0.636025943333333

00:09:59.556 --> 00:10:03.037 so none of the young patients with

NOTE Confidence: 0.636025943333333

00:10:03.037 --> 00:10:06.742 issues I had three or more PS about

NOTE Confidence: 0.636025943333333

00:10:06.742 --> 00:10:09.334 1/3 of the young issues patient.

NOTE Confidence: 0.636025943333333

00:10:09.340 --> 00:10:13.796 Uh, so they have no P as identified.

NOTE Confidence: 0.636025943333333

00:10:13.800 --> 00:10:14.722 Uhm so.

NOTE Confidence: 0.636025943333333

00:10:14.722 --> 00:10:15.183 Uh,

NOTE Confidence: 0.636025943333333

00:10:15.183 --> 00:10:19.234 this table shows the rate of a stroke

NOTE Confidence: 0.636025943333333

00:10:19.234 --> 00:10:24.225 recurrence by individual RTS and multiple PS.

NOTE Confidence: 0.636025943333333

00:10:24.230 --> 00:10:25.950 And then we can see.

NOTE Confidence: 0.636025943333333

00:10:25.950 --> 00:10:29.562 So during a median of three year

NOTE Confidence: 0.636025943333333

00:10:29.562 --> 00:10:33.158 follow up about 1/3 of other issues.

NOTE Confidence: 0.636025943333333

00:10:33.158 --> 00:10:37.022 Patients with the three or more

NOTE Confidence: 0.636025943333333

00:10:37.022 --> 00:10:40.467 PS identified they had recurrent

NOTE Confidence: 0.636025943333333

00:10:40.467 --> 00:10:43.522 stroke and among individual PS

NOTE Confidence: 0.636025943333333

00:10:43.522 --> 00:10:46.487 about 1/4 of other issues.

NOTE Confidence: 0.636025943333333

00:10:46.490 --> 00:10:51.269 Patients with a sub and 1/5 of other issues

NOTE Confidence: 0.636025943333333

00:10:51.269 --> 00:10:54.820 patient with the actual cardiopathy.

NOTE Confidence: 0.636025943333333

00:10:54.820 --> 00:10:55.428 Uh,

NOTE Confidence: 0.636025943333333

00:10:55.428 --> 00:10:58.468 so they had recurrent stroke,

NOTE Confidence: 0.6455171225

00:10:58.470 --> 00:11:01.970 so in young patients.

NOTE Confidence: 0.6455171225

00:11:01.970 --> 00:11:06.290 Only three patients had recurrent stroke.

NOTE Confidence: 0.6455171225

00:11:06.290 --> 00:11:08.434 Uh, after the discharge.

NOTE Confidence: 0.6455171225

00:11:08.434 --> 00:11:10.922 UM, so two of them,

NOTE Confidence: 0.6455171225

00:11:10.922 --> 00:11:13.850 so they had PFO without closure

NOTE Confidence: 0.6455171225

00:11:13.850 --> 00:11:18.450 and one one patient had.

NOTE Confidence: 0.6455171225

00:11:18.450 --> 00:11:21.440 A cardiac or valvular disease.

NOTE Confidence: 0.6455171225

00:11:21.440 --> 00:11:25.676 So, uhm. So basically, UM,

NOTE Confidence: 0.6455171225

00:11:25.676 --> 00:11:28.868 as compared to the older patient

NOTE Confidence: 0.6455171225

00:11:28.868 --> 00:11:32.287 with issues so in our study we

NOTE Confidence: 0.6455171225

00:11:32.287 --> 00:11:35.410 found a young patients with issues,

NOTE Confidence: 0.6455171225

00:11:35.410 --> 00:11:41.089 so they had a lower rate of PS and.

NOTE Confidence: 0.6455171225

00:11:41.090 --> 00:11:44.240 Lower rate alpha T as overlapping,

NOTE Confidence: 0.6455171225

00:11:44.240 --> 00:11:49.031 so the PPFO is the the only common key,

NOTE Confidence: 0.6455171225

00:11:49.031 --> 00:11:52.097 as in young patient with issues

NOTE Confidence: 0.6455171225

00:11:52.097 --> 00:11:55.831 uh and the rate of other PS is

NOTE Confidence: 0.6455171225

00:11:55.831 --> 00:11:58.495 low 1/3 of young issues patient

NOTE Confidence: 0.6455171225

00:11:58.495 --> 00:12:01.820 they don't have any PS identified.

NOTE Confidence: 0.6455171225

00:12:01.820 --> 00:12:05.588 So the recurrence rate of stroke

NOTE Confidence: 0.6455171225

00:12:05.588 --> 00:12:09.919 in young patients A is pretty low.

