WEBVTT

- NOTE duration:"00:47:44"
- NOTE recognizability:0.470
- NOTE language:en-us
- NOTE Confidence: 0.42032254
- 00:00:00.000 --> 00:00:03.514 We've got, let's see, we are recording,
- NOTE Confidence: 0.42032254
- $00{:}00{:}03.520 \dashrightarrow 00{:}00{:}06.736$ I see Catherine on here Dungen, great.
- NOTE Confidence: 0.42032254
- $00{:}00{:}06{.}736 \dashrightarrow 00{:}00{:}08{.}992$ And so again we tend to
- NOTE Confidence: 0.42032254
- $00:00:08.992 \longrightarrow 00:00:11.040$ kind of filter in slowly.
- NOTE Confidence: 0.42032254
- $00:00:11.040 \longrightarrow 00:00:14.592$ So wanted to introduce everybody to
- NOTE Confidence: 0.42032254
- $00{:}00{:}14.592 \dashrightarrow 00{:}00{:}20.015$ one of the members of our education
- NOTE Confidence: 0.42032254
- $00:00:20.015 \rightarrow 00:00:26.012$ leadership in the school. You know,
- NOTE Confidence: 0.42032254
- 00:00:26.012 --> 00:00:32.160 Felon and I I practice this very often.
- NOTE Confidence: 0.42032254
- 00:00:32.160 --> 00:00:36.380 Wish a second wish a Sacre, am I?
- NOTE Confidence: 0.42032254
- $00:00:36.380 \longrightarrow 00:00:37.400$ Hopefully there.
- NOTE Confidence: 0.27417928
- 00:00:38.400 --> 00:00:39.520 Benita, you're putting so
- NOTE Confidence: 0.27417928
- $00:00:39.520 \longrightarrow 00:00:40.640$ much pressure on yourself.
- NOTE Confidence: 0.27417928
- 00:00:40.640 --> 00:00:42.188 I'm happy to finish my introduction
- NOTE Confidence: 0.27417928

 $00:00:42.188 \longrightarrow 00:00:43.680$ as well and get started.

NOTE Confidence: 0.27417928

 $00{:}00{:}43.680 \dashrightarrow 00{:}00{:}45.080$ I'm excited to be here,

NOTE Confidence: 0.27417928

 $00:00:45.800 \rightarrow 00:00:47.720$ but I'm actually going to give a little

NOTE Confidence: 0.27417928

 $00:00:47.720 \dashrightarrow 00:00:49.554$ bit more than introductions here.

NOTE Confidence: 0.27417928

 $00{:}00{:}49{.}554 \dashrightarrow 00{:}00{:}53{.}100$ And so Dylan got his MD from the University

NOTE Confidence: 0.27417928

 $00{:}00{:}53.182 \dashrightarrow 00{:}00{:}56.638$ University of Rochester School of Medicine.

NOTE Confidence: 0.27417928

 $00:00:56.640 \rightarrow 00:01:00.154$ He did residency training at our at

NOTE Confidence: 0.27417928

 $00:01:00.154 \rightarrow 00:01:03.400$ Yale's primary care residency program.

NOTE Confidence: 0.27417928

 $00{:}01{:}03{.}400 \dashrightarrow 00{:}01{:}06{.}326$ And then Phelan did a general internal

NOTE Confidence: 0.27417928

 $00{:}01{:}06.326 \dashrightarrow 00{:}01{:}08.013$ medicine fellowship in medical

NOTE Confidence: 0.27417928

 $00{:}01{:}08{.}013 \dashrightarrow 00{:}01{:}10.877$ education at Yale and then also got his

NOTE Confidence: 0.24921735

 $00{:}01{:}13.040 \dashrightarrow 00{:}01{:}18.200$ MEHSMED in our institution.

NOTE Confidence: 0.24921735

 $00:01:18.200 \longrightarrow 00:01:21.800$ 2018, he joined the academic

NOTE Confidence: 0.24921735

00:01:21.800 --> 00:01:25.128 hospitalist program in Yale's

NOTE Confidence: 0.24921735

 $00:01:25.128 \rightarrow 00:01:28.417$ General Internal Medicine program.

NOTE Confidence: 0.24921735

 $00:01:28.417 \dashrightarrow 00:01:31.159$ He's very active in medical education.

- NOTE Confidence: 0.24921735
- $00:01:31.160 \longrightarrow 00:01:33.260$ He's the director of Clinical Reasoning

 $00:01:33.260 \rightarrow 00:01:35.680$ at the Teaching and Learning Center.

NOTE Confidence: 0.24921735

 $00{:}01{:}35{.}680 \dashrightarrow 00{:}01{:}38{.}205$ He's an associate for Clinical

NOTE Confidence: 0.24921735

00:01:38.205 --> 00:01:39.720 Reasoning Educator Development,

NOTE Confidence: 0.24921735

 $00{:}01{:}39{.}720 \dashrightarrow 00{:}01{:}42{.}920$ And so he provides consultations,

NOTE Confidence: 0.24921735

 $00{:}01{:}42.920 \dashrightarrow 00{:}01{:}45.608$ workshops, and scholarship related

NOTE Confidence: 0.24921735

 $00:01:45.608 \dashrightarrow 00:01:48.140$ to teaching clinical reasoning.

NOTE Confidence: 0.24921735

 $00{:}01{:}48.140 \dashrightarrow 00{:}01{:}50.620$ And his research interests

NOTE Confidence: 0.24921735

 $00:01:50.620 \longrightarrow 00:01:52.480$ include clinical reasoning,

NOTE Confidence: 0.24921735

 $00:01:52.480 \longrightarrow 00:01:55.152$ diagnostic error with publications

NOTE Confidence: 0.24921735

00:01:55.152 --> 00:01:57.156 and academic medicine,

NOTE Confidence: 0.24921735

00:01:57.160 --> 00:01:58.066 medical Teacher,

NOTE Confidence: 0.24921735

00:01:58.066 --> 00:02:01.237 and the Journal of General Internal Medicine.

NOTE Confidence: 0.24921735

 $00{:}02{:}01{.}240 \dashrightarrow 00{:}02{:}03{.}320$ And so with that introduction,

NOTE Confidence: 0.7261014

 $00{:}02{:}05{.}520 \dashrightarrow 00{:}02{:}07{.}400$ all yours. A we some.

00:02:07.400 --> 00:02:09.200 Thank you so much Pernina,

NOTE Confidence: 0.5141208

 $00:02:09.200 \rightarrow 00:02:11.680$ and it's great having all of y'all here.

NOTE Confidence: 0.5141208

00:02:11.680 -> 00:02:14.837 I know that you are in between

NOTE Confidence: 0.5141208

 $00:02:14.840 \longrightarrow 00:02:17.600$ things often times with lunch,

NOTE Confidence: 0.5141208

 $00{:}02{:}17.600 \dashrightarrow 00{:}02{:}19.315$ so feel free to eat and chat.

NOTE Confidence: 0.5141208

00:02:19.320 --> 00:02:21.642 But I will say part of my one of

NOTE Confidence: 0.5141208

 $00{:}02{:}21.642 \dashrightarrow 00{:}02{:}24.127$ my favorite parts of these sessions

NOTE Confidence: 0.5141208

 $00{:}02{:}24.127 \dashrightarrow 00{:}02{:}26.160$ is just the conversations we can

NOTE Confidence: 0.5141208

 $00{:}02{:}26.160 \dashrightarrow 00{:}02{:}28.160$ have and learning from each other.

NOTE Confidence: 0.5141208

 $00:02:28.160 \dashrightarrow 00:02:30.100$ And especially in your experience NOTE Confidence: 0.5141208

 $00:02:30.100 \longrightarrow 00:02:32.040$ 'cause I give these workshops

NOTE Confidence: 0.5141208

 $00{:}02{:}32{.}111 \dashrightarrow 00{:}02{:}33{.}839$ to different departments where

NOTE Confidence: 0.5141208

 $00:02:33.839 \dashrightarrow 00:02:35.999$ obviously it's not my expertise,

NOTE Confidence: 0.5141208

00:02:36.000 -> 00:02:38.676 but yeah, we're going to talk

NOTE Confidence: 0.5141208

 $00:02:38.676 \rightarrow 00:02:40.460$ about strategies for evaluating

NOTE Confidence: 0.5141208

 $00:02:40.538 \rightarrow 00:02:42.878$ and teaching clinical reasoning.

- NOTE Confidence: 0.5141208
- 00:02:42.880 --> 00:02:46.720 I. So for the CME credit,

 $00{:}02{:}46.720 \dashrightarrow 00{:}02{:}47.720$ make sure to text

NOTE Confidence: 0.40580356

 $00{:}02{:}50{.}000 \dashrightarrow 00{:}02{:}55{.}910$ 42047 to the Yale CME number and that'll

NOTE Confidence: 0.40580356

 $00{:}02{:}55{.}910$ --> $00{:}02{:}57{.}520$ be put in the chat again. Again, that's

NOTE Confidence: 0.40580356

 $00:02:59.560 \longrightarrow 00:03:03.920$ 42047. Just a quick disclosure for me.

NOTE Confidence: 0.40580356

 $00{:}03{:}03{.}920 \dashrightarrow 00{:}03{:}06{.}488$ So I am a consultant for the National

NOTE Confidence: 0.40580356

00:03:06.488 --> 00:03:09.441 Board of Medical Examiners around like

NOTE Confidence: 0.40580356

 $00:03:09.441 \rightarrow 00:03:10.990$ developing assessments for management,

NOTE Confidence: 0.40580356

 $00{:}03{:}10{.}990$ --> $00{:}03{:}13{.}300$ reasoning, an area of my research and NOTE Confidence: 0.40580356

 $00{:}03{:}13.351 \dashrightarrow 00{:}03{:}15.276$ something we'll touch on a little bit.

NOTE Confidence: 0.40580356

 $00{:}03{:}15{.}280 \dashrightarrow 00{:}03{:}18{.}964$ But just for your note, So what are

NOTE Confidence: 0.40580356

 $00:03:18.964 \rightarrow 00:03:20.840$ we going to be talking about today?

NOTE Confidence: 0.40580356

 $00{:}03{:}20{.}840 \dashrightarrow 00{:}03{:}22{.}772$ 3 broad aims for our workshops

NOTE Confidence: 0.40580356

 $00{:}03{:}22.772 \dashrightarrow 00{:}03{:}25.090$ that I usually talk about, One,

NOTE Confidence: 0.40580356

 $00{:}03{:}25{.}090 \dashrightarrow 00{:}03{:}27{.}940$ why clinical reasoning matters and

- $00:03:27.940 \rightarrow 00:03:30.492$ some broad information terms around it,
- NOTE Confidence: 0.40580356
- 00:03:30.492 --> 00:03:32.610 2 how do we assess clinical
- NOTE Confidence: 0.40580356
- $00:03:32.681 \dashrightarrow 00:03:34.636$ reason in the clinical setting.
- NOTE Confidence: 0.40580356
- $00:03:34.640 \longrightarrow 00:03:35.644$ You know, it's interesting.
- NOTE Confidence: 0.40580356
- $00{:}03{:}35{.}644 \dashrightarrow 00{:}03{:}37{.}865$ I've been giving a lot of workshops with
- NOTE Confidence: 0.40580356
- $00:03:37.865 \dashrightarrow 00:03:39.640$ colleagues across the country for this.
- NOTE Confidence: 0.40580356
- $00{:}03{:}39{.}640 \dashrightarrow 00{:}03{:}42{.}340$ I always like to pair assessment
- NOTE Confidence: 0.40580356
- $00:03:42.340 \longrightarrow 00:03:44.492$ before teaching just because,
- NOTE Confidence: 0.40580356
- $00{:}03{:}44{.}492 \dashrightarrow 00{:}03{:}46{.}996$ like diagnosing the learner,
- NOTE Confidence: 0.40580356
- 00:03:47.000 --> 00:03:47.753 no pun intended,
- NOTE Confidence: 0.40580356
- $00{:}03{:}47.753 \dashrightarrow 00{:}03{:}49.999$ can be so helpful for deciding what to teach.
- NOTE Confidence: 0.40580356
- $00:03:50.000 \rightarrow 00:03:51.952$ Because I know a lot of people don't
- NOTE Confidence: 0.40580356
- $00:03:51.952 \rightarrow 00:03:53.681$ necessarily have a lot of time when you
- NOTE Confidence: 0.40580356
- $00{:}03{:}53{.}681 \dashrightarrow 00{:}03{:}55{.}230$ are in your clinical settings with all
- NOTE Confidence: 0.40580356
- $00:03:55.230 \rightarrow 00:03:57.764$ the patients that you have to see as well.
- NOTE Confidence: 0.40580356
- $00:03:57.764 \rightarrow 00:04:01.300$ And we'll practice with a couple role plays

- NOTE Confidence: 0.40580356
- $00:04:01.389 \rightarrow 00:04:03.991$ for both assessing and teaching strategies.
- NOTE Confidence: 0.40580356
- $00:04:03.991 \dashrightarrow 00:04:06.490$ And I'd love to hear and encourage
- NOTE Confidence: 0.40580356
- 00:04:06.556 --> 00:04:08.924 you to share what you're thinking
- NOTE Confidence: 0.40580356
- $00:04:08.924 \rightarrow 00:04:11.429$ about for these hypothetical learners
- NOTE Confidence: 0.40580356
- $00:04:11.429 \longrightarrow 00:04:13.280$ in these situations.
- NOTE Confidence: 0.40580356
- 00:04:13.280 --> 00:04:14.905 So let's start talking about
- NOTE Confidence: 0.40580356
- 00:04:14.905 --> 00:04:16.140 clinical reasoning, epidemiology,
- NOTE Confidence: 0.40580356
- $00:04:16.140 \longrightarrow 00:04:17.880$ terminology, and theory.
- NOTE Confidence: 0.40580356
- $00:04:17.880 \longrightarrow 00:04:21.360$ So why does clinical reasoning matter?
- NOTE Confidence: 0.40580356
- $00:04:21.360 \longrightarrow 00:04:22.935$ So we've been talking about
- NOTE Confidence: 0.40580356
- $00{:}04{:}22.935 \dashrightarrow 00{:}04{:}24.358$ clinical reasoning for decades.
- NOTE Confidence: 0.40580356
- $00{:}04{:}24.358 \dashrightarrow 00{:}04{:}26.748$ The literature becomes like pretty
- NOTE Confidence: 0.40580356
- $00:04:26.748 \longrightarrow 00:04:29.758$ robust as of like 40 years ago.
- NOTE Confidence: 0.40580356
- $00{:}04{:}29{.}760 \dashrightarrow 00{:}04{:}32{.}288$ But what really started to pick up steam
- NOTE Confidence: 0.40580356
- $00:04:32.288 \rightarrow 00:04:34.700$ and interest around the topic is the
- NOTE Confidence: 0.40580356

00:04:34.700 --> 00:04:36.480 National Academy of Medicine report

NOTE Confidence: 0.40580356

00:04:36.480 --> 00:04:38.080 Improving Diagnosis in healthcare,

NOTE Confidence: 0.40580356

 $00:04:38.080 \longrightarrow 00:04:41.195$ which came out in 2015 and 16.

NOTE Confidence: 0.40580356

 $00:04:41.200 \rightarrow 00:04:42.760$ Then in this report it summarized

NOTE Confidence: 0.40580356

 $00{:}04{:}42.760 \dashrightarrow 00{:}04{:}43.280$ the literature.

NOTE Confidence: 0.40580356

 $00:04:43.280 \rightarrow 00:04:45.920$ The diagnostic errors happen a lot,

NOTE Confidence: 0.40580356

 $00:04:45.920 \longrightarrow 00:04:48.725$ anywhere from 10 to 15% of the counters

NOTE Confidence: 0.40580356

 $00:04:48.725 \dashrightarrow 00:04:50.200$ in the more cognitive specialties.

NOTE Confidence: 0.40580356

00:04:50.200 --> 00:04:52.792 So medicine, internal medicine,

NOTE Confidence: 0.40580356

00:04:52.792 --> 00:04:54.228 Pediatrics, emergency medicine,

NOTE Confidence: 0.40580356

 $00:04:54.228 \longrightarrow 00:04:56.986$ maybe less so in some of the

NOTE Confidence: 0.40580356

00:04:56.986 --> 00:04:58.320 perceptual specialities,

NOTE Confidence: 0.40580356

 $00:04:58.320 \rightarrow 00:05:00.438$ something like a radiology and pathology.

NOTE Confidence: 0.40580356

 $00:05:00.440 \rightarrow 00:05:02.800$ And these have been consistently

NOTE Confidence: 0.40580356

 $00{:}05{:}02.800 \dashrightarrow 00{:}05{:}06.160$ shown across various forms of study.

NOTE Confidence: 0.40580356

 $00:05:06.160 \rightarrow 00:05:07.888$ Chart review being the most common

- NOTE Confidence: 0.40580356
- $00:05:07.888 \dashrightarrow 00:05:10.048$ types of study and they can have

00:05:10.048 --> 00:05:10.999 a significant impact.

NOTE Confidence: 0.40580356

 $00:05:11.000 \rightarrow 00:05:14.220$ Various back in the envelope mass have

NOTE Confidence: 0.40580356

 $00:05:14.220 \rightarrow 00:05:16.718$ used numbers estimating that it could.

NOTE Confidence: 0.40580356

 $00{:}05{:}16.720 \dashrightarrow 00{:}05{:}19.004$ The diagnostic errors happened

NOTE Confidence: 0.40580356

 $00:05:19.004 \rightarrow 00:05:20.717$ to literally everyone.

NOTE Confidence: 0.40580356

 $00:05:20.720 \longrightarrow 00:05:21.188$ The mortality,

NOTE Confidence: 0.40580356

 $00:05:21.188 \rightarrow 00:05:22.592$ all the numbers depending on how

NOTE Confidence: 0.40580356

 $00{:}05{:}22.592 \dashrightarrow 00{:}05{:}23.828$ you want to define diagnostic

NOTE Confidence: 0.40580356

 $00:05:23.828 \rightarrow 00:05:25.274$ errors and the harm they cause,

NOTE Confidence: 0.40580356

 $00{:}05{:}25{.}280 \dashrightarrow 00{:}05{:}29{.}200$ can go up and down from that 40 to 80,000

NOTE Confidence: 0.40580356

 $00{:}05{:}29{.}200 \dashrightarrow 00{:}05{:}32{.}200$ number yearly in the US that I mentioned.