NOTE Confidence: 0.6455171225

00:12:09.920 --> 00:12:10.470 However,

NOTE Confidence: 0.6455171225

00:12:10.470 --> 00:12:13.850 we were unable to assess the

NOTE Confidence: 0.6455171225

00:12:13.850 --> 00:12:16.370 association of individual PS

NOTE Confidence: 0.6455171225

00:12:16.370 --> 00:12:20.740 and risk of stroke recurrence.

NOTE Confidence: 0.6455171225

00:12:20.740 --> 00:12:23.806 Due to the overall low rate

NOTE Confidence: 0.6455171225

00:12:23.806 --> 00:12:26.440 up and the small sample size,

00:12:26.440 --> 00:12:31.186 so there were no recurrent stroke in

00:12:31.186 --> 00:12:35.740 patients in young patient with issues

00:12:35.740 --> 00:12:39.946 who didn't have any PS identified.

00:12:39.950 --> 00:12:42.601 Uhm? Sorry.

00:12:42.601 --> 00:12:47.409 So, uhm, so for young patient with issues.

00:12:47.410 --> 00:12:51.434 UM, given the low rate of PS,

00:12:51.434 --> 00:12:53.210 except for the PFO.

00:12:53.210 --> 00:12:57.386 So other hypothetical causes

00:12:57.386 --> 00:13:00.518 may include unknown.

00:13:00.520 --> 00:13:02.017 In Malik's wars,

00:13:02.017 --> 00:13:04.512 which cannot be identified by

00:13:04.512 --> 00:13:06.480 current imaging or testing,

00:13:06.480 --> 00:13:11.808 or there's a iansiti Rambo sis do too.

00:13:11.810 --> 00:13:13.871 KIRO Wall abnormality.

00:13:13.871 --> 00:13:17.306 Or maybe there's a transient

00:13:17.306 --> 00:13:20.468 hypercoagulable state or a little spasm.

NOTE Confidence: 0.6455171225

00:13:20.470 --> 00:13:23.806 Those can be the potential cost

NOTE Confidence: 0.6455171225

00:13:23.806 --> 00:13:28.040 of issues in young and so this

NOTE Confidence: 0.6455171225

00:13:28.040 --> 00:13:32.060 fight the source of the scramble

NOTE Confidence: 0.6455171225

00:13:32.060 --> 00:13:35.562 and bolik stroke right now in

NOTE Confidence: 0.6455171225

00:13:35.562 --> 00:13:37.554 young still remain unclear,

NOTE Confidence: 0.6455171225

00:13:37.560 --> 00:13:42.393 but then according to our study if no PS.

NOTE Confidence: 0.6455171225

00:13:42.400 --> 00:13:43.456 Was identified,

NOTE Confidence: 0.6455171225

00:13:43.456 --> 00:13:46.096 then the risk of having

NOTE Confidence: 0.6455171225

00:13:46.096 --> 00:13:48.580 recurrent stroke is very low.

NOTE Confidence: 0.6455171225

00:13:48.580 --> 00:13:49.210 Uhm,

NOTE Confidence: 0.6455171225

00:13:49.210 --> 00:13:54.880 so our study is a first study to identify,

NOTE Confidence: 0.6455171225

00:13:54.880 --> 00:13:57.688 try to identify the TS and

NOTE Confidence: 0.6455171225

00:13:57.688 --> 00:14:00.332 its associated risk of having

NOTE Confidence: 0.6455171225

00:14:00.332 --> 00:14:03.677 recurrent stroke in young patients.

NOTE Confidence: 0.6455171225

00:14:03.680 --> 00:14:04.337 However,

NOTE Confidence: 0.6455171225

00:14:04.337 --> 00:14:07.622 it's a retrospective study and

NOTE Confidence: 0.6455171225

00:14:07.622 --> 00:14:12.065 then by reveal the record in a

NOTE Confidence: 0.6455171225

00:14:12.065 --> 00:14:14.895 single center over 10 years.

NOTE Confidence: 0.6455171225

00:14:14.900 --> 00:14:18.668 So there's a limitation such as.

NOTE Confidence: 0.6455171225

00:14:18.670 --> 00:14:22.527 Incomplete record and lots of follow up.

NOTE Confidence: 0.6455171225

00:14:22.530 --> 00:14:24.705 Uhm, so uh?

NOTE Confidence: 0.6455171225

00:14:24.705 --> 00:14:30.660 And so those further radios the sample size.

NOTE Confidence: 0.6455171225

00:14:30.660 --> 00:14:32.420 So in the future?