NOTE Confidence: 0.40580356

 $00{:}05{:}32{.}200 \dashrightarrow 00{:}05{:}34{.}396$ And what makes clinical reasoning so

NOTE Confidence: 0.40580356

 $00{:}05{:}34{.}396 \dashrightarrow 00{:}05{:}36{.}539$ important in this process is that

NOTE Confidence: 0.40580356

 $00{:}05{:}36{.}539 \dashrightarrow 00{:}05{:}38{.}381$ when we have looked at diagnostic

00:05:38.381 --> 00:05:40.582 errors and I was actually a part of NOTE Confidence: 0.40580356 $00{:}05{:}40{.}582 \dashrightarrow 00{:}05{:}43{.}120$ one of these chart review studies NOTE Confidence: 0.40580356 $00:05:43.120 \longrightarrow 00:05:46.618$ affiliated with UCSF here and about NOTE Confidence: 0.40580356 $00:05:46.618 \longrightarrow 00:05:49.460$ 70% of them have been affiliated to NOTE Confidence: 0.40580356 $00:05:49.550 \rightarrow 00:05:52.560$ be cognitive in some form or another, NOTE Confidence: 0.40580356 $00:05:52.560 \rightarrow 00:05:54.940$ which is why we like to teach NOTE Confidence: 0.40580356 $00:05:54.940 \longrightarrow 00:05:55.960$ about clinical reasoning. NOTE Confidence: 0.40580356 00:05:55.960 --> 00:05:56.320 Now, NOTE Confidence: 0.40580356 $00:05:56.320 \rightarrow 00:05:57.760$ clinical reasoning can be NOTE Confidence: 0.40580356 00:05:57.760 -> 00:05:59.560 defined in many different ways, NOTE Confidence: 0.40580356 00:05:59.560 --> 00:06:02.180 ranging from broadly problem NOTE Confidence: 0.40580356 00:06:02.180 --> 00:06:04.800 solving to critical thinking, NOTE Confidence: 0.40580356 00:06:04.800 --> 00:06:06.756 sometimes more gestalt, NOTE Confidence: 0.40580356 00:06:06.756 --> 00:06:09.364 like this learner's judgement NOTE Confidence: 0.40580356 $00:06:09.364 \rightarrow 00:06:12.320$ that I'm observing right now, NOTE Confidence: 0.40580356 $00:06:12.320 \rightarrow 00:06:14.520$ but the way I like to define it,

 $00:06:14.520 \rightarrow 00:06:16.998$ and it's not particularly the new definition.

NOTE Confidence: 0.50102544

00:06:17.000 --> 00:06:18.480 This is from Kevin Eva,

NOTE Confidence: 0.50102544

00:06:18.480 --> 00:06:20.280 the editor of Medical Education,

NOTE Confidence: 0.50102544

 $00:06:20.280 \longrightarrow 00:06:23.360$ defined it as the ability to sort

NOTE Confidence: 0.50102544

 $00{:}06{:}23.360 \dashrightarrow 00{:}06{:}26.104$ through a cluster of features presented

NOTE Confidence: 0.50102544

 $00{:}06{:}26{.}104 \dashrightarrow 00{:}06{:}29{.}176$ by a patient and the sign a diagnostic

NOTE Confidence: 0.50102544

 $00:06:29.176 \longrightarrow 00:06:31.450$ label with the development of

NOTE Confidence: 0.50102544

 $00:06:31.450 \longrightarrow 00:06:35.200$ appropriate treatment as our end goal.

NOTE Confidence: 0.50102544

 $00{:}06{:}35{.}200 \dashrightarrow 00{:}06{:}36{.}910$ Now when it comes to clinical

NOTE Confidence: 0.50102544

 $00:06:36.910 \longrightarrow 00:06:37.480$ reasoning theories,

NOTE Confidence: 0.50102544

 $00{:}06{:}37{.}480 \dashrightarrow 00{:}06{:}38{.}600$ there are so many frameworks

NOTE Confidence: 0.50102544

 $00{:}06{:}38{.}600 \dashrightarrow 00{:}06{:}39{.}720$ that inform what we teach,

NOTE Confidence: 0.50102544

 $00:06:39.720 \dashrightarrow 00:06:43.480$ often drawn from other sciences,

NOTE Confidence: 0.50102544

 $00{:}06{:}43{.}480 \dashrightarrow 00{:}06{:}46{.}000$ particularly the cognitive science

NOTE Confidence: 0.50102544

00:06:46.000 --> 00:06:48.520 realm and cognitive psychology,

 $00:06:48.520 \longrightarrow 00:06:50.368$ to maybe even a little bit

NOTE Confidence: 0.50102544

 $00:06:50.368 \longrightarrow 00:06:51.600$ from business as well.

NOTE Confidence: 0.50102544

00:06:51.600 --> 00:06:52.974 I don't know if any of

NOTE Confidence: 0.50102544

 $00:06:52.974 \longrightarrow 00:06:54.160$ these are familiar to you,

NOTE Confidence: 0.50102544

00:06:54.160 --> 00:06:56.568 but it's just so I can give

NOTE Confidence: 0.50102544

 $00{:}06{:}56{.}568 \dashrightarrow 00{:}06{:}58{.}320$ a broad strokes on them.

NOTE Confidence: 0.50102544

00:06:58.320 --> 00:06:59.715 The deliberate practice,

NOTE Confidence: 0.50102544

 $00:06:59.715 \rightarrow 00:07:02.720$ just the importance of doing effortful,

NOTE Confidence: 0.50102544

 $00{:}07{:}02.720 \dashrightarrow 00{:}07{:}05.440$ meaningful practice with getting

NOTE Confidence: 0.50102544

 $00:07:05.440 \longrightarrow 00:07:08.572$ reps around your around clinical

NOTE Confidence: 0.50102544

 $00:07:08.572 \dashrightarrow 00:07:10.756$ reasoning in different settings,

NOTE Confidence: 0.50102544

00:07:10.760 -> 00:07:11.824 knowledge organization,

NOTE Confidence: 0.50102544

 $00:07:11.824 \dashrightarrow 00:07:13.952$ both frameworks and approaches

NOTE Confidence: 0.50102544

 $00:07:13.952 \rightarrow 00:07:17.580$ to your cases and also how you

NOTE Confidence: 0.50102544

 $00:07:17.580 \longrightarrow 00:07:19.480$ store that information yourself.

NOTE Confidence: 0.50102544

 $00:07:19.480 \longrightarrow 00:07:21.892$ The term illness script has become

- NOTE Confidence: 0.50102544
- $00:07:21.892 \rightarrow 00:07:24.120$ really popular and we've recently

 $00{:}07{:}24.120 \dashrightarrow 00{:}07{:}25.980$ developed a framework called the

NOTE Confidence: 0.50102544

 $00:07:25.980 \rightarrow 00:07:28.349$ management script of how you organize

NOTE Confidence: 0.50102544

 $00:07:28.349 \longrightarrow 00:07:30.129$ information about diagnosis and

NOTE Confidence: 0.50102544

 $00:07:30.129 \rightarrow 00:07:33.064$ management options in that given patient.

NOTE Confidence: 0.50102544

 $00:07:33.064 \rightarrow 00:07:35.880$ In addition to that,

NOTE Confidence: 0.50102544

 $00:07:35.880 \longrightarrow 00:07:37.965$ sorry about quick Trigger on

NOTE Confidence: 0.50102544

00:07:37.965 -> 00:07:39.943 my mouse dual process theory,

NOTE Confidence: 0.50102544

 $00{:}07{:}39{.}943 \dashrightarrow 00{:}07{:}42.610$ the idea of thinking fast and slow

NOTE Confidence: 0.50102544

 $00:07:42.679 \rightarrow 00:07:45.944$ might be familiar to y'all so thinking fast,

NOTE Confidence: 0.50102544

 $00:07:45.944 \longrightarrow 00:07:46.920$ so system.

NOTE Confidence: 0.50102544

00:07:46.920 --> 00:07:48.915 So this is popularized by Daniel Kahneman

NOTE Confidence: 0.50102544

 $00:07:48.915 \rightarrow 00:07:51.197$ who won actually a Nobel Prize for this work.

NOTE Confidence: 0.50102544

 $00{:}07{:}51.200 \dashrightarrow 00{:}07{:}52.424$ He was actually getting

NOTE Confidence: 0.50102544

 $00{:}07{:}52{.}424 \dashrightarrow 00{:}07{:}53{.}954$ economics I want to say,

 $00:07:53.960 \rightarrow 00:07:57.038$ but system one being pattern recognition,

NOTE Confidence: 0.50102544

 $00{:}07{:}57{.}040 \dashrightarrow 00{:}07{:}59{.}600$ which is what our more seasoned experts use,

NOTE Confidence: 0.50102544

 $00:07:59.600 \longrightarrow 00:08:01.784$ versus system 2 which is our

NOTE Confidence: 0.50102544

 $00:08:01.784 \longrightarrow 00:08:02.876$ more analytical thinking.

NOTE Confidence: 0.50102544

 $00{:}08{:}02.880 \dashrightarrow 00{:}08{:}05.729$ But it's much more time consuming and

NOTE Confidence: 0.50102544

 $00{:}08{:}05{.}729 \dashrightarrow 00{:}08{:}07{.}753$ eventually over time learners move

NOTE Confidence: 0.50102544

 $00:08:07.753 \rightarrow 00:08:10.315$ more from System 2 to system one.

NOTE Confidence: 0.50102544

 $00:08:10.320 \longrightarrow 00:08:11.526$ And then finally,

NOTE Confidence: 0.50102544

 $00:08:11.526 \rightarrow 00:08:13.536$ probably the biggest theory that's

NOTE Confidence: 0.50102544

 $00:08:13.536 \longrightarrow 00:08:15.688$ gaining traction in the clinical

NOTE Confidence: 0.50102544

 $00{:}08{:}15.688 \dashrightarrow 00{:}08{:}17.833$ reasoning literature is around situativity.

NOTE Confidence: 0.50102544

 $00{:}08{:}17.840 \dashrightarrow 00{:}08{:}20.094$ So what's going on in the environment

NOTE Confidence: 0.50102544

 $00:08:20.094 \rightarrow 00:08:21.482$ knowing that clinical reasoning

NOTE Confidence: 0.50102544

00:08:21.482 --> 00:08:23.636 isn't just practice inside the head,

NOTE Confidence: 0.50102544

 $00{:}08{:}23.640 \dashrightarrow 00{:}08{:}26.100$ that it's practice in an environment

NOTE Confidence: 0.50102544

 $00:08:26.100 \longrightarrow 00:08:26.920$ that changes,

- NOTE Confidence: 0.50102544
- $00:08:26.920 \rightarrow 00:08:29.280$ that involves many different partners,

 $00{:}08{:}29{.}280 \dashrightarrow 00{:}08{:}30{.}992$ including the patients involved

NOTE Confidence: 0.50102544

 $00{:}08{:}30{.}992 \dashrightarrow 00{:}08{:}32{.}276$ in their care.

NOTE Confidence: 0.50102544

 $00:08:32.280 \rightarrow 00:08:33.368$ And they're even subcategories

NOTE Confidence: 0.50102544

 $00:08:33.368 \longrightarrow 00:08:35.000$ of this that I won't believe.

NOTE Confidence: 0.50102544

00:08:35.000 --> 00:08:38.017 But just the idea of context is

NOTE Confidence: 0.50102544

00:08:38.017 --> 00:08:39.960 important in clinical reason.

NOTE Confidence: 0.50102544

 $00:08:39.960 \rightarrow 00:08:42.354$ So if I had to break down a cognitive

NOTE Confidence: 0.50102544

 $00{:}08{:}42.354 \dashrightarrow 00{:}08{:}44.471$ model and it's really started to

NOTE Confidence: 0.50102544

 $00{:}08{:}44{.}471 \dashrightarrow 00{:}08{:}46{.}640$ become more solidified over the past,

NOTE Confidence: 0.50102544

 $00{:}08{:}46.640 \dashrightarrow 00{:}08{:}50.312$ I want to say like 7 to 10 years.

NOTE Confidence: 0.50102544

 $00{:}08{:}50{.}320 \dashrightarrow 00{:}08{:}52{.}511$ There are 4 main steps in the

NOTE Confidence: 0.50102544

00:08:52.511 --> 00:08:54.114 clinical reasoning process that can

NOTE Confidence: 0.50102544

 $00{:}08{:}54{.}114 \dashrightarrow 00{:}08{:}55{.}920$ be like ordered in different ways,

NOTE Confidence: 0.50102544

 $00:08:55.920 \rightarrow 00:08:59.598$ but those steps are data collection.

 $00:08:59.600 \rightarrow 00:09:01.520$ So how your learners get information,

NOTE Confidence: 0.50102544

 $00{:}09{:}01{.}520 \dashrightarrow 00{:}09{:}03{.}914$ all of these will derive from the

NOTE Confidence: 0.50102544

 $00{:}09{:}03{.}920 \dashrightarrow 00{:}09{:}06{.}545$ the definition that I gave a clinical

NOTE Confidence: 0.50102544

 $00:09:06.545 \rightarrow 00:09:08.040$ reasoning problem representation.

NOTE Confidence: 0.50102544

 $00:09:08.040 \longrightarrow 00:09:11.400$ So how you synthesize that information,

NOTE Confidence: 0.50102544

 $00{:}09{:}11{.}400 \dashrightarrow 00{:}09{:}13{.}452$ how do you determine signal from

NOTE Confidence: 0.50102544

 $00{:}09{:}13.452 \dashrightarrow 00{:}09{:}15.240$ noise sick or not sick.

NOTE Confidence: 0.50102544

 $00:09:15.240 \longrightarrow 00:09:17.720$ We usually see that in the one liner

NOTE Confidence: 0.50102544

 $00{:}09{:}17.720 \dashrightarrow 00{:}09{:}19.597$ that assessment that we think about,

NOTE Confidence: 0.50102544

 $00:09:19.600 \longrightarrow 00:09:21.644$ you know the part where we as

NOTE Confidence: 0.50102544

 $00{:}09{:}21.644 \dashrightarrow 00{:}09{:}23.149$ attending is actually like perk

NOTE Confidence: 0.50102544

 $00:09:23.149 \longrightarrow 00:09:25.116$ up and listen a little bit more

NOTE Confidence: 0.50102544

 $00:09:25.116 \longrightarrow 00:09:26.319$ closely to our learner.

NOTE Confidence: 0.50102544

00:09:26.320 --> 00:09:29.200 Next prioritizing A differential diagnosis,

NOTE Confidence: 0.50102544

 $00:09:29.200 \longrightarrow 00:09:30.685$ obviously what we think of

NOTE Confidence: 0.50102544

 $00:09:30.685 \rightarrow 00:09:31.873$ most with clinical reasoning.

- NOTE Confidence: 0.9400829
- 00:09:31.880 --> 00:09:34.000 If I could break it down just into two steps,

00:09:34.000 --> 00:09:36.480 a little bit more, I would say one,

NOTE Confidence: 0.9400829

 $00:09:36.480 \rightarrow 00:09:39.360$ just coming up with a list of diagnosis.

NOTE Confidence: 0.9400829

 $00:09:39.360 \rightarrow 00:09:42.376$ This is what we usually see our more

NOTE Confidence: 0.9400829

 $00:09:42.376 \rightarrow 00:09:44.535$ junior learner struggle with the

NOTE Confidence: 0.9400829

 $00:09:44.535 \dashrightarrow 00:09:47.193$ right like your medical PA students.

NOTE Confidence: 0.9400829

 $00:09:47.200 \rightarrow 00:09:49.720$ Whereas when you get to more senior learners,

NOTE Confidence: 0.9400829

 $00:09:49.720 \longrightarrow 00:09:51.897$ it's more about how do they decide

NOTE Confidence: 0.9400829

 $00:09:51.897 \dashrightarrow 00:09:53.920$ which of those diagnosis files,

NOTE Confidence: 0.9400829

 $00:09:53.920 \rightarrow 00:09:56.038$ those illness scripts, should they choose,

NOTE Confidence: 0.9400829

 $00:09:56.040 \dashrightarrow 00:09:59.799$ which one matches more to this diagnosis.

NOTE Confidence: 0.9400829

 $00{:}09{:}59{.}800 \dashrightarrow 00{:}10{:}00{.}577$ And that's where,

NOTE Confidence: 0.9400829

 $00:10:00.577 \rightarrow 00:10:02.390$ you know they can decide on what

NOTE Confidence: 0.9400829

 $00{:}10{:}02{.}442 \dashrightarrow 00{:}10{:}03{.}837$ eventually they need to do,

NOTE Confidence: 0.9400829

 $00:10:03.840 \longrightarrow 00:10:06.199$ which is the next step of management

 $00{:}10{:}06{.}199 \dashrightarrow 00{:}10{:}08{.}356$ reasoning and break this down into

NOTE Confidence: 0.9400829

 $00{:}10{:}08.356 \dashrightarrow 00{:}10{:}10{.}040$ two components, management scripts,

NOTE Confidence: 0.9400829

 $00:10:10.040 \rightarrow 00:10:13.880$ how do you decide what your options are?

NOTE Confidence: 0.9400829

 $00:10:13.880 \longrightarrow 00:10:14.924$ And then finally,

NOTE Confidence: 0.9400829

 $00{:}10{:}14.924 \dashrightarrow 00{:}10{:}16.316$ testing and treatment thresholds,

NOTE Confidence: 0.9400829

 $00:10:16.320 \rightarrow 00:10:18.520$ whether or not to do something at all.

NOTE Confidence: 0.9400829

 $00:10:18.520 \longrightarrow 00:10:21.238$ So with those 4 broad steps,

NOTE Confidence: 0.9400829

 $00{:}10{:}21{.}240 \dashrightarrow 00{:}10{:}23{.}182$ I want to think about how we assess

NOTE Confidence: 0.9400829

 $00{:}10{:}23.182 \dashrightarrow 00{:}10{:}25.474$ our learners and teach our learners.

NOTE Confidence: 0.9400829

00:10:25.480 --> 00:10:27.032 But before I do,

NOTE Confidence: 0.9400829

 $00{:}10{:}27.032 \dashrightarrow 00{:}10{:}28.972$ did anybody have any questions

NOTE Confidence: 0.9400829

 $00:10:28.972 \rightarrow 00:10:30.319$ about this so far?

NOTE Confidence: 0.7698591

00:10:33.440 --> 00:10:35.696 All right. Last thing I'll just

NOTE Confidence: 0.7698591

 $00:10:35.696 \rightarrow 00:10:38.040$ say about this is that this model,

NOTE Confidence: 0.7698591

 $00{:}10{:}38.040 \dashrightarrow 00{:}10{:}40.150$ so to speak, of clinical

NOTE Confidence: 0.7698591

 $00:10:40.150 \rightarrow 00:10:41.838$ reasoning is constantly happening.

- NOTE Confidence: 0.7698591
- $00:10:41.840 \longrightarrow 00:10:43.552$ The process of clinical

 $00:10:43.552 \rightarrow 00:10:44.836$ reasoning is iterative.

NOTE Confidence: 0.7698591

 $00:10:44.840 \rightarrow 00:10:46.900$ And that's actually the best process, right,

NOTE Confidence: 0.7698591

 $00:10:46.900 \rightarrow 00:10:48.720$ Because we know there's so much uncertainty.

NOTE Confidence: 0.7698591

 $00{:}10{:}48.720 \dashrightarrow 00{:}10{:}52.120$ We know that there's so much new information

NOTE Confidence: 0.7698591

 $00:10:52.120 \longrightarrow 00:10:53.436$ that even as you're taking a history,

NOTE Confidence: 0.7698591

 $00:10:53.440 \longrightarrow 00:10:55.175$ you know that your differential

NOTE Confidence: 0.7698591

 $00:10:55.175 \longrightarrow 00:10:57.273$ is changing literally word to word

NOTE Confidence: 0.7698591

 $00{:}10{:}57{.}273 \dashrightarrow 00{:}10{:}59{.}079$ by what our learners are saying.

NOTE Confidence: 0.7698591

 $00:10:59.080 \longrightarrow 00:11:00.080$ So with that in mind,

NOTE Confidence: 0.7698591

 $00:11:00.080 \rightarrow 00:11:02.678$ how can we assess clinical reasoning?

NOTE Confidence: 0.7698591

00:11:02.680 --> 00:11:05.155 All right, so warm y'all up a little bit,

NOTE Confidence: 0.7698591

 $00{:}11{:}05{.}160 \dashrightarrow 00{:}11{:}06{.}318$ every body's gotten a chance to eat.

NOTE Confidence: 0.7698591

 $00{:}11{:}06{.}320$ --> $00{:}11{:}09{.}408$ This is where I asked for some audience

NOTE Confidence: 0.7698591

00:11:09.408 --> 00:11:11.000 participation, even if cameras are off.

- 00:11:11.000 --> 00:11:12.226 That's OK.
- NOTE Confidence: 0.7698591
- 00:11:12.226 --> 00:11:15.760 And I was wondering for y'all,
- NOTE Confidence: 0.7698591
- 00:11:15.760 --> 00:11:17.920 how do you identify?
- NOTE Confidence: 0.7698591
- $00:11:17.920 \longrightarrow 00:11:19.895$ If your learner is struggling
- NOTE Confidence: 0.7698591
- $00:11:19.895 \rightarrow 00:11:21.080$ with clinical reasoning,
- NOTE Confidence: 0.7698591
- $00{:}11{:}21{.}080 \dashrightarrow 00{:}11{:}22{.}992$ feel free to put it in the chat
- NOTE Confidence: 0.7698591
- $00:11:22.992 \longrightarrow 00:11:24.638$ or unmute yourself and share.
- NOTE Confidence: 0.7630874
- $00:11:41.890 \longrightarrow 00:11:43.054$ know your learner struggling
- NOTE Confidence: 0.7630874
- 00:11:43.054 --> 00:11:43.927 with clinical reason
- NOTE Confidence: 0.7630874
- $00:11:46.530 \rightarrow 00:11:48.850$ for you guys who might not have microphones,
- NOTE Confidence: 0.7630874
- 00:11:48.850 --> 00:11:50.810 Feel free to put it in the chat too,
- NOTE Confidence: 0.7630874
- 00:11:53.090 --> 00:11:54.630 right? Melissa said. Doesn't
- NOTE Confidence: 0.7630874
- $00:11:54.630 \rightarrow 00:11:56.170$ formulate an appropriate differential.
- NOTE Confidence: 0.7630874
- $00:11:56.170 \longrightarrow 00:11:59.928$ Yeah, that's like kind of like the
- NOTE Confidence: 0.7630874
- $00:11:59.930 \longrightarrow 00:12:02.324$ the the stop as far as like oh wow,
- NOTE Confidence: 0.7630874
- $00:12:02.330 \longrightarrow 00:12:03.933$ like now you need to say what

- NOTE Confidence: 0.7630874
- $00:12:03.933 \longrightarrow 00:12:06.104$ you think is going on and you're

 $00:12:06.104 \rightarrow 00:12:07.524$ not just presenting information.

NOTE Confidence: 0.7630874

 $00:12:07.530 \longrightarrow 00:12:08.244$ Definitely. For sure.

NOTE Confidence: 0.7630874

 $00:12:08.244 \rightarrow 00:12:09.434$ The differential is a great

NOTE Confidence: 0.7630874

 $00:12:09.434 \longrightarrow 00:12:10.330$ place to diagnose,

NOTE Confidence: 0.3103357

 $00:12:15.320 \rightarrow 00:12:18.358$ telling you you can't even summarize that.

NOTE Confidence: 0.3103357

00:12:18.360 --> 00:12:21.237 You know, Kind of like the assessment

NOTE Confidence: 0.3103357

 $00:12:21.240 \longrightarrow 00:12:23.744$ where it's just like a whole bunch of

NOTE Confidence: 0.3103357

 $00{:}12{:}23.744 \dashrightarrow 00{:}12{:}26.800$ facts kind of put together, all hodgepodge.

NOTE Confidence: 0.27672905

00:12:27.400 --> 00:12:30.404 Yes, for sure, right when they are

NOTE Confidence: 0.27672905

 $00:12:30.404 \rightarrow 00:12:32.024$ really struggling to like collect

NOTE Confidence: 0.27672905

 $00{:}12{:}32{.}024 \dashrightarrow 00{:}12{:}33{.}929$ or all that information to what

NOTE Confidence: 0.27672905

00:12:33.929 --> 00:12:35.656 what matters most, right Penina.

NOTE Confidence: 0.27672905

 $00:12:35.656 \longrightarrow 00:12:37.000$ And really determining

NOTE Confidence: 0.27672905

 $00:12:37.000 \longrightarrow 00:12:38.792$ that can be challenging.

 $00:12:38.800 \rightarrow 00:12:40.400$ So at least for each of these steps,

NOTE Confidence: 0.27672905

 $00{:}12{:}40{.}400 \dashrightarrow 00{:}12{:}42{.}140$ here are some broad ways

NOTE Confidence: 0.27672905

00:12:42.140 --> 00:12:43.880 that I understand a patient,

NOTE Confidence: 0.27672905

 $00:12:43.880 \longrightarrow 00:12:45.325$ when you're listening to our

NOTE Confidence: 0.27672905

 $00{:}12{:}45{.}325 \dashrightarrow 00{:}12{:}46{.}991$ presentations that you can kind of

NOTE Confidence: 0.27672905

00:12:46.991 --> 00:12:48.390 like tune into where you might be

NOTE Confidence: 0.27672905

 $00{:}12{:}48.390 \dashrightarrow 00{:}12{:}50.038$ able to teach your learners the most.

NOTE Confidence: 0.27672905

 $00:12:50.040 \longrightarrow 00:12:53.436$ So first is for data collection.

NOTE Confidence: 0.27672905

 $00{:}12{:}53{.}440 \dashrightarrow 00{:}12{:}55{.}760$ The quality of the information is very good.

NOTE Confidence: 0.27672905

 $00:12:55.760 \longrightarrow 00:12:57.578$ It's not clear.

NOTE Confidence: 0.27672905

 $00:12:57.578 \longrightarrow 00:12:59.396$ It's missing information.

NOTE Confidence: 0.27672905

 $00:12:59.400 \longrightarrow 00:13:00.200$ And that's the gestalt.

NOTE Confidence: 0.27672905

00:13:00.200 --> 00:13:01.000 That's when you're like,

NOTE Confidence: 0.27672905

00:13:01.000 --> 00:13:01.648 you wasn't attending,

NOTE Confidence: 0.27672905

00:13:01.648 --> 00:13:02.780 you're like, wait, wait,

NOTE Confidence: 0.27672905

 $00:13:02.780 \rightarrow 00:13:04.880$ what's going on with this patient?

- NOTE Confidence: 0.27672905
- $00:13:04.880 \longrightarrow 00:13:07.757$ That's usually a sign that your learner

 $00:13:07.757 \rightarrow 00:13:09.880$ hasn't gotten enough information.

NOTE Confidence: 0.27672905

00:13:09.880 --> 00:13:11.140 Next up, problem representation,

NOTE Confidence: 0.27672905

00:13:11.140 --> 00:13:12.400 like Panino was mentioning,

NOTE Confidence: 0.27672905

 $00:13:12.400 \longrightarrow 00:13:13.880$ most seen in the assessment,

NOTE Confidence: 0.27672905

 $00:13:13.880 \longrightarrow 00:13:15.024$ also in sign outs.

NOTE Confidence: 0.27672905

 $00{:}13{:}15{.}024 \dashrightarrow 00{:}13{:}17{.}341$ That's a great time to figure out or

NOTE Confidence: 0.27672905

 $00{:}13{:}17{.}341 \dashrightarrow 00{:}13{:}18{.}956$ in consults hearing like a learner

NOTE Confidence: 0.27672905

 $00{:}13{:}18{.}956 \dashrightarrow 00{:}13{:}20{.}301$ summarize that information and they

NOTE Confidence: 0.27672905

 $00:13:20.301 \longrightarrow 00:13:22.159$ just can't put that information together.

NOTE Confidence: 0.27672905

00:13:22.160 --> 00:13:24.200 They're not including the right stuff.

NOTE Confidence: 0.27672905

 $00{:}13{:}24.200 \dashrightarrow 00{:}13{:}27.196$ It's disorganized and all over the place.

NOTE Confidence: 0.27672905

 $00:13:27.200 \longrightarrow 00:13:29.120$ It doesn't really give a tempo,

NOTE Confidence: 0.27672905

 $00{:}13{:}29{.}120 \dashrightarrow 00{:}13{:}31{.}730$ a timing of how the patient

NOTE Confidence: 0.27672905

 $00:13:31.730 \longrightarrow 00:13:33.035$ might be evolving,

- 00:13:33.040 --> 00:13:35.064 prioritizing A differential diagnosis.
- NOTE Confidence: 0.27672905
- 00:13:35.064 --> 00:13:37.073 So obvious, like we said,
- NOTE Confidence: 0.27672905
- $00{:}13{:}37{.}073$ --> $00{:}13{:}39{.}059$ either there's not enough diagnosis and
- NOTE Confidence: 0.27672905
- $00{:}13{:}39{.}059 \dashrightarrow 00{:}13{:}41{.}236$ they're not really in a reasonable order.
- NOTE Confidence: 0.27672905
- $00{:}13{:}41{.}240 \dashrightarrow 00{:}13{:}43{.}354$ And I will say this about honestly,
- NOTE Confidence: 0.27672905
- $00{:}13{:}43.360 \dashrightarrow 00{:}13{:}44.600$ this goes for clinical reasoning,
- NOTE Confidence: 0.27672905
- $00:13:44.600 \longrightarrow 00:13:46.640$ but specifically for
- NOTE Confidence: 0.27672905
- 00:13:46.640 --> 00:13:48.000 prioritizing differential,
- NOTE Confidence: 0.27672905
- $00{:}13{:}48.000 \dashrightarrow 00{:}13{:}50.150$ we're not looking for a
- NOTE Confidence: 0.27672905
- $00:13:50.150 \longrightarrow 00:13:51.440$ single correct answer.
- NOTE Confidence: 0.27672905
- $00:13:51.440 \longrightarrow 00:13:52.556$ There's so many analogies.
- NOTE Confidence: 0.27672905
- 00:13:52.556 --> 00:13:54.880 I'll I'll use some related to like sports,
- NOTE Confidence: 0.27672905
- 00:13:54.880 --> 00:13:57.280 for example, a strike zone,
- NOTE Confidence: 0.27672905
- $00{:}13{:}57{.}280 \dashrightarrow 00{:}13{:}58{.}820$ especially because we're like
- NOTE Confidence: 0.27672905
- $00:13:58.820 \longrightarrow 00:14:00.360$ baseball season right now,
- NOTE Confidence: 0.27672905
- $00:14:00.360 \rightarrow 00:14:01.644$ but we're not expecting it to

- NOTE Confidence: 0.27672905
- $00{:}14{:}01{.}644 \dashrightarrow 00{:}14{:}02{.}840$ be in a single place,
- NOTE Confidence: 0.27672905
- $00:14:02.840 \rightarrow 00:14:03.142$ right.
- NOTE Confidence: 0.27672905
- $00:14:03.142 \longrightarrow 00:14:05.256$ It could be around a general area
- NOTE Confidence: 0.27672905
- $00{:}14{:}05{.}256 \dashrightarrow 00{:}14{:}07{.}718$ for a differential for a learner's
- NOTE Confidence: 0.27672905
- 00:14:07.718 --> 00:14:10.400 clinical reasoning to be fairly strong,
- NOTE Confidence: 0.27672905
- $00:14:10.400 \longrightarrow 00:14:13.001$ but we're looking at to be for it to
- NOTE Confidence: 0.27672905
- $00:14:13.001 \longrightarrow 00:14:15.493$ be somewhere around there management
- NOTE Confidence: 0.27672905
- $00:14:15.493 \rightarrow 00:14:18.451$ even more so actually in management
- NOTE Confidence: 0.27672905
- $00:14:18.451 \rightarrow 00:14:21.610$ there often isn't a right answer and
- NOTE Confidence: 0.27672905
- $00:14:21.610 \rightarrow 00:14:24.480$ the the answer changes right over time.
- NOTE Confidence: 0.27672905
- $00:14:24.480 \longrightarrow 00:14:26.256$ So some signs of this can be a
- NOTE Confidence: 0.27672905
- $00:14:26.256 \longrightarrow 00:14:28.090$ little bit more it can be either
- NOTE Confidence: 0.27672905
- $00:14:28.090 \dashrightarrow 00:14:29.800$ like very blunt and obvious right.
- NOTE Confidence: 0.27672905
- $00{:}14{:}29{.}800 \dashrightarrow 00{:}14{:}31{.}848$ The plan is incomplete.
- NOTE Confidence: 0.27672905
- $00{:}14{:}31{.}848 \dashrightarrow 00{:}14{:}34{.}408$ There's very clear evidence based
- NOTE Confidence: 0.27672905

 $00:14:34.408 \rightarrow 00:14:36.644$ guideline interventions that are not

NOTE Confidence: 0.27672905

 $00:14:36.644 \rightarrow 00:14:38.799$ being like suggested recommended ordered.

NOTE Confidence: 0.27672905

 $00{:}14{:}38{.}800 \dashrightarrow 00{:}14{:}41{.}584$ But then there are like more like faint

NOTE Confidence: 0.27672905

 $00:14:41.584 \rightarrow 00:14:43.767$ signs that I'll notice particularly

NOTE Confidence: 0.27672905

 $00:14:43.767 \rightarrow 00:14:45.840$ in higher stakes such situations.

NOTE Confidence: 0.27672905

 $00:14:45.840 \longrightarrow 00:14:47.840$ I attended our step down

NOTE Confidence: 0.27672905

 $00:14:47.840 \longrightarrow 00:14:49.439$ unit not infrequently,

NOTE Confidence: 0.27672905

 $00:14:49.440 \longrightarrow 00:14:53.190$ so I'll notice here some things

NOTE Confidence: 0.27672905

00:14:53.190 --> 00:14:54.976 like indecisiveness which might

NOTE Confidence: 0.27672905

 $00:14:54.976 \longrightarrow 00:14:56.316$ suggest that a learner has

NOTE Confidence: 0.27672905

 $00:14:56.316 \longrightarrow 00:14:57.843$ doesn't have really well honed

NOTE Confidence: 0.27672905

 $00:14:57.843 \rightarrow 00:14:59.195$ testing and treatment thresholds.

NOTE Confidence: 0.27672905

 $00:14:59.200 \longrightarrow 00:15:01.285$ It's great to like have

NOTE Confidence: 0.27672905

 $00{:}15{:}01.285 \dashrightarrow 00{:}15{:}02.953$ uncertainty and acknowledge that,

NOTE Confidence: 0.27672905

 $00{:}15{:}02{.}960 \dashrightarrow 00{:}15{:}04{.}552$ but you got to know what you want

NOTE Confidence: 0.27672905

 $00:15:04.552 \rightarrow 00:15:06.380$ to do with that uncertainty over

- NOTE Confidence: 0.27672905
- $00:15:06.380 \rightarrow 00:15:07.880$ testing under treatment that my

 $00:15:07.880 \longrightarrow 00:15:09.406$ high value care colleagues will

NOTE Confidence: 0.27672905

 $00{:}15{:}09{.}406 \dashrightarrow 00{:}15{:}11{.}074$ certainly want me to recommend that.

NOTE Confidence: 0.27672905

00:15:11.080 --> 00:15:13.900 I include that in in management

NOTE Confidence: 0.27672905

 $00{:}15{:}13{.}900 \dashrightarrow 00{:}15{:}14{.}840$ reasoning too.

NOTE Confidence: 0.27672905

 $00{:}15{:}14.840 \dashrightarrow 00{:}15{:}16.320$ And there's a ton of overlap as well.

NOTE Confidence: 0.27672905

 $00:15:16.320 \longrightarrow 00:15:17.776$ There's our patient care

NOTE Confidence: 0.27672905

 $00:15:17.776 \rightarrow 00:15:19.596$ communication aspects around the plan,

NOTE Confidence: 0.27672905

 $00{:}15{:}19.600 \dashrightarrow 00{:}15{:}21.910$ but those are some general impressions

NOTE Confidence: 0.27672905

 $00:15:21.910 \longrightarrow 00:15:24.782$ of what you're looking at for when a

NOTE Confidence: 0.27672905

 $00{:}15{:}24.782 \dashrightarrow 00{:}15{:}26.678$ learner might be struggling in those

NOTE Confidence: 0.93921006

00:15:26.741 --> 00:15:27.816 areas. All right,

NOTE Confidence: 0.93921006

 $00{:}15{:}27.816 \dashrightarrow 00{:}15{:}29.556$ I'm gonna think about some.