NOTE Confidence: 0.6455171225

00:14:32.420 --> 00:14:32.860 Uhm,

NOTE Confidence: 0.6455171225

00:14:32.860 --> 00:14:37.065 so prospective multicenter study is

NOTE Confidence: 0.6455171225

00:14:37.065 --> 00:14:42.440 needed to identify new and possible

NOTE Confidence: 0.6455171225

00:14:42.440 --> 00:14:46.230 causal PS4 young patient with the issues.

NOTE Confidence: 0.6455171225

00:14:46.230 --> 00:14:49.974 Uhm, so which may help to

NOTE Confidence: 0.6455171225

00:14:49.974 --> 00:14:51.846 guide secondary prevention?

NOTE Confidence: 0.6455171225

00:14:51.850 --> 00:14:52.458 Uhm,

NOTE Confidence: 0.6455171225

00:14:52.458 --> 00:14:56.714 and so in our study we found

NOTE Confidence: 0.6455171225

00:14:56.714 --> 00:14:59.878 about 20% of our young issues.

NOTE Confidence: 0.6455171225

00:14:59.878 --> 00:15:02.313 Patient had a large vessel

NOTE Confidence: 0.6455171225

00:15:02.313 --> 00:15:04.850 occlusion and half of them didn't

NOTE Confidence: 0.6455171225

00:15:04.850 --> 00:15:07.210 have any peas identified,

NOTE Confidence: 0.6455171225

00:15:07.210 --> 00:15:10.054 so the cloud analysis and may

NOTE Confidence: 0.6455171225

00:15:10.054 --> 00:15:14.007 help to a size if the thrombus is

NOTE Confidence: 0.6455171225

00:15:14.010 --> 00:15:20.600 cardiogenic versus arterial genic uhm?

NOTE Confidence: 0.6455171225

00:15:20.600 --> 00:15:23.358 So here I wanna say thank you

NOTE Confidence: 0.6455171225

00:15:23.358 --> 00:15:25.979 to doctor UM water corner and

NOTE Confidence: 0.6455171225

00:15:25.979 --> 00:15:28.667 then uh that's all I have.

NOTE Confidence: 0.6455171225

00:15:28.670 --> 00:15:31.139 Thank you, uh,

NOTE Confidence: 0.6455171225

00:15:31.140 --> 00:15:34.970 so much John suggestions or questions.

NOTE Confidence: 0.940702308

00:15:36.350 --> 00:15:38.590 Thank you so much again,

NOTE Confidence: 0.940702308

00:15:38.590 --> 00:15:42.140 I I don't see any questions in the chat box.

NOTE Confidence: 0.940702308

00:15:42.140 --> 00:15:43.754 Sometimes small dissections.

18

NOTE Confidence: 0.940702308

00:15:43.754 --> 00:15:46.916 They're not picked up on CTA's and

NOTE Confidence: 0.940702308

00:15:46.916 --> 00:15:48.780 you know if you don't do an MRA

NOTE Confidence: 0.940702308

00:15:48.846 --> 00:15:50.896 WhatsApp with fat suppressed images,

NOTE Confidence: 0.940702308

00:15:50.900 --> 00:15:53.492 you won't diagnose it.

NOTE Confidence: 0.940702308

00:15:53.492 --> 00:15:56.084 So add add dissection.

NOTE Confidence: 0.940702308

00:15:56.090 --> 00:16:00.098 The potential causes of easis and

NOTE Confidence: 0.940702308

00:16:00.098 --> 00:16:03.470 young patients and other such.

NOTE Confidence: 0.940702308

00:16:03.470 --> 00:16:05.165 The suggestion is you know

NOTE Confidence: 0.940702308

00:16:05.165 --> 00:16:07.180 we do have a lot of.

NOTE Confidence: 0.940702308

00:16:07.180 --> 00:16:08.896 Data and our database.

NOTE Confidence: 0.940702308

00:16:08.896 --> 00:16:11.861 So if you'd like to validate your

NOTE Confidence: 0.940702308

00:16:11.861 --> 00:16:14.207 findings so speeds reach out and

NOTE Confidence: 0.940702308

00:16:14.207 --> 00:16:16.519 we're happy to work together.

NOTE Confidence: 0.940702308

00:16:16.520 --> 00:16:18.340 And thank you so much.

NOTE Confidence: 0.940702308

00:16:18.340 --> 00:16:20.475 This was very informative and

NOTE Confidence: 0.940702308

00:16:20.475 --> 00:16:23.158 I will share my slides because

NOTE Confidence: 0.940702308

00:16:23.158 --> 00:16:24.998 I'm giving the next.