NOTE Confidence: 0.93921006

 $00{:}15{:}29.560 \dashrightarrow 00{:}15{:}31.640$ I'm gonna share some strategies,

NOTE Confidence: 0.93921006

 $00:15:31.640 \longrightarrow 00:15:34.016$ both generally about teaching

 $00:15:34.016 \rightarrow 00:15:36.192$ clinical reasoning and specific

NOTE Confidence: 0.93921006

 $00{:}15{:}36{.}192 \dashrightarrow 00{:}15{:}37{.}760$ with the niche strategy.

NOTE Confidence: 0.93921006

00:15:37.760 --> 00:15:40.200 But I'm gonna pause again.

NOTE Confidence: 0.93921006

 $00:15:40.200 \longrightarrow 00:15:41.946$ I'm putting myself out there to

NOTE Confidence: 0.93921006

 $00:15:41.946 \longrightarrow 00:15:44.393$ everybody to ask what are some ways that

NOTE Confidence: 0.93921006

 $00:15:44.393 \rightarrow 00:15:46.235$ you like to teach clinical reasoning?

NOTE Confidence: 0.93921006

 $00:15:46.240 \longrightarrow 00:15:48.024$ It could be anything,

NOTE Confidence: 0.93921006

 $00:15:48.024 \rightarrow 00:15:50.700$ a very broad open-ended when you

NOTE Confidence: 0.93921006

 $00{:}15{:}50.785 \dashrightarrow 00{:}15{:}53.755$ like teaching how you like teaching.

NOTE Confidence: 0.93921006

 $00:15:53.760 \longrightarrow 00:15:55.040$ Whatever comes to mind,

NOTE Confidence: 0.31081134

 $00:16:11.080 \longrightarrow 00:16:12.360$ Richard, that you're unmuted.

NOTE Confidence: 0.31081134

00:16:12.360 --> 00:16:14.280 Did you want to say something?

NOTE Confidence: 0.31081134

00:16:14.280 --> 00:16:16.457 Yeah, I was. I mean it's more

NOTE Confidence: 0.31081134

00:16:16.457 --> 00:16:18.640 I guess relevant in cardiology,

NOTE Confidence: 0.31081134

 $00:16:18.640 \longrightarrow 00:16:21.884$ but I like to usually point them

NOTE Confidence: 0.31081134

 $00:16:21.884 \rightarrow 00:16:23.824$ towards thinking the Physiology of

- NOTE Confidence: 0.31081134
- $00:16:23.824 \rightarrow 00:16:26.475$ what we are talking about and then
- NOTE Confidence: 0.31081134
- $00{:}16{:}26.475 \dashrightarrow 00{:}16{:}28.180$ have that drive towards, you know,
- NOTE Confidence: 0.31081134
- $00:16:28.180 \rightarrow 00:16:29.556$ what you're going to do for the patient.
- NOTE Confidence: 0.31081134
- 00:16:30.400 --> 00:16:32.040 That's great. And it's Rushka,
- NOTE Confidence: 0.31081134
- $00{:}16{:}32.040 \dashrightarrow 00{:}16{:}35.398$ right, that I, I, I love that.
- NOTE Confidence: 0.31081134
- 00:16:35.400 --> 00:16:38.280 And that's really good for learners,
- NOTE Confidence: 0.31081134
- $00:16:38.280 \longrightarrow 00:16:39.948$ especially when they're newish
- NOTE Confidence: 0.31081134
- $00:16:39.948 \longrightarrow 00:16:42.451$ to a field as well, right?
- NOTE Confidence: 0.31081134
- 00:16:42.451 --> 00:16:43.684 Especially so your,
- NOTE Confidence: 0.31081134
- 00:16:43.684 --> 00:16:44.917 your clerkship learners,
- NOTE Confidence: 0.31081134
- $00:16:44.920 \longrightarrow 00:16:46.474$ they have that basic and science knowledge.
- NOTE Confidence: 0.31081134
- $00{:}16{:}46{.}480 \dashrightarrow 00{:}16{:}48{.}510$ So that's actually kind of fun and
- NOTE Confidence: 0.31081134
- $00:16:48.510 \dashrightarrow 00:16:50.437$ reinforcing for them to see like oh wow,
- NOTE Confidence: 0.31081134
- 00:16:50.440 --> 00:16:52.325 like I know something or
- NOTE Confidence: 0.31081134
- $00:16:52.325 \rightarrow 00:16:53.833$ you're like early fellows.
- NOTE Confidence: 0.31081134

 $00:16:53.840 \rightarrow 00:16:56.640$ I'd imagine they're still like really wrote,

NOTE Confidence: 0.31081134

 $00{:}16{:}56{.}640 \dashrightarrow 00{:}16{:}58{.}480$ you know, close to that,

NOTE Confidence: 0.31081134

 $00:16:58.480 \longrightarrow 00:16:59.680$ like that Physiology,

NOTE Confidence: 0.31081134

 $00{:}16{:}59{.}680 \dashrightarrow 00{:}17{:}01{.}680$ although I imagine this specialty,

NOTE Confidence: 0.31081134

00:17:01.680 --> 00:17:03.720 you're always close to your Physiology,

NOTE Confidence: 0.31081134

 $00:17:03.720 \longrightarrow 00:17:05.760$ but tying that back that can

NOTE Confidence: 0.31081134

00:17:05.760 --> 00:17:07.120 connect it ground alertness,

NOTE Confidence: 0.31081134

 $00:17:07.120 \longrightarrow 00:17:08.840$ clinical reasoning and almost

NOTE Confidence: 0.31081134

00:17:08.840 --> 00:17:11.488 act as a framework too for different

NOTE Confidence: 0.31081134

 $00:17:11.488 \rightarrow 00:17:12.802$ options of possibilities, right?

NOTE Confidence: 0.31081134

 $00{:}17{:}12.802 \dashrightarrow 00{:}17{:}14.566$ Like a patient might have an

NOTE Confidence: 0.31081134

00:17:14.566 --> 00:17:16.000 AKI and you can say like,

NOTE Confidence: 0.31081134

00:17:16.000 - 00:17:17.758 OK, what are like the parts?

NOTE Confidence: 0.31081134

 $00:17:17.760 \longrightarrow 00:17:19.230$ Like let's follow like the urine

NOTE Confidence: 0.31081134

 $00:17:19.230 \longrightarrow 00:17:21.159$ all the way to like the ureters,

NOTE Confidence: 0.31081134

00:17:21.160 --> 00:17:21.460 right?

- NOTE Confidence: 0.31081134
- 00:17:21.460 --> 00:17:21.760 Like,
- NOTE Confidence: 0.31081134
- $00{:}17{:}21.760 \dashrightarrow 00{:}17{:}24.160$ So what are the areas where a lesion
- NOTE Confidence: 0.31081134
- 00:17:24.222 --> 00:17:26.118 could occur to 'cause this AKI?
- NOTE Confidence: 0.5655742
- 00:17:40.900 --> 00:17:41.710 So using Physiology,
- NOTE Confidence: 0.5655742
- $00:17:41.710 \longrightarrow 00:17:43.330$ that's a that's a great way
- NOTE Confidence: 0.5655742
- $00:17:43.330 \longrightarrow 00:17:44.978$ to teach clinical reasoning.
- NOTE Confidence: 0.5655742
- $00:17:44.980 \longrightarrow 00:17:45.832$ Anything else?
- NOTE Confidence: 0.5655742
- 00:17:45.832 --> 00:17:47.536 Maybe one more strategy.
- NOTE Confidence: 0.5655742
- 00:17:47.540 --> 00:17:48.260 I'll wait for
- NOTE Confidence: 0.5655742
- $00:17:50.340 \longrightarrow 00:17:52.500$ quiet one day group, everyone
- NOTE Confidence: 0.5655742
- $00:17:54.860 \longrightarrow 00:17:57.700$ or a clinic without a audio
- NOTE Confidence: 0.5655742
- 00:18:00.020 --> 00:18:00.900 Penina. What's that? What's
- NOTE Confidence: 0.5655742
- $00:18:00.900 \longrightarrow 00:18:02.220$ the strategy for you to teach?
- NOTE Confidence: 0.5655742
- 00:18:02.260 --> 00:18:04.668 Yeah. I would just say I I
- NOTE Confidence: 0.5655742
- 00:18:04.668 --> 00:18:07.930 feel like a four year old or a
- NOTE Confidence: 0.5655742

 $00:18:07.930 \longrightarrow 00:18:10.520$ three-year old or always say why.

NOTE Confidence: 0.5655742

00:18:10.520 --> 00:18:14.390 Yeah, you know, it's like not

NOTE Confidence: 0.5655742

00:18:14.390 --> 00:18:16.560 just regurgitation, but OK,

NOTE Confidence: 0.5655742

00:18:16.560 --> 00:18:19.200 Why, why did you say that?

NOTE Confidence: 0.5655742

 $00:18:19.200 \longrightarrow 00:18:21.500$ What were your thoughts?

NOTE Confidence: 0.5655742

 $00{:}18{:}21{.}500 \dashrightarrow 00{:}18{:}24{.}632$ Or else asking like the learner

NOTE Confidence: 0.5655742

 $00{:}18{:}24.632 \dashrightarrow 00{:}18{:}26.712$ just didn't explain their reasoning

NOTE Confidence: 0.5655742

 $00:18:26.712 \longrightarrow 00:18:28.600$ versus just giving an answer

NOTE Confidence: 0.28574646

 $00{:}18{:}29{.}200 \dashrightarrow 00{:}18{:}30{.}304$ that is a mazing.

NOTE Confidence: 0.28574646

 $00:18:30.304 \rightarrow 00:18:32.440$ And that's, are you going to be

NOTE Confidence: 0.28574646

 $00:18:32.440 \longrightarrow 00:18:34.920$ the first one that I say for Nina?

NOTE Confidence: 0.28574646

00:18:34.920 --> 00:18:37.730 So First off is just clarification, right?

NOTE Confidence: 0.28574646

 $00:18:37.730 \longrightarrow 00:18:40.600$ Like, what were you thinking behind that,

NOTE Confidence: 0.28574646

 $00:18:40.600 \rightarrow 00:18:42.760$ right, Like because we know from

NOTE Confidence: 0.28574646

00:18:42.760 --> 00:18:44.163 multiple choice questions, right,

NOTE Confidence: 0.28574646

 $00:18:44.163 \longrightarrow 00:18:45.778$ that like an answer doesn't

- NOTE Confidence: 0.28574646
- $00:18:45.778 \rightarrow 00:18:47.280$ necessarily show what's going on.
- NOTE Confidence: 0.28574646
- $00{:}18{:}47{.}280 \dashrightarrow 00{:}18{:}48{.}876$ So just asking them to clarify
- NOTE Confidence: 0.28574646
- 00:18:48.876 --> 00:18:50.031 in different ways, right?
- NOTE Confidence: 0.28574646
- $00:18:50.031 \rightarrow 00:18:52.137$ That could be like saying why
- NOTE Confidence: 0.28574646
- $00{:}18{:}52{.}137 \dashrightarrow 00{:}18{:}54{.}545$ watching them do an exam or watching
- NOTE Confidence: 0.28574646
- $00{:}18{:}54{.}545 \dashrightarrow 00{:}18{:}56{.}304$ them ask like those questions.
- NOTE Confidence: 0.28574646
- 00:18:56.304 --> 00:18:58.160 So getting primary information
- NOTE Confidence: 0.28574646
- 00:18:58.160 --> 00:19:00.480 arguably is the most important,
- NOTE Confidence: 0.28574646
- $00:19:00.480 \rightarrow 00:19:02.720$ though the most time consuming as well.
- NOTE Confidence: 0.28574646
- 00:19:02.720 --> 00:19:03.872 So you know,
- NOTE Confidence: 0.28574646
- $00:19:03.872 \longrightarrow 00:19:05.792$ important to note in certain
- NOTE Confidence: 0.28574646
- $00{:}19{:}05{.}792 \dashrightarrow 00{:}19{:}06{.}560$ situations scaffold.
- NOTE Confidence: 0.28574646
- $00{:}19{:}06{.}560 \dashrightarrow 00{:}19{:}09{.}408$ So this goes to what Carol was mentioning
- NOTE Confidence: 0.28574646
- $00{:}19{:}09{.}408 \dashrightarrow 00{:}19{:}12{.}536$ and also Urgeka to a degree as well, right?
- NOTE Confidence: 0.28574646
- 00:19:12.536 --> 00:19:14.200 So for frameworks, frameworks,
- NOTE Confidence: 0.28574646

00:19:14.200 - 00:19:15.838 frameworks is the name of the game.

NOTE Confidence: 0.28574646

00:19:15.840 --> 00:19:17.124 In teaching clinical reasoning,

NOTE Confidence: 0.28574646

 $00{:}19{:}17{.}124 \dashrightarrow 00{:}19{:}20{.}280$ we simply to go back to deliberate practice.

NOTE Confidence: 0.28574646

00:19:20.280 --> 00:19:24.080 We don't get like our 10,000 hours anymore

NOTE Confidence: 0.28574646

 $00:19:24.080 \longrightarrow 00:19:26.852$ in clinical practice to really have like

NOTE Confidence: 0.28574646

 $00{:}19{:}26.852 \dashrightarrow 00{:}19{:}29.239$ exemplars for every single situation.

NOTE Confidence: 0.28574646

 $00{:}19{:}29{.}240 \dashrightarrow 00{:}19{:}32{.}032$ So giving your learners ways to identify and

NOTE Confidence: 0.28574646

 $00:19:32.032 \rightarrow 00:19:34.640$ figure out what's going on in a patient,

NOTE Confidence: 0.28574646

 $00{:}19{:}34.640 \dashrightarrow 00{:}19{:}37.160$ even if they haven't seen it before,

NOTE Confidence: 0.28574646

 $00:19:37.160 \longrightarrow 00:19:38.312$ can be helpful.

NOTE Confidence: 0.28574646

 $00:19:38.312 \longrightarrow 00:19:40.616$ And so common ones are just

NOTE Confidence: 0.28574646

 $00:19:40.616 \rightarrow 00:19:42.838$ by organ system anatomy.

NOTE Confidence: 0.28574646

 $00:19:42.840 \rightarrow 00:19:47.496$ Some could be like processed like vascular,

NOTE Confidence: 0.28574646

00:19:47.496 --> 00:19:50.520 neoplastic, inflammatory,

NOTE Confidence: 0.28574646

 $00:19:50.520 \rightarrow 00:19:53.915$ or even something such as simple as

NOTE Confidence: 0.28574646

 $00:19:53.920 \rightarrow 00:19:55.915$ what's a must not misdiagnosis for this,

00:19:55.920 --> 00:19:57.396 what's common even like, you know,

NOTE Confidence: 0.28574646

 $00{:}19{:}57{.}400 \dashrightarrow 00{:}19{:}58{.}960$ remove like some like data.

NOTE Confidence: 0.28574646

 $00:19:58.960 \rightarrow 00:20:00.960$ Just thinking about this cheap

NOTE Confidence: 0.28574646

 $00{:}20{:}00{.}960 \dashrightarrow 00{:}20{:}03.080$ concern and don't narrow too soon.

NOTE Confidence: 0.28574646

00:20:03.080 --> 00:20:05.320 Frameworks is a way to really

NOTE Confidence: 0.28574646

 $00:20:05.320 \rightarrow 00:20:06.920$ teach clinical reasoning modeling.

NOTE Confidence: 0.28574646

 $00:20:06.920 \rightarrow 00:20:08.945$ So this is one way I wanted to say

NOTE Confidence: 0.28574646

 $00:20:08.945 \longrightarrow 00:20:10.880$ you're allowed to do this as faculty.

NOTE Confidence: 0.28574646

 $00:20:10.880 \longrightarrow 00:20:12.524$ This is literally the main feedback

NOTE Confidence: 0.28574646

 $00{:}20{:}12.524 \dashrightarrow 00{:}20{:}14.936$ that I got for my first two to three

NOTE Confidence: 0.28574646

 $00:20:14.936 \rightarrow 00:20:16.800$ years as an attending on my emails.

NOTE Confidence: 0.28574646

00:20:16.800 --> 00:20:17.560 Doctor W,

NOTE Confidence: 0.28574646

 $00:20:17.560 \longrightarrow 00:20:19.840$ It's nice that you say that

NOTE Confidence: 0.28574646

 $00:20:19.840 \longrightarrow 00:20:21.120$ that was a reasonable plan,

NOTE Confidence: 0.28574646

 $00:20:21.120 \longrightarrow 00:20:22.680$ but we'd really want to

 $00:20:22.680 \longrightarrow 00:20:24.240$ hear what your thinking is.

NOTE Confidence: 0.28574646

 $00:20:24.240 \longrightarrow 00:20:25.820$ And so clarifying why like

NOTE Confidence: 0.28574646

00:20:25.820 --> 00:20:28.080 you wanted to make a decision,

NOTE Confidence: 0.28574646

 $00:20:28.080 \longrightarrow 00:20:30.060$ what was it about this patient

NOTE Confidence: 0.28574646

 $00{:}20{:}30.060 \dashrightarrow 00{:}20{:}31.683$ or this intervention that made

NOTE Confidence: 0.28574646

 $00:20:31.683 \rightarrow 00:20:33.360$ you want to do it or not.

NOTE Confidence: 0.28574646

 $00:20:33.360 \longrightarrow 00:20:34.490$ And that can actually be

NOTE Confidence: 0.28574646

 $00:20:34.490 \rightarrow 00:20:35.394$ really quick as well,

NOTE Confidence: 0.28574646

 $00{:}20{:}35{.}400 \dashrightarrow 00{:}20{:}36{.}864$ because Panino has mentioned that I

NOTE Confidence: 0.28574646

 $00{:}20{:}36.864 \dashrightarrow 00{:}20{:}39.248$ I know a lot of y'all are in clinic

NOTE Confidence: 0.28574646

00:20:39.248 --> 00:20:40.598 and in the outpatient setting,

NOTE Confidence: 0.28574646

00:20:40.600 --> 00:20:42.364 you're like moving fast and might not

NOTE Confidence: 0.28574646

 $00:20:42.364 \rightarrow 00:20:44.440$ have as much flexibility for teaching.

NOTE Confidence: 0.28574646

 $00:20:44.440 \longrightarrow 00:20:48.160$ So even some quick modelling can be helpful.

NOTE Confidence: 0.28574646

 $00:20:48.160 \longrightarrow 00:20:50.464$ And then this is one that I after

NOTE Confidence: 0.28574646

 $00:20:50.464 \rightarrow 00:20:53.051$ doing a lot of these workshops with
- NOTE Confidence: 0.28574646
- 00:20:53.051 > 00:20:55.758 students that they asked me to put in,
- NOTE Confidence: 0.28574646
- $00{:}20{:}55{.}760 \dashrightarrow 00{:}20{:}58{.}875$ is helping them do some independent learning.
- NOTE Confidence: 0.28574646
- 00:20:58.880 00:21:00.100 Because you can imagine when
- NOTE Confidence: 0.28574646
- $00:21:00.100 \longrightarrow 00:21:01.320$ it comes to clinical reasoning,
- NOTE Confidence: 0.28574646
- $00:21:01.320 \longrightarrow 00:21:03.574$ there are so many different points of
- NOTE Confidence: 0.28574646
- $00{:}21{:}03.574 \dashrightarrow 00{:}21{:}06.120$ a case that learners can grow from,
- NOTE Confidence: 0.28574646
- $00:21:06.120 \rightarrow 00:21:08.717$ but that can be really overwhelming too.
- NOTE Confidence: 0.28574646
- 00:21:08.720 --> 00:21:11.760 So specifically saying, like, hey,
- NOTE Confidence: 0.28574646
- $00:21:11.760 \longrightarrow 00:21:13.475$ we saw a lot of patients today,
- NOTE Confidence: 0.28574646
- 00:21:13.480 --> 00:21:15.552 but could you look up cystic fibrosis
- NOTE Confidence: 0.28574646
- $00:21:15.552 \longrightarrow 00:21:17.588$ and make an illness script and
- NOTE Confidence: 0.28574646
- $00:21:17.588 \longrightarrow 00:21:19.374$ talk about it tomorrow, right.
- NOTE Confidence: 0.28574646
- 00:21:19.374 --> 00:21:21.712 Or could you look into the trilogy
- NOTE Confidence: 0.28574646
- $00{:}21{:}21{.}712 \dashrightarrow 00{:}21{:}24{.}463$ of flow and we can talk about
- NOTE Confidence: 0.28574646
- $00:21:24.463 \rightarrow 00:21:26.473$ different management options as well,
- NOTE Confidence: 0.42213848

00:21:26.480 --> 00:21:29.119 right. And and make it really more.

NOTE Confidence: 0.42213848

 $00{:}21{:}29{.}120 \dashrightarrow 00{:}21{:}31{.}101$ And sometimes what I'll even do is

NOTE Confidence: 0.42213848

 $00{:}21{:}31{.}101 \dashrightarrow 00{:}21{:}33{.}396$ like you have no more than 10 minutes

NOTE Confidence: 0.42213848

 $00{:}21{:}33{.}396 \dashrightarrow 00{:}21{:}35{.}392$ to look this up because that can

NOTE Confidence: 0.42213848

 $00{:}21{:}35{.}392 \dashrightarrow 00{:}21{:}37{.}533$ often give just a sense of relief with

NOTE Confidence: 0.42213848

 $00{:}21{:}37{.}533 \dashrightarrow 00{:}21{:}39{.}237$ all the things that they need to do.

NOTE Confidence: 0.42213848

 $00{:}21{:}39{.}240 \dashrightarrow 00{:}21{:}41{.}480$ So anyway, those are some broad categories

NOTE Confidence: 0.42213848

 $00:21:41.480 \rightarrow 00:21:44.437$ as you can imagine for each of those steps.

NOTE Confidence: 0.42213848

 $00{:}21{:}44{.}440 \dashrightarrow 00{:}21{:}46{.}320$ There are examples for this.

NOTE Confidence: 0.42213848

 $00:21:46.320 \longrightarrow 00:21:48.875$ If I had to give data collection

NOTE Confidence: 0.42213848

00:21:48.880 --> 00:21:51.764 the biggest things that I do when

NOTE Confidence: 0.42213848

00:21:51.764 --> 00:21:53.957 I'm teaching clinical reasoning in

NOTE Confidence: 0.42213848

 $00:21:53.957 \rightarrow 00:21:56.597$ the clinical setting on the words,

NOTE Confidence: 0.42213848

 $00{:}21{:}56.600 \dashrightarrow 00{:}21{:}57.200$ for me

NOTE Confidence: 0.2584031

 $00:21:59.560 \rightarrow 00:22:01.800$ it's tough. I don't get a chance to

NOTE Confidence: 0.2584031

 $00{:}22{:}01{.}800 \dashrightarrow 00{:}22{:}03{.}998$ like observe as much as I would want to.

- NOTE Confidence: 0.2584031
- 00:22:04.000 --> 00:22:05.620 I think that's particularly

 $00{:}22{:}05{.}620 \dashrightarrow 00{:}22{:}07{.}240$ important for more junilers.

NOTE Confidence: 0.2584031

00:22:07.240 --> 00:22:10.156 But when I go back bedside,

NOTE Confidence: 0.2584031

 $00:22:10.160 \longrightarrow 00:22:12.071$ I'll try my best to like model

NOTE Confidence: 0.2584031

 $00{:}22{:}12.071 \dashrightarrow 00{:}22{:}13.400$ some specific maneuvers for them,

NOTE Confidence: 0.2584031

 $00{:}22{:}13.400 \dashrightarrow 00{:}22{:}16.252$ spelled NEUVERS, missing any there.

NOTE Confidence: 0.2584031

00:22:16.252 --> 00:22:18.190 But also I might provide some

NOTE Confidence: 0.2584031

 $00{:}22{:}18{.}247 \dashrightarrow 00{:}22{:}19{.}720$ like additional resources.

NOTE Confidence: 0.2584031

 $00:22:19.720 \longrightarrow 00:22:20.800$ There are great ones.

NOTE Confidence: 0.2584031

 $00{:}22{:}20.800 \dashrightarrow 00{:}22{:}22.680$ The Stanford 25 is an excellent one.

NOTE Confidence: 0.2584031

 $00{:}22{:}22{.}680 \dashrightarrow 00{:}22{:}24{.}430$ Rational Clinical Examiner is another

NOTE Confidence: 0.2584031

 $00{:}22{:}24{.}430 \dashrightarrow 00{:}22{:}27{.}262$ one which also I think has a few really

NOTE Confidence: 0.2584031

 $00:22:27.262 \rightarrow 00:22:29.679$ nice PEDs files as well one on appendices.

NOTE Confidence: 0.2584031

 $00:22:29.680 \longrightarrow 00:22:31.440$ This particularly comes to

NOTE Confidence: 0.2584031

 $00{:}22{:}31.440 \dashrightarrow 00{:}22{:}34.598$ mind for teaching strategies.

 $00:22:34.600 \rightarrow 00:22:37.680$ I was around problem representation.

NOTE Confidence: 0.2584031

00:22:37.680 --> 00:22:41.278 So broad categories of like when you're,

NOTE Confidence: 0.2584031

 $00:22:41.280 \rightarrow 00:22:43.394$ when you're trying to help your learner NOTE Confidence: 0.2584031

 $00:22:43.394 \rightarrow 00:22:45.357$ distill what's going on with the patient,

NOTE Confidence: 0.2584031

 $00:22:45.360 \rightarrow 00:22:48.430$ just asking them who is the patient, again,

NOTE Confidence: 0.2584031

 $00{:}22{:}48{.}430 \dashrightarrow 00{:}22{:}50{.}880$ what matters most about who they are,

NOTE Confidence: 0.2584031

 $00:22:50.880 \longrightarrow 00:22:51.882$ their comorbidities,

NOTE Confidence: 0.2584031

 $00:22:51.882 \rightarrow 00:22:53.886$ their risk factors epidemiologically

NOTE Confidence: 0.2584031

 $00{:}22{:}53.886 \dashrightarrow 00{:}22{:}56.160$ and what is going on.

NOTE Confidence: 0.2584031

 $00:22:56.160 \rightarrow 00:22:58.160$ Focusing on that chief concern,

NOTE Confidence: 0.2584031

 $00{:}22{:}58{.}160 \dashrightarrow 00{:}23{:}00{.}764$ the time course and the two to

NOTE Confidence: 0.2584031

 $00{:}23{:}00{.}764 \dashrightarrow 00{:}23{:}03{.}586$ three symptoms that really help you

NOTE Confidence: 0.2584031

 $00{:}23{:}03.586 \dashrightarrow 00{:}23{:}05.754$ narrow your differential diagnosis.

NOTE Confidence: 0.2584031

00:23:05.760 --> 00:23:08.668 One thing I will say is it can be

NOTE Confidence: 0.2584031

00:23:08.668 --> 00:23:09.853 helpful to provide your learners

NOTE Confidence: 0.2584031

00:23:09.853 - > 00:23:11.525 a template particularly for the

- NOTE Confidence: 0.2584031
- $00:23:11.525 \rightarrow 00:23:13.245$ assessment just from being around

 $00:23:13.245 \rightarrow 00:23:14.933$ many different reports and having

NOTE Confidence: 0.2584031

 $00:23:14.933 \rightarrow 00:23:16.871$ so many learners having to present.

NOTE Confidence: 0.2584031

00:23:16.880 --> 00:23:17.384 To me,

NOTE Confidence: 0.2584031

 $00:23:17.384 \rightarrow 00:23:19.148$ I know it can be really overwhelming

NOTE Confidence: 0.2584031

 $00:23:19.148 \longrightarrow 00:23:20.557$ to give that one liner.

NOTE Confidence: 0.2584031

 $00:23:20.560 \rightarrow 00:23:22.520$ And so this is just a template that we use.

NOTE Confidence: 0.2584031

00:23:22.520 --> 00:23:24.800 It's very mediciney, internal mediciney.

NOTE Confidence: 0.2584031

 $00{:}23{:}24.800 \dashrightarrow 00{:}23{:}26.858$ But whatever your framework is that

NOTE Confidence: 0.2584031

 $00:23:26.858 \rightarrow 00:23:29.558$ you want to help your learners with,

NOTE Confidence: 0.2584031

 $00:23:29.560 \longrightarrow 00:23:31.168$ just tell them.

NOTE Confidence: 0.2584031

00:23:31.168 --> 00:23:34.582 For example, I remember Jeremy Mueller,

NOTE Confidence: 0.2584031

 $00:23:34.582 \longrightarrow 00:23:36.208$ who's like one of my favorite

NOTE Confidence: 0.2584031

 $00{:}23{:}36{.}208 \dashrightarrow 00{:}23{:}37{.}160$ educators here at Yale.

NOTE Confidence: 0.2584031

 $00{:}23{:}37{.}160 \dashrightarrow 00{:}23{:}38{.}760$ He he's really big on.

- $00:23:38.760 \longrightarrow 00:23:40.566$ Tell me exactly what the like
- NOTE Confidence: 0.2584031
- $00{:}23{:}40.566 \dashrightarrow 00{:}23{:}42.600$ presentation is first and then go after.
- NOTE Confidence: 0.2584031
- $00:23:42.600 \rightarrow 00:23:43.051$ Right.
- NOTE Confidence: 0.2584031
- 00:23:43.051 --> 00:23:43.953 So like,
- NOTE Confidence: 0.2584031
- $00:23:43.953 \longrightarrow 00:23:47.560$ this is like a cute,
- NOTE Confidence: 0.2584031
- $00{:}23{:}47.560 \dashrightarrow 00{:}23{:}50.248$ this is acute weakness in the
- NOTE Confidence: 0.2584031
- 00:23:50.248 --> 00:23:52.040 setting of like whatever,
- NOTE Confidence: 0.2584031
- $00:23:52.040 \rightarrow 00:23:55.197$ like symptoms and features are coming right.
- NOTE Confidence: 0.2584031
- $00{:}23{:}55{.}200 \dashrightarrow 00{:}23{:}56{.}608$ And that can be or this is like
- NOTE Confidence: 0.2584031
- 00:23:56.608 --> 00:23:57.520 a mono neuropathy,
- NOTE Confidence: 0.2584031
- $00{:}23{:}57{.}520 \dashrightarrow 00{:}23{:}58{.}920$ polyneuropathy And having that be
- NOTE Confidence: 0.2584031
- $00:23:58.920 \longrightarrow 00:24:00.920$ the lead and then going from there,
- NOTE Confidence: 0.2584031
- $00:24:00.920 \longrightarrow 00:24:02.930$ just tell your learner so that
- NOTE Confidence: 0.2584031
- $00:24:02.930 \longrightarrow 00:24:04.985$ they Canmore plug and chug their
- NOTE Confidence: 0.2584031
- $00{:}24{:}04{.}985 \dashrightarrow 00{:}24{:}07{.}295$ information as opposed to having that
- NOTE Confidence: 0.2584031
- 00:24:07.295 --> 00:24:09.719 like germane load of figuring it out,

- NOTE Confidence: 0.2584031
- $00:24:09.720 \longrightarrow 00:24:10.352$ prioritizing differential,

00:24:10.352 --> 00:24:12.880 y'all are all pros at all of these,

NOTE Confidence: 0.2584031

 $00:24:12.880 \longrightarrow 00:24:14.480$ frankly, but definitely for differential.

NOTE Confidence: 0.2584031

 $00:24:14.480 \longrightarrow 00:24:15.800$ But just so I can tell you this

NOTE Confidence: 0.2584031

 $00{:}24{:}15{.}800 \dashrightarrow 00{:}24{:}17{.}277$ is what I do with these workshops,

NOTE Confidence: 0.2584031

 $00:24:17.280 \longrightarrow 00:24:18.105$ to be honest,

NOTE Confidence: 0.2584031

00:24:18.105 --> 00:24:20.030 I just like tell the like teachers

NOTE Confidence: 0.2584031

 $00:24:20.089 \rightarrow 00:24:22.183$ what they're doing and they're like

NOTE Confidence: 0.2584031

 $00:24:22.183 \rightarrow 00:24:23.936$ what's what tools they're already

NOTE Confidence: 0.2584031

 $00:24:23.936 \longrightarrow 00:24:25.987$ using in their toolbox so they can

NOTE Confidence: 0.2584031

 $00:24:25.987 \rightarrow 00:24:28.680$ use them in the future more confidently.

NOTE Confidence: 0.2584031

 $00{:}24{:}28.680 \dashrightarrow 00{:}24{:}30.159$ But the scaffolds,

NOTE Confidence: 0.2584031

 $00:24:30.159 \rightarrow 00:24:33.117$ like we mentioned from Carol earlier,

NOTE Confidence: 0.2584031

 $00:24:33.120 \longrightarrow 00:24:34.890$ pneumonic schemas can be really

NOTE Confidence: 0.2584031

 $00:24:34.890 \longrightarrow 00:24:37.164$ good for increasing just the number

- $00:24:37.164 \rightarrow 00:24:39.119$ of diagnosis that are considering.
- NOTE Confidence: 0.2584031
- $00:24:39.120 \longrightarrow 00:24:41.521$ The biggest one I use when I'm
- NOTE Confidence: 0.2584031
- $00:24:41.521 \longrightarrow 00:24:43.879$ on the boards is pivot points.
- NOTE Confidence: 0.2584031
- $00{:}24{:}43.880 \dashrightarrow 00{:}24{:}46.528$ So pivot points means what a part of
- NOTE Confidence: 0.2584031
- $00:24:46.528 \rightarrow 00:24:49.916$ the case really LED you one way or the other.
- NOTE Confidence: 0.2584031
- $00{:}24{:}49{.}920 \dashrightarrow 00{:}24{:}52{.}080$ That's what can be really best
- NOTE Confidence: 0.2584031
- $00:24:52.080 \longrightarrow 00:24:54.027$ modelled and that can really
- NOTE Confidence: 0.2584031
- $00{:}24{:}54{.}027 \dashrightarrow 00{:}24{:}56{.}607$ help you discern how fleshed out
- NOTE Confidence: 0.2584031
- $00{:}24{:}56.607 \dashrightarrow 00{:}24{:}57.897$ your learner's illness
- NOTE Confidence: 0.3937301
- $00{:}24{:}57{.}968 \dashrightarrow 00{:}25{:}00{.}380$ scripts are. And for independent learning.
- NOTE Confidence: 0.3937301
- $00{:}25{:}00{.}380 \dashrightarrow 00{:}25{:}03{.}678$ There are a bunch of resources here as well.
- NOTE Confidence: 0.3937301
- $00:25:03.680 \longrightarrow 00:25:05.591$ For example, one that I feel like
- NOTE Confidence: 0.3937301
- $00{:}25{:}05{.}591 \dashrightarrow 00{:}25{:}07{.}415$ there's a Pediatrics podcast I heard
- NOTE Confidence: 0.3937301
- $00:25:07.415 \rightarrow 00:25:08.995$ about recently that's really good.
- NOTE Confidence: 0.3937301
- 00:25:09.000 --> 00:25:11.624 I think it's called the Crib Ciders as well,
- NOTE Confidence: 0.3937301
- $00:25:11.624 \rightarrow 00:25:14.477$ but a lot of fun resources to help your

- NOTE Confidence: 0.3937301
- $00:25:14.477 \rightarrow 00:25:17.866$ learners learn really easily. All right.

 $00{:}25{:}17.866$ --> $00{:}25{:}19.598$ Teaching strategies for management.

NOTE Confidence: 0.3937301

00:25:19.600 - 00:25:21.568 Again, this is my area where

NOTE Confidence: 0.3937301

00:25:21.568 --> 00:25:23.160 I get really jazzed up.

NOTE Confidence: 0.3937301

 $00{:}25{:}23.160 \dashrightarrow 00{:}25{:}26.254$ But the teaching strategies that I think

NOTE Confidence: 0.3937301

 $00{:}25{:}26{.}254 \dashrightarrow 00{:}25{:}29{.}339$ of most when it comes to management

NOTE Confidence: 0.3937301

 $00{:}25{:}29{.}339 \dashrightarrow 00{:}25{:}31{.}532$ is providing a management script,

NOTE Confidence: 0.3937301

 $00{:}25{:}31{.}532 \dashrightarrow 00{:}25{:}33{.}747$ even if it's suggesting what

NOTE Confidence: 0.3937301

 $00:25:33.747 \longrightarrow 00:25:36.120$ general categories you can think of.

NOTE Confidence: 0.3937301

00:25:36.120 --> 00:25:38.600 So for example, like today,

NOTE Confidence: 0.3937301

 $00{:}25{:}38.600 \dashrightarrow 00{:}25{:}40.008$ this morning I was rounding with my res

NOTE Confidence: 0.3937301

 $00{:}25{:}40.008 \dashrightarrow 00{:}25{:}41.596$ and we were really stuck on a patient.

NOTE Confidence: 0.3937301

00:25:41.600 -> 00:25:42.236 So I was like, all right,

NOTE Confidence: 0.3937301

 $00{:}25{:}42{.}240 \dashrightarrow 00{:}25{:}44{.}118$ like what else can we do?

NOTE Confidence: 0.3937301

 $00{:}25{:}44{.}120 \dashrightarrow 00{:}25{:}46{.}479$ Can you think of any labs imagings,

 $00:25:46.480 \longrightarrow 00:25:47.468$ do we need help,

NOTE Confidence: 0.3937301

 $00{:}25{:}47{.}468 \dashrightarrow 00{:}25{:}49{.}800$ do we need to call some body or monitoring?

NOTE Confidence: 0.3937301

 $00{:}25{:}49{.}800 \dashrightarrow 00{:}25{:}52{.}568$ Is there any way we can follow up

NOTE Confidence: 0.3937301

 $00:25:52.568 \rightarrow 00:25:54.145$ information And just that helped us

NOTE Confidence: 0.3937301

 $00{:}25{:}54{.}145 \dashrightarrow 00{:}25{:}55{.}971$ figure out what a few other interventions

NOTE Confidence: 0.3937301

00:25:55.971 -> 00:25:58.480 that we might want it to do as well.

NOTE Confidence: 0.3937301

 $00{:}25{:}58{.}480 \dashrightarrow 00{:}26{:}01{.}476$ I found that's particularly helpful with more

NOTE Confidence: 0.3937301

 $00:26:01.480 \rightarrow 00:26:05.904$ with learners on the more like student range.

NOTE Confidence: 0.3937301

 $00{:}26{:}05{.}904 \dashrightarrow 00{:}26{:}08{.}520$ But even early fellows can certainly

NOTE Confidence: 0.3937301

 $00{:}26{:}08.598 \dashrightarrow 00{:}26{:}11.387$ find help with that specific tier field,

NOTE Confidence: 0.3937301

 $00{:}26{:}11.387 \dashrightarrow 00{:}26{:}12.668$ the threshold factors.

NOTE Confidence: 0.3937301

 $00{:}26{:}12.668 \dashrightarrow 00{:}26{:}15.667$ This is when things get really nuanced

NOTE Confidence: 0.3937301

 $00{:}26{:}15.667 \dashrightarrow 00{:}26{:}18.515$ about why or why not to do something.

NOTE Confidence: 0.3937301

 $00:26:18.520 \longrightarrow 00:26:19.850$ I'll really work through my

NOTE Confidence: 0.3937301

00:26:19.850 --> 00:26:20.914 learners to say like,

NOTE Confidence: 0.3937301

 $00:26:20.920 \longrightarrow 00:26:22.636$ what is it about this case,

- NOTE Confidence: 0.3937301
- $00:26:22.640 \rightarrow 00:26:23.900$ especially when it's tough.

 $00:26:23.900 \rightarrow 00:26:25.475$ When there is that indecisiveness,

NOTE Confidence: 0.3937301

 $00:26:25.480 \longrightarrow 00:26:27.478$ what is it that matters most?

NOTE Confidence: 0.3937301

 $00:26:27.480 \longrightarrow 00:26:28.957$ Is it how sick this patient is

NOTE Confidence: 0.3937301

 $00{:}26{:}28{.}957 \dashrightarrow 00{:}26{:}30{.}256$ that's going to determine whether

NOTE Confidence: 0.3937301

 $00:26:30.256 \longrightarrow 00:26:31.796$ or not we choose antibiotics?

NOTE Confidence: 0.3937301

 $00:26:31.800 \longrightarrow 00:26:33.432$ Is it just this patient's goals

NOTE Confidence: 0.3937301

 $00{:}26{:}33{.}432 \dashrightarrow 00{:}26{:}35{.}548$ of care when we decide whether or

NOTE Confidence: 0.3937301

 $00:26:35.548 \longrightarrow 00:26:37.480$ not we want to use chemotherapy,

NOTE Confidence: 0.3937301

 $00:26:37.480 \longrightarrow 00:26:40.294$ really figuring out what is it

NOTE Confidence: 0.3937301

 $00:26:40.294 \longrightarrow 00:26:43.123$ that makes us decide one way

NOTE Confidence: 0.3937301

 $00{:}26{:}43.123 \dashrightarrow 00{:}26{:}45.679$ or the other about a patient.

NOTE Confidence: 0.3937301

 $00:26:45.680 \longrightarrow 00:26:46.765$ Another thing I'll say because

NOTE Confidence: 0.3937301

00:26:46.765 --> 00:26:48.390 I see a lot of specialists on

NOTE Confidence: 0.3937301

 $00:26:48.390 \longrightarrow 00:26:50.095$ the call that can be helpful,

 $00:26:50.095 \rightarrow 00:26:52.075$ particularly especially with learners

NOTE Confidence: 0.3937301

 $00{:}26{:}52.075 \dashrightarrow 00{:}26{:}55.062$ who might not necessarily be on

NOTE Confidence: 0.3937301

00:26:55.062 --> 00:26:56.653 that rotation initially, right?

NOTE Confidence: 0.3937301

 $00:26:56.653 \rightarrow 00:26:58.677$ Like you have a general resident on like

NOTE Confidence: 0.3937301

00:26:58.677 --> 00:27:00.834 palm consults like Penina or like you know,

NOTE Confidence: 0.3937301

 $00{:}27{:}00{.}840 \dashrightarrow 00{:}27{:}03{.}675$ a student on cards consults with Ruchika.

NOTE Confidence: 0.3937301

00:27:03.680 --> 00:27:06.520 I think just saying, hey,

NOTE Confidence: 0.3937301

 $00:27:06.520 \longrightarrow 00:27:08.560$ before you start this rotation,

NOTE Confidence: 0.3937301

 $00{:}27{:}08.560 \dashrightarrow 00{:}27{:}11.020$ you really need to get down

NOTE Confidence: 0.3937301

 $00:27:11.020 \longrightarrow 00:27:14.120$ at like like acute cough,

NOTE Confidence: 0.3937301

00:27:14.120 --> 00:27:14.880 right?

NOTE Confidence: 0.3937301

00:27:14.880 --> 00:27:18.280 Or you know narrow complex tachycardia

NOTE Confidence: 0.3937301

 $00:27:18.280 \longrightarrow 00:27:21.350$ come up with different things to

NOTE Confidence: 0.3937301

 $00:27:21.350 \longrightarrow 00:27:23.746$ consider at least in a plan before

NOTE Confidence: 0.3937301

 $00{:}27{:}23.746 \dashrightarrow 00{:}27{:}25.276$ you even start the rotation.

NOTE Confidence: 0.3937301

 $00:27:25.280 \longrightarrow 00:27:26.736$ I still do that to some degrees

- NOTE Confidence: 0.3937301
- $00:27:26.736 \longrightarrow 00:27:28.164$ before I'm on my rapid response

00:27:28.164 --> 00:27:29.914 senior before I enter the step down,

NOTE Confidence: 0.3937301

 $00{:}27{:}29{.}920 \dashrightarrow 00{:}27{:}30{.}973$ I'm like alright,

NOTE Confidence: 0.3937301

 $00:27:30.973 \rightarrow 00:27:34.505$ like what do I do in acute like hypoxemic

NOTE Confidence: 0.3937301

00:27:34.505 --> 00:27:36.880 respiratory failure or in hypernatremia.

NOTE Confidence: 0.3937301

 $00{:}27{:}36.880 \dashrightarrow 00{:}27{:}39.024$ When the Ed calls me I'll like give

NOTE Confidence: 0.3937301

 $00:27:39.024 \rightarrow 00:27:41.238$ them like some suggestions initially,

NOTE Confidence: 0.3937301

 $00:27:41.240 \rightarrow 00:27:43.160$ so giving an initial like framework.

NOTE Confidence: 0.3937301

 $00{:}27{:}43.160 \dashrightarrow 00{:}27{:}46.000$ So again it makes it more multiple choice.

NOTE Confidence: 0.3937301

00:27:46.000 --> 00:27:47.560 All right.

NOTE Confidence: 0.3937301

00:27:47.560 --> 00:27:48.960 And I have a few more cases,

NOTE Confidence: 0.3937301

 $00{:}27{:}48.960 \dashrightarrow 00{:}27{:}49.860$ I've talked a bunch.

NOTE Confidence: 0.3937301

00:27:49.860 --> 00:27:51.656 I'm starting to get winded so I'm going

NOTE Confidence: 0.3937301

 $00{:}27{:}51.656 \dashrightarrow 00{:}27{:}53.240$ to need your help as we go through

NOTE Confidence: 0.8106238

 $00{:}27{:}53{.}289 \dashrightarrow 00{:}27{:}54{.}904$ these as well. I've tried two times,

 $00{:}27{:}54{.}904 \dashrightarrow 00{:}27{:}57{.}009$ but I I think we're warmed up now

NOTE Confidence: 0.8106238

 $00{:}27{:}57{.}009 \dashrightarrow 00{:}27{:}58{.}439$ to have some more participation.

NOTE Confidence: 0.8106238

00:27:58.440 --> 00:28:00.344 All right, case one, so remember we

NOTE Confidence: 0.8106238

 $00:28:00.344 \longrightarrow 00:28:02.439$ have our four steps data collection,

NOTE Confidence: 0.8106238

 $00:28:02.440 \longrightarrow 00:28:04.080$ problem representation,

NOTE Confidence: 0.8106238

 $00{:}28{:}04.080 \dashrightarrow 00{:}28{:}07.360$ differential diagnosis and management.

NOTE Confidence: 0.8106238

 $00{:}28{:}07{.}360 \dashrightarrow 00{:}28{:}08{.}848$ I'm actually end up with a

NOTE Confidence: 0.8106238

 $00:28:08.848 \longrightarrow 00:28:09.840$ couple abdominal pain cases.

NOTE Confidence: 0.8106238

 $00{:}28{:}09{.}840 \dashrightarrow 00{:}28{:}11{.}344$ These are from clinic.

NOTE Confidence: 0.8106238

 $00{:}28{:}11{.}344 \dashrightarrow 00{:}28{:}14{.}879$ But I want you all to read over this case.

NOTE Confidence: 0.8106238

 $00{:}28{:}14.880 \dashrightarrow 00{:}28{:}17.700$ I'll read it as well because I know some of NOTE Confidence: 0.8106238

 $00{:}28{:}17.766$ --> $00{:}28{:}20.516$ you all are on your phone and in the chat. NOTE Confidence: 0.8106238

 $00{:}28{:}20{.}520 \dashrightarrow 00{:}28{:}24{.}290$ I want you to tell me which one of those

NOTE Confidence: 0.8106238

 $00{:}28{:}24{.}386 \dashrightarrow 00{:}28{:}27{.}016$ four steps Data problem representation,

NOTE Confidence: 0.8106238

 $00{:}28{:}27.016$ --> $00{:}28{:}28.840$ Differential and management.

NOTE Confidence: 0.8106238

 $00:28:28.840 \rightarrow 00:28:31.017$ Where you think this learner is struggling

- NOTE Confidence: 0.8106238
- $00:28:31.017 \rightarrow 00:28:33.043$ most or where you would consider

 $00{:}28{:}33.043 \dashrightarrow 00{:}28{:}35.113$ doing some teaching for this learner.

NOTE Confidence: 0.8106238

00:28:35.120 --> 00:28:36.320 All right,

NOTE Confidence: 0.8106238

 $00:28:36.320 \rightarrow 00:28:38.720$ deep breath getting my pretending

NOTE Confidence: 0.8106238

00:28:38.720 --> 00:28:41.520 I'm a resident or student right now.

NOTE Confidence: 0.8106238

00:28:41.520 --> 00:28:42.002 All right,

NOTE Confidence: 0.8106238

 $00:28:42.002 \longrightarrow 00:28:43.930$ we have a 17 year old girl who

NOTE Confidence: 0.8106238

 $00{:}28{:}43{.}991 \dashrightarrow 00{:}28{:}46{.}378$ reports A few days ago she started

NOTE Confidence: 0.8106238

 $00:28:46.378 \rightarrow 00:28:47.825$ experiencing sharp pain localized

NOTE Confidence: 0.8106238

 $00:28:47.825 \longrightarrow 00:28:49.635$ to her left lower quadrant.

NOTE Confidence: 0.8106238

 $00{:}28{:}49{.}640 \dashrightarrow 00{:}28{:}51{.}360$ The pain rates as intermittent

NOTE Confidence: 0.8106238

 $00{:}28{:}51{.}360 \dashrightarrow 00{:}28{:}53{.}080$ lasts for a few minutes.

NOTE Confidence: 0.8106238

 $00:28:53.080 \longrightarrow 00:28:54.544$ She's had associated nausea,

NOTE Confidence: 0.8106238

 $00{:}28{:}54{.}544{\:}-{\!\!\!\!>}00{:}28{:}57{.}240$ but decide denies any fever or chills.

NOTE Confidence: 0.8106238

 $00:28:57.240 \longrightarrow 00:28:59.210$ She doesn't have any past

 $00:28:59.210 \longrightarrow 00:29:00.766$ medical history of note.

NOTE Confidence: 0.8106238

 $00{:}29{:}00.766 \dashrightarrow 00{:}29{:}03.447$ She's a junior in high school and

NOTE Confidence: 0.8106238

 $00{:}29{:}03{.}447 \dashrightarrow 00{:}29{:}05{.}997$ she denies any substance use.

NOTE Confidence: 0.8106238

00:29:06.000 --> 00:29:08.000 Her vital signs were notable

NOTE Confidence: 0.8106238

 $00:29:08.000 \rightarrow 00:29:10.199$ for blood pressure 116 / 82,

NOTE Confidence: 0.8106238

00:29:10.199 --> 00:29:13.480 heart rate 80, respiratory rate 18,

NOTE Confidence: 0.8106238

 $00:29:13.480 \longrightarrow 00:29:16.340$ oxygen saturation 99% on room air.

NOTE Confidence: 0.8106238

 $00{:}29{:}16.340 \dashrightarrow 00{:}29{:}19.015$ When I saw her, she was uncomfortable.

NOTE Confidence: 0.8106238

00:29:19.015 --> 00:29:22.111 Heart rate was regular, lungs were clear.

NOTE Confidence: 0.8106238

 $00{:}29{:}22{.}111 \dashrightarrow 00{:}29{:}23{.}859$ There is moderate tenderness

NOTE Confidence: 0.8106238

 $00:29:23.859 \longrightarrow 00:29:26.360$ in that left lower quadrant,

NOTE Confidence: 0.8106238

00:29:26.360 --> 00:29:29.284 but no guarding rigidity,

NOTE Confidence: 0.8106238

 $00{:}29{:}29{.}284 \dashrightarrow 00{:}29{:}32{.}492$ no CVA tenderness and otherwise.

NOTE Confidence: 0.8106238

 $00:29:32.492 \longrightarrow 00:29:34.516$ Her exam was unremarkable.

NOTE Confidence: 0.8106238

 $00:29:34.520 \longrightarrow 00:29:36.529$ So I'd say this is a previously

NOTE Confidence: 0.8106238

00:29:36.529 --> 00:29:38.972 healthy 17 year old girl who presents

- NOTE Confidence: 0.8106238
- $00:29:38.972 \longrightarrow 00:29:40.867$ with acute left lower quadrant

 $00{:}29{:}40.867 \dashrightarrow 00{:}29{:}42.801$ abdominal pain associated with nausea

NOTE Confidence: 0.8106238

 $00{:}29{:}42.801 \dashrightarrow 00{:}29{:}45.039$ found to be in moderate distress.

NOTE Confidence: 0.8106238

 $00:29:45.040 \rightarrow 00:29:47.704$ Most likely this is caused by a UT I

NOTE Confidence: 0.8106238

00:29:47.704 --> 00:29:50.828 I looked at urinalysis, urine culture,

NOTE Confidence: 0.8106238

00:29:50.828 --> 00:29:53.598 CBC, and maybe start keflex.

NOTE Confidence: 0.8106238

00:29:53.600 --> 00:29:56.036 We could consider an ultrasound or CT,

NOTE Confidence: 0.8106238

 $00:29:56.040 \rightarrow 00:29:59.638$ abdomen and pelvis if the symptoms persist,

NOTE Confidence: 0.8106238

 $00:29:59.640 \longrightarrow 00:30:00.996$ so bear with me.

NOTE Confidence: 0.8106238

00:30:00.996 --> 00:30:03.030 I'm just a humble internist trying

NOTE Confidence: 0.8106238

 $00{:}30{:}03{.}098 \dashrightarrow 00{:}30{:}05{.}158$ to design cases for Pediatrics,

NOTE Confidence: 0.8106238

 $00:30:05.160 \longrightarrow 00:30:07.986$ but if you got this presentation

NOTE Confidence: 0.8106238

00:30:07.986 --> 00:30:10.800 in clinic regardless of specialty,

NOTE Confidence: 0.8106238

 $00{:}30{:}10.800 \dashrightarrow 00{:}30{:}13.356$ where do you think this learner

NOTE Confidence: 0.8106238

 $00:30:13.356 \rightarrow 00:30:14.634$ is struggling most?

 $00{:}30{:}14.640 \dashrightarrow 00{:}30{:}16.674$ Again, feel free to throw it in the chat.

NOTE Confidence: 0.8106238

00:30:16.680 --> 00:30:17.920 Or I mean yourself.

NOTE Confidence: 0.51862043

00:30:23.100 --> 00:30:24.913 Also, So poor Panina doesn't have to

NOTE Confidence: 0.51862043

00:30:24.913 --> 00:30:26.778 keep answering all of the questions right

NOTE Confidence: 0.51862043

00:30:26.780 --> 00:30:28.020 now. Although fantastic educator

NOTE Confidence: 0.51862043

 $00:30:28.020 \longrightarrow 00:30:30.420$ and we would love to hear from her.

NOTE Confidence: 0.51862043

00:30:30.420 --> 00:30:32.338 Well, I'm bound to be really wrong,

NOTE Confidence: 0.51862043

 $00{:}30{:}32{.}340 \dashrightarrow 00{:}30{:}33{.}618$ so I don't want to embarrass

NOTE Confidence: 0.51862043

 $00{:}30{:}33{.}740 \dashrightarrow 00{:}30{:}35{.}660$ myself. Too bad.

NOTE Confidence: 0.51862043

00:30:35.660 --> 00:30:36.790 Please. That's right.

NOTE Confidence: 0.51862043

 $00:30:36.790 \dashrightarrow 00:30:38.015$ Participation will be can help.

NOTE Confidence: 0.51862043

 $00:30:38.020 \longrightarrow 00:30:39.319$ Panina. That's right.

NOTE Confidence: 0.51862043

 $00{:}30{:}39{.}319 \dashrightarrow 00{:}30{:}42{.}300$ And me too. I be at it.

NOTE Confidence: 0.51862043

 $00:30:42.300 \longrightarrow 00:30:43.180$ Where is this learner

NOTE Confidence: 0.51862043

 $00:30:43.180 \longrightarrow 00:30:44.059$ struggling the most?

NOTE Confidence: 0.51862043

00:30:46.140 --> 00:30:47.340 Can you go back? One slide?

- NOTE Confidence: 0.51862043
- $00:30:47.340 \longrightarrow 00:30:49.180$ Just just a reminder of the
- NOTE Confidence: 0.51862043
- 00:30:49.180 --> 00:30:50.300 four categories. Of course,
- NOTE Confidence: 0.51862043
- $00{:}30{:}50{.}300 \dashrightarrow 00{:}30{:}52{.}100$ Of course. There you go.
- NOTE Confidence: 0.3744299
- $00{:}30{:}53{.}400 \dashrightarrow 00{:}30{:}55{.}960$ Thank you. All right.
- NOTE Confidence: 0.3744299
- $00:30:55.960 \longrightarrow 00:30:58.720$ Carol puts in differential diagnosis.
- NOTE Confidence: 0.3744299
- $00:30:58.720 \longrightarrow 00:31:02.120$ Catherine puts in data collection.
- NOTE Confidence: 0.3744299
- 00:31:02.120 --> 00:31:04.000 And for what it's worth,
- NOTE Confidence: 0.3744299
- $00:31:04.000 \longrightarrow 00:31:05.848$ all of you know there are
- NOTE Confidence: 0.3744299
- $00:31:05.848 \longrightarrow 00:31:07.080$ so many different options.
- NOTE Confidence: 0.3744299
- 00:31:07.080 --> 00:31:08.522 You could pick any four of these
- NOTE Confidence: 0.3744299
- $00{:}31{:}08{.}522 \dashrightarrow 00{:}31{:}10{.}160$ steps and your learner would be like,
- NOTE Confidence: 0.3744299
- $00:31:10.160 \longrightarrow 00:31:12.520$ wow, that's an amazing teacher.
- NOTE Confidence: 0.3744299
- 00:31:12.520 --> 00:31:14.655 But if you want to get your
- NOTE Confidence: 0.3744299
- 00:31:14.655 --> 00:31:16.400 most bang for your buck,
- NOTE Confidence: 0.3744299
- 00:31:16.400 --> 00:31:18.836 I would agree with the chat,
- NOTE Confidence: 0.3744299

 $00{:}31{:}18.840 \dashrightarrow 00{:}31{:}21.300$ Catherine, Carol and Rushka about and

NOTE Confidence: 0.3744299

 $00{:}31{:}21{.}300 \dashrightarrow 00{:}31{:}24{.}448$ Ada about both data collection and

NOTE Confidence: 0.3744299

 $00{:}31{:}24.448 \dashrightarrow 00{:}31{:}27.358$ differential diagnosis for this case.

NOTE Confidence: 0.3744299

 $00:31:27.360 \longrightarrow 00:31:29.358$ So going back to this case,

NOTE Confidence: 0.3744299

 $00:31:29.360 \longrightarrow 00:31:30.662$ so data collection,

NOTE Confidence: 0.3744299

 $00:31:30.662 \dashrightarrow 00:31:32.398$ incomplete history and physical,

NOTE Confidence: 0.3744299

 $00{:}31{:}32{.}400 \dashrightarrow 00{:}31{:}33{.}128$ and there's some strategies

NOTE Confidence: 0.3744299

 $00:31:33.128 \longrightarrow 00:31:34.360$ that we could do to teach it.

NOTE Confidence: 0.3744299

 $00{:}31{:}34{.}360 \dashrightarrow 00{:}31{:}36{.}256$ But again, so this patient is

NOTE Confidence: 0.3744299

 $00:31:36.256 \rightarrow 00:31:37.880$ coming in with abdominal pain,

NOTE Confidence: 0.3744299

 $00:31:37.880 \longrightarrow 00:31:40.066$ why differential?

NOTE Confidence: 0.3744299

 $00:31:40.066 \rightarrow 00:31:42.460$ But you know they they

NOTE Confidence: 0.3744299

 $00{:}31{:}42{.}460 \dashrightarrow 00{:}31{:}43{.}760$ don't mention much about.

NOTE Confidence: 0.3744299

 $00:31:43.760 \longrightarrow 00:31:44.532$ For example,

NOTE Confidence: 0.3744299

 $00{:}31{:}44{.}532 \dashrightarrow 00{:}31{:}46{.}343$ if this is a UTI,

NOTE Confidence: 0.3744299

00:31:46.343 --> 00:31:48.184 you didn't tell us you you told

- NOTE Confidence: 0.3744299
- $00:31:48.184 \longrightarrow 00:31:50.335$ us that there are any fevers and

 $00:31:50.335 \longrightarrow 00:31:52.372$ chills when she's on history.

NOTE Confidence: 0.3744299

00:31:52.372 --> 00:31:54.817 But any dysuria hematuria, right?

NOTE Confidence: 0.3744299

 $00:31:54.817 \rightarrow 00:31:56.873$ That'd be nice to know in the physical

NOTE Confidence: 0.3744299

 $00{:}31{:}56.873 \dashrightarrow 00{:}31{:}58.840$ exam missing just like a temperature,

NOTE Confidence: 0.3744299

 $00:31:58.840 \longrightarrow 00:31:59.796$ that might be helpful.

NOTE Confidence: 0.3744299

00:31:59.796 --> 00:32:01.230 I'm glad you did a you

NOTE Confidence: 0.3744299

00:32:01.285 --> 00:32:02.717 checked for CPA tenderness.

NOTE Confidence: 0.3744299

00:32:02.720 --> 00:32:04.395 But just information that would

NOTE Confidence: 0.3744299

 $00{:}32{:}04{.}395 \dashrightarrow 00{:}32{:}06{.}070$ be associated with that specific

NOTE Confidence: 0.3744299

00:32:06.122 --> 00:32:07.638 diagnosis and abdominal pain.

NOTE Confidence: 0.3744299

00:32:07.640 --> 00:32:09.288 There's like, you know,

NOTE Confidence: 0.3744299

00:32:09.288 --> 00:32:12.077 plenty of must not miss diagnosis as

NOTE Confidence: 0.3744299

 $00{:}32{:}12.077 \dashrightarrow 00{:}32{:}14.573$ well to be including in there too, right?

NOTE Confidence: 0.3744299

00:32:14.573 --> 00:32:17.296 Some that are more like GI pathology,

- $00:32:17.296 \rightarrow 00:32:19.436$ some that are even gynecological.
- NOTE Confidence: 0.3744299
- $00:32:19.440 \longrightarrow 00:32:21.039$ Speaking of history,
- NOTE Confidence: 0.3744299
- $00:32:21.039 \rightarrow 00:32:23.732$ getting more about what is her like
- NOTE Confidence: 0.3744299
- $00:32:23.732 \longrightarrow 00:32:26.000$ sexual history as well would be important.
- NOTE Confidence: 0.3744299
- 00:32:26.000 --> 00:32:27.960 So for those different steps.
- NOTE Confidence: 0.3744299
- $00:32:27.960 \longrightarrow 00:32:29.319$ So First off,
- NOTE Confidence: 0.3744299
- $00:32:29.319 \longrightarrow 00:32:30.678$ for data collection,
- NOTE Confidence: 0.3744299
- $00:32:30.680 \dashrightarrow 00:32:32.004$ some teaching strategies that
- NOTE Confidence: 0.3744299
- $00{:}32{:}32{.}004 \dashrightarrow 00{:}32{:}32{.}997$ might be helpful.
- NOTE Confidence: 0.3744299
- $00:32:33.000 \longrightarrow 00:32:35.835$ Kind of reinforcing what we talked about
- NOTE Confidence: 0.3744299
- $00:32:35.835 \longrightarrow 00:32:38.020$ before observing their physical exam.
- NOTE Confidence: 0.3744299
- 00:32:38.020 --> 00:32:41.040 Probably not as important in this one,
- NOTE Confidence: 0.3744299
- $00:32:41.040 \rightarrow 00:32:43.080$ but maybe doing like a hypothesis
- NOTE Confidence: 0.3744299
- $00:32:43.080 \longrightarrow 00:32:43.760$ driven interview.
- NOTE Confidence: 0.3744299
- 00:32:43.760 --> 00:32:46.916 Sometimes I'll literally stop my my,
- NOTE Confidence: 0.3744299
- $00:32:46.920 \rightarrow 00:32:48.088$ my modeling of interview.

- NOTE Confidence: 0.3744299
- 00:32:48.088 --> 00:32:50.879 Be like now I'm gonna ask my UTI questions,

00:32:50.880 --> 00:32:53.008 now I'm gonna ask my ovarian torsion

NOTE Confidence: 0.3744299

 $00:32:53.008 \rightarrow 00:32:55.274$ questions and it doesn't have to be

NOTE Confidence: 0.3744299

 $00:32:55.274 \rightarrow 00:32:56.884$ that quite that prescriptive but

NOTE Confidence: 0.3744299

 $00:32:56.884 \dashrightarrow 00:32:58.929$ even showing them how you would

NOTE Confidence: 0.3744299

 $00:32:58.929 \rightarrow 00:33:00.594$ ask specific questions as well.

NOTE Confidence: 0.3744299

 $00:33:00.600 \rightarrow 00:33:02.880$ As far as the differential diagnosis,

NOTE Confidence: 0.3744299

 $00:33:02.880 \rightarrow 00:33:04.160$ this is obviously very limited.

NOTE Confidence: 0.3744299

 $00:33:04.160 \longrightarrow 00:33:05.966$ This is an interesting one because

NOTE Confidence: 0.3744299

00:33:05.966 --> 00:33:07.883 we don't know right what the

NOTE Confidence: 0.3744299

 $00:33:07.883 \rightarrow 00:33:09.503$ differential diagnosis is right Like

NOTE Confidence: 0.3744299

 $00:33:09.503 \dashrightarrow 00:33:11.693$ we just know what number one was

NOTE Confidence: 0.3744299

00:33:11.693 --> 00:33:13.433 but may
be this learner had other

NOTE Confidence: 0.3744299

 $00{:}33{:}13{.}440 \dashrightarrow 00{:}33{:}15{.}072$ diagnosis they were considering

NOTE Confidence: 0.3744299

 $00{:}33{:}15{.}072 \dashrightarrow 00{:}33{:}17{.}112$ that's when that more open-ended

 $00:33:17.112 \rightarrow 00:33:18.871$ questioning can be really helpful

NOTE Confidence: 0.3744299

 $00:33:18.871 \rightarrow 00:33:20.803$ like Penina was mentioning just saying

NOTE Confidence: 0.3744299

00:33:20.865 - 00:33:22.636 like what else could be going on.

NOTE Confidence: 0.3744299

00:33:22.640 --> 00:33:23.750 No, like UTI,

NOTE Confidence: 0.3744299

 $00{:}33{:}23.750 \dashrightarrow 00{:}33{:}25.970$ that's should definitely be on the

NOTE Confidence: 0.3744299

00:33:25.970 --> 00:33:27.574 differential but or even numbering NOTE Confidence: 0.3744299

 $00:33:27.574 \longrightarrow 00:33:29.814$ like what are two or three more

NOTE Confidence: 0.3744299

 $00:33:29.814 \rightarrow 00:33:31.620$ diagnosis that could be going on

NOTE Confidence: 0.3744299

 $00{:}33{:}31{.}620 \dashrightarrow 00{:}33{:}33{.}369$ for with this patient even if

NOTE Confidence: 0.3744299

 $00:33:33.369 \rightarrow 00:33:34.919$ you think they're less likely.

NOTE Confidence: 0.3744299

00:33:34.920 --> 00:33:37.461 I'm just so you again you know

NOTE Confidence: 0.3744299

 $00:33:37.461 \longrightarrow 00:33:39.240$ what their strike zone is.

NOTE Confidence: 0.3744299

 $00{:}33{:}39{.}240 \dashrightarrow 00{:}33{:}40{.}960$ Again for frameworks they're different

NOTE Confidence: 0.3744299

 $00:33:40.960 \rightarrow 00:33:42.680$ frameworks that you could provide.

NOTE Confidence: 0.3744299

 $00{:}33{:}42.680 \dashrightarrow 00{:}33{:}44.528$ This is a way to make it like

NOTE Confidence: 0.3744299

 $00:33:44.528 \longrightarrow 00:33:45.900$ more multiple choice like I've

- NOTE Confidence: 0.3744299
- $00:33:45.900 \longrightarrow 00:33:47.036$ been saying as well.
- NOTE Confidence: 0.3744299
- $00:33:47.040 \rightarrow 00:33:48.110$ So maybe they're just struggling
- NOTE Confidence: 0.3744299
- $00:33:48.110 \longrightarrow 00:33:49.760$ to come up with the differential,
- NOTE Confidence: 0.3744299
- 00:33:49.760 --> 00:33:49.902 right.
- NOTE Confidence: 0.3744299
- $00{:}33{:}49{.}902 \dashrightarrow 00{:}33{:}51{.}038$ You ask them what else is going on,
- NOTE Confidence: 0.33648703
- 00:33:51.040 --> 00:33:52.702 They just stare at you blankly. OK,
- NOTE Confidence: 0.33648703
- $00:33:52.702 \rightarrow 00:33:56.718$ Can you think of any other infectious causes?
- NOTE Confidence: 0.33648703
- $00:33:56.720 \rightarrow 00:34:01.076$ Malignancy causes, vascular causes as well.
- NOTE Confidence: 0.33648703
- $00:34:01.080 \longrightarrow 00:34:02.522$ And there might not be them for
- NOTE Confidence: 0.33648703
- $00:34:02.522 \rightarrow 00:34:03.827$ every category and you can be
- NOTE Confidence: 0.33648703
- $00{:}34{:}03{.}827 \dashrightarrow 00{:}34{:}05{.}117$ judicious about which ones you pick.
- NOTE Confidence: 0.33648703
- $00{:}34{:}05{.}120 \dashrightarrow 00{:}34{:}07{.}458$ But that way the learner can also
- NOTE Confidence: 0.33648703
- $00:34:07.458 \dashrightarrow 00:34:09.501$ feel more ownership about their
- NOTE Confidence: 0.33648703
- 00:34:09.501 --> 00:34:10.704 clinical reasoning, right?
- NOTE Confidence: 0.33648703
- $00{:}34{:}10.704 \dashrightarrow 00{:}34{:}12.112$ They leave the encounter, feel like,
- NOTE Confidence: 0.33648703

00:34:12.112 --> 00:34:14.160 hey, like I did like get some stuff

NOTE Confidence: 0.33648703

 $00{:}34{:}14{.}223 \dashrightarrow 00{:}34{:}16{.}392$ right even though I need to work on it,

NOTE Confidence: 0.33648703

 $00:34:16.400 \longrightarrow 00:34:18.020$ which can be motivating for

NOTE Confidence: 0.33648703

 $00{:}34{:}18{.}020 \dashrightarrow 00{:}34{:}19{.}316$ them in the future.

NOTE Confidence: 0.33648703

00:34:19.320 --> 00:34:20.924 So great job team.

NOTE Confidence: 0.33648703

 $00{:}34{:}20{.}924 \dashrightarrow 00{:}34{:}24{.}849$ You are right on track as far as data

NOTE Confidence: 0.33648703

 $00:34:24.849 \longrightarrow 00:34:26.988$ collection and differential concerns.

NOTE Confidence: 0.33648703

 $00:34:26.988 \longrightarrow 00:34:29.958$ So for case number 2.

NOTE Confidence: 0.6194185

 $00:34:32.480 \dashrightarrow 00:34:36.000$ All right, so this is a patient on the wart.

NOTE Confidence: 0.6194185

 $00:34:36.000 \rightarrow 00:34:38.835$ So this is a 17 year old.

NOTE Confidence: 0.6194185

 $00{:}34{:}38{.}840 \dashrightarrow 00{:}34{:}41{.}264$ A female with extra sickle cell

NOTE Confidence: 0.6194185

 $00:34:41.264 \rightarrow 00:34:42.880$ disease and exchange transfusion.

NOTE Confidence: 0.6194185

 $00{:}34{:}42.880 \dashrightarrow 00{:}34{:}45.020$ Twice in the past two years I had one of

NOTE Confidence: 0.6194185

 $00:34:45.080 \longrightarrow 00:34:47.278$ the Pediatrics fellows give me this case.

NOTE Confidence: 0.6194185

 $00:34:47.280 \dashrightarrow 00:34:48.720$ It makes it way too complicated.

NOTE Confidence: 0.6194185

 $00:34:48.720 \rightarrow 00:34:50.080$ I don't know what's going on in this.

- NOTE Confidence: 0.6194185
- 00:34:50.080 --> 00:34:52.400 Anyway, 3 days of fatigue,

 $00:34:52.400 \rightarrow 00:34:53.892$ Lightheadedness and feeling dehydrated.

NOTE Confidence: 0.6194185

00:34:53.892 --> 00:34:56.719 Now with a 2 day history of cough,

NOTE Confidence: 0.6194185

 $00{:}34{:}56{.}720 \dashrightarrow 00{:}34{:}58{.}825$ nausea, vomiting and upper abdominal

NOTE Confidence: 0.6194185

 $00:34:58.825 \longrightarrow 00:35:01.600$ pain radiating to the left shoulder.

NOTE Confidence: 0.6194185

 $00{:}35{:}01{.}600 \dashrightarrow 00{:}35{:}04{.}108$ She was admitted yesterday to Bridgeport

NOTE Confidence: 0.6194185

 $00:35:04.108 \rightarrow 00:35:06.120$ with worsening abdominal shoulder pain.

NOTE Confidence: 0.6194185

00:35:06.120 --> 00:35:08.880 Refractory to Dilaudid PCA.

NOTE Confidence: 0.6194185

 $00{:}35{:}08{.}880 \dashrightarrow 00{:}35{:}11{.}640$ So past medical history.

NOTE Confidence: 0.6194185

 $00{:}35{:}11.640 \dashrightarrow 00{:}35{:}12.570$ Sickle cell disease.

NOTE Confidence: 0.6194185

 $00:35:12.570 \dashrightarrow 00:35:14.120$ The disease with multiple crises.

NOTE Confidence: 0.6194185

00:35:14.120 --> 00:35:16.300 Baseline hemoglobin of nine Has

NOTE Confidence: 0.6194185

 $00:35:16.300 \longrightarrow 00:35:18.480$ a history of insulin resistance,

NOTE Confidence: 0.6194185

 $00{:}35{:}18.480 \dashrightarrow 00{:}35{:}20.232$ had a cholecy stectomy previously,

NOTE Confidence: 0.6194185

 $00{:}35{:}20{.}232 \dashrightarrow 00{:}35{:}21{.}984$ Takes ibu profen and oxycodone

 $00:35:21.984 \rightarrow 00:35:24.079$ for pain but has not filled.

NOTE Confidence: 0.6194185

00:35:24.080 --> 00:35:27.680 Hydroxyurea and metformin smokes marijuana.

NOTE Confidence: 0.6194185

 $00:35:27.680 \rightarrow 00:35:30.260$ Daily exam notable for a temperature

NOTE Confidence: 0.6194185

00:35:30.260 --> 00:35:32.799 of 39 four heart rate 107,

NOTE Confidence: 0.6194185

00:35:32.800 --> 00:35:35.200 blood pressure 98 / 65,

NOTE Confidence: 0.6194185

 $00:35:35.200 \rightarrow 00:35:37.480$ respiratory over 26,

NOTE Confidence: 0.6194185

 $00:35:37.480 \longrightarrow 00:35:40.582$ oxygen saturation of 97%,

NOTE Confidence: 0.6194185

 $00{:}35{:}40{.}582 \dashrightarrow 00{:}35{:}45{.}514$ General to Kipnik with mild distress

NOTE Confidence: 0.6194185

 $00{:}35{:}45{.}520 \dashrightarrow 00{:}35{:}48{.}604$ and scleral conjunctural Ichteros

NOTE Confidence: 0.6194185

 $00{:}35{:}48.604 \dashrightarrow 00{:}35{:}52.040$ diminished breath sounds a sinus

NOTE Confidence: 0.6194185

 $00{:}35{:}52{.}040 \dashrightarrow 00{:}35{:}54{.}280$ tachycardia On cardiac exam.

NOTE Confidence: 0.6194185

 $00:35:54.280 \dashrightarrow 00:35:58.738$ The abdomen was with no organomegaly

NOTE Confidence: 0.6194185

 $00:35:58.738 \longrightarrow 00:36:00.076$ but diffusely tender.

NOTE Confidence: 0.6194185

00:36:00.080 --> 00:36:02.264 I mean skin was notable for

NOTE Confidence: 0.6194185

 $00{:}36{:}02.264 \dashrightarrow 00{:}36{:}03.356$ pallor and jaundice.

NOTE Confidence: 0.6194185

 $00:36:03.360 \longrightarrow 00:36:05.952$ So on labs white blood cell count was 9,

- NOTE Confidence: 0.6194185
- $00:36:05.960 \longrightarrow 00:36:07.452$ hemoglobin 5.7,
- NOTE Confidence: 0.6194185
- $00{:}36{:}07{.}452 \dashrightarrow 00{:}36{:}10{.}436$ platelet 77 and neutrophil
- NOTE Confidence: 0.6194185
- $00:36:10.440 \longrightarrow 00:36:13.080$ 77% with retic count of 4%.
- NOTE Confidence: 0.6194185
- 00:36:13.080 --> 00:36:14.480 Mild spot was positive,
- NOTE Confidence: 0.6194185
- $00:36:14.480 \longrightarrow 00:36:15.880$ total ability was 6,
- NOTE Confidence: 0.6194185
- $00{:}36{:}15.880 \dashrightarrow 00{:}36{:}17.782$ but the CMP was otherwise normal
- NOTE Confidence: 0.6194185
- $00:36:17.782 \longrightarrow 00:36:20.040$ and there was a normal lipase.
- NOTE Confidence: 0.6194185
- $00:36:20.040 \longrightarrow 00:36:23.811$ So again in assessment we have a 17
- NOTE Confidence: 0.6194185
- $00:36:23.811 \dashrightarrow 00:36:25.568$ year old girl with a past medical
- NOTE Confidence: 0.6194185
- $00:36:25.568 \longrightarrow 00:36:27.156$ history of sickle cell anemia
- NOTE Confidence: 0.6194185
- $00{:}36{:}27.156 \dashrightarrow 00{:}36{:}28.866$ who presents with abdominal pain
- NOTE Confidence: 0.6194185
- $00{:}36{:}28.866 \dashrightarrow 00{:}36{:}30.680$ history also notable for fatigue,
- NOTE Confidence: 0.6194185
- $00:36:30.680 \rightarrow 00:36:32.360$ light headedness and shoulder pain.
- NOTE Confidence: 0.6194185
- $00:36:32.360 \longrightarrow 00:36:34.760$ Most likely secondary to
- NOTE Confidence: 0.6194185
- $00:36:34.760 \longrightarrow 00:36:35.960$ splenic sequestration.
- NOTE Confidence: 0.6194185

 $00:36:35.960 \rightarrow 00:36:39.040$ As her variant hemoglobinopathy continues

NOTE Confidence: 0.6194185

 $00{:}36{:}39{.}040 \dashrightarrow 00{:}36{:}40{.}876$ leads to continued risk of events.

NOTE Confidence: 0.6194185

00:36:40.880 --> 00:36:42.296 Pneumonia is also possible,

NOTE Confidence: 0.6194185

 $00{:}36{:}42.296 \dashrightarrow 00{:}36{:}45.480$ giving the fever to get me in tachycardia,

NOTE Confidence: 0.6194185

 $00{:}36{:}45{.}480 \dashrightarrow 00{:}36{:}46{.}917$ less likely pancreatitis.

NOTE Confidence: 0.6194185

00:36:46.917 --> 00:36:49.312 I'd probably give pain medications

NOTE Confidence: 0.6194185

 $00{:}36{:}49{.}312 \dashrightarrow 00{:}36{:}51{.}160$ and start antibiotics.

NOTE Confidence: 0.6194185

 $00:36:51.160 \rightarrow 00:36:52.609$ So one thing I think is interesting

NOTE Confidence: 0.6194185

 $00{:}36{:}52{.}609 \dashrightarrow 00{:}36{:}54{.}472$ as I buy time for you all to put

NOTE Confidence: 0.6194185

 $00{:}36{:}54{.}472 \dashrightarrow 00{:}36{:}56{.}273$ this into the chat or feel free to

NOTE Confidence: 0.6194185

 $00:36:56.273 \rightarrow 00:36:57.473$ like unmute yourself about what NOTE Confidence: 0.6194185

 $00:36:57.473 \dashrightarrow 00:37:00.084$ you think is going on with this

NOTE Confidence: 0.6194185

00:37:00.084 --> 00:37:03.516 learner is that often time I do

NOTE Confidence: 0.6194185

00:37:03.516 --> 00:37:05.540 direct observations of faculty

NOTE Confidence: 0.6194185

 $00{:}37{:}05.640 \dashrightarrow 00{:}37{:}08.848$ and specialties outside of my my

NOTE Confidence: 0.6194185

 $00{:}37{:}08.848 \dashrightarrow 00{:}37{:}10.800$ area of internal medicine.

- NOTE Confidence: 0.6194185
- 00:37:10.800 --> 00:37:13.312 And I will say while you do have
- NOTE Confidence: 0.6194185
- $00:37:13.312 \longrightarrow 00:37:16.283$ to have a some level of knowledge
- NOTE Confidence: 0.6194185
- $00:37:16.283 \longrightarrow 00:37:17.639$ in these conditions,
- NOTE Confidence: 0.6194185
- $00{:}37{:}17.640 \dashrightarrow 00{:}37{:}19.998$ for the most part I feel like I can
- NOTE Confidence: 0.6194185
- $00{:}37{:}19{.}998 \dashrightarrow 00{:}37{:}22{.}792$ get a pretty decent sense of where
- NOTE Confidence: 0.6194185
- $00:37:22.792 \longrightarrow 00:37:24.640$ a learner's clinical reasoning is
- NOTE Confidence: 0.6194185
- $00:37:24.640 \rightarrow 00:37:27.118$ simply by how they present the information.
- NOTE Confidence: 0.6194185
- $00:37:27.120 \longrightarrow 00:37:28.828$ That's why it can be helpful to
- NOTE Confidence: 0.6194185
- $00:37:28.828 \dashrightarrow 00:37:30.199$ have frameworks to some degree.
- NOTE Confidence: 0.6194185
- 00:37:30.200 --> 00:37:30.680 So hopefully,
- NOTE Confidence: 0.6194185
- $00:37:30.680 \longrightarrow 00:37:31.400$ even though this
- NOTE Confidence: 0.3283914
- $00{:}37{:}36{.}850 \dashrightarrow 00{:}37{:}39{.}530$ a little bit more specific of a case,
- NOTE Confidence: 0.3283914
- $00:37:39.530 \rightarrow 00:37:41.442$ y'all might be able to share where you
- NOTE Confidence: 0.3283914
- $00:37:41.442 \rightarrow 00:37:43.489$ think this learner is struggling the most,
- NOTE Confidence: 0.3283914
- $00:37:43.490 \longrightarrow 00:37:45.807$ even if you might not necessarily know
- NOTE Confidence: 0.3283914

00:37:45.810 - 00:37:48.970 how you would teach it given the feel.

NOTE Confidence: 0.3283914

 $00{:}37{:}48{.}970 \dashrightarrow 00{:}37{:}50{.}368$ So what do you think is

NOTE Confidence: 0.3283914

 $00:37:50.368 \longrightarrow 00:37:51.810$ going on with this learner?

NOTE Confidence: 0.3283914

 $00:37:51.810 \longrightarrow 00:37:52.850$ Where are they struggling?

NOTE Confidence: 0.3283914

 $00{:}37{:}58{.}130 \dashrightarrow 00{:}38{:}01{.}903$ Yeah, all four. I agree there's

NOTE Confidence: 0.3283914

 $00{:}38{:}01{.}903 \dashrightarrow 00{:}38{:}04{.}640$ a lot to unpack in this case.

NOTE Confidence: 0.3283914

00:38:04.640 --> 00:38:07.232 One thing I'll I'll say with that in mind,

NOTE Confidence: 0.3283914

 $00:38:07.240 \longrightarrow 00:38:08.800$ and everybody's different and

NOTE Confidence: 0.3283914

 $00{:}38{:}08{.}800 \dashrightarrow 00{:}38{:}11{.}140$ sometimes you just absolutely need to

NOTE Confidence: 0.3283914

 $00:38:11.201 \rightarrow 00:38:13.236$ clarify information from a learner.

NOTE Confidence: 0.3283914

00:38:13.240 --> 00:38:15.431 But I will say usually I'll wait

NOTE Confidence: 0.3283914

00:38:15.431 - > 00:38:17.564 until the end of a presentation

NOTE Confidence: 0.3283914

 $00{:}38{:}17.564 \dashrightarrow 00{:}38{:}19.434$ before I make any comment,

NOTE Confidence: 0.3283914

 $00:38:19.440 \longrightarrow 00:38:21.785$ just because there could be so many

NOTE Confidence: 0.3283914

 $00:38:21.785 \rightarrow 00:38:23.389$ different things along the way

NOTE Confidence: 0.3283914

 $00:38:23.389 \rightarrow 00:38:25.272$ that you might want to talk about.

- NOTE Confidence: 0.3283914
- 00:38:25.280 --> 00:38:27.518 And if you have limited time,

00:38:27.520 --> 00:38:29.205 sometimes you can only pick

NOTE Confidence: 0.3283914

00:38:29.205 --> 00:38:30.553 like certain specific things.

NOTE Confidence: 0.52107096

00:38:37.950 --> 00:38:38.030 All

NOTE Confidence: 0.52107096

 $00:38:41.230 \longrightarrow 00:38:44.416$ right, so we have votes for all

NOTE Confidence: 0.52107096

00:38:44.416 --> 00:38:46.308 categories, anything in specific.

NOTE Confidence: 0.52107096

 $00:38:46.310 \dashrightarrow 00:38:48.487$ If you saw this learner what you

NOTE Confidence: 0.52107096

 $00:38:48.487 \rightarrow 00:38:50.030$ would consider working with for them?

NOTE Confidence: 0.52107096

 $00{:}38{:}52{.}190 \dashrightarrow 00{:}38{:}54{.}406$ So a couple of things that I would

NOTE Confidence: 0.52107096

 $00{:}38{:}54{.}406 \dashrightarrow 00{:}38{:}57{.}229$ I I feel like would I'd want to

NOTE Confidence: 0.52107096

 $00{:}38{:}57{.}229 \dashrightarrow 00{:}39{:}00{.}146$ work with this learner on one is

NOTE Confidence: 0.52107096

 $00{:}39{:}00{.}146 \dashrightarrow 00{:}39{:}02{.}000$ their problem representation.

NOTE Confidence: 0.52107096

00:39:02.000 --> 00:39:04.576 So this is a very common phenotype of

NOTE Confidence: 0.52107096

00:39:04.576 --> 00:39:06.217 problem representation that we'll get

NOTE Confidence: 0.52107096

 $00{:}39{:}06{.}217 \dashrightarrow 00{:}39{:}08{.}089$ in our learners where they essentially

 $00:39:08.089 \rightarrow 00:39:09.799$ just repeat the history right?

NOTE Confidence: 0.52107096

 $00:39:09.800 \rightarrow 00:39:11.676$ How do they distinguish signal from noise?

NOTE Confidence: 0.52107096

 $00:39:11.680 \longrightarrow 00:39:12.598$ We don't know.

NOTE Confidence: 0.52107096

00:39:12.598 --> 00:39:14.384 And it's like it's really frustrating

NOTE Confidence: 0.52107096

 $00{:}39{:}14{.}384 \dashrightarrow 00{:}39{:}15{.}824$ because it makes the presentations

NOTE Confidence: 0.52107096

 $00{:}39{:}15{.}824 \dashrightarrow 00{:}39{:}16{.}760$ a lot longer.

NOTE Confidence: 0.52107096

00:39:16.760 --> 00:39:18.377 But it is important that they need

NOTE Confidence: 0.52107096

 $00:39:18.377 \rightarrow 00:39:20.288$ to find ways to synthesize it, right.

NOTE Confidence: 0.52107096

 $00{:}39{:}20.288 \dashrightarrow 00{:}39{:}22.713$ And so, you know, sometimes in notes,

NOTE Confidence: 0.52107096

00:39:22.713 --> 00:39:24.197 I like limit learners.

NOTE Confidence: 0.52107096

00:39:24.200 --> 00:39:25.760 I mean, obviously we have like

NOTE Confidence: 0.52107096

 $00:39:25.760 \dashrightarrow 00:39:26.800$ really complex patients sometimes.

NOTE Confidence: 0.52107096

00:39:26.800 --> 00:39:27.472 But all right,

NOTE Confidence: 0.52107096

 $00:39:27.472 \longrightarrow 00:39:29.729$ you tell me what are like the two or

NOTE Confidence: 0.52107096

 $00:39:29.729 \rightarrow 00:39:31.637$ three most important comorbidities we have,

NOTE Confidence: 0.52107096

 $00:39:31.640 \longrightarrow 00:39:32.168$ All right.

- NOTE Confidence: 0.52107096
- 00:39:32.168 --> 00:39:34.280 Like if you have to pick two symptoms,
- NOTE Confidence: 0.52107096
- $00:39:34.280 \longrightarrow 00:39:35.015$ what would the,
- NOTE Confidence: 0.52107096
- 00:39:35.015 --> 00:39:35.995 what would you include,
- NOTE Confidence: 0.52107096
- 00:39:36.000 00:39:37.449 what are the two labs you would
- NOTE Confidence: 0.52107096
- $00{:}39{:}37{.}449 \dashrightarrow 00{:}39{:}39{.}445$ want to or how would you categorize
- NOTE Confidence: 0.52107096
- 00:39:39.445 00:39:40.750 this patient's timing? Right.
- NOTE Confidence: 0.52107096
- 00:39:40.750 --> 00:39:42.920 It's abdominal pain, like is it acute,
- NOTE Confidence: 0.52107096
- 00:39:42.920 --> 00:39:44.576 is it sub acute, chronic, right.
- NOTE Confidence: 0.52107096
- 00:39:44.576 --> 00:39:46.080 Those are whole different
- NOTE Confidence: 0.52107096
- $00:39:46.080 \longrightarrow 00:39:48.360$ differentials for us as well.
- NOTE Confidence: 0.52107096
- $00{:}39{:}48{.}360 \dashrightarrow 00{:}39{:}51{.}342$ So that would be one thing for
- NOTE Confidence: 0.52107096
- $00{:}39{:}51{.}342 \dashrightarrow 00{:}39{:}53{.}274$ problem representation as well.
- NOTE Confidence: 0.52107096
- $00:39:53.274 \rightarrow 00:39:56.313$ The other one is management, right?
- NOTE Confidence: 0.52107096
- $00{:}39{:}56{.}313 \dashrightarrow 00{:}39{:}58{.}078$ And now to be fair,
- NOTE Confidence: 0.52107096
- $00:39:58.080 \rightarrow 00:40:00.026$ it's like I don't know how many
- NOTE Confidence: 0.52107096

 $00:40:00.026 \longrightarrow 00:40:01.561$ learners you would have who

NOTE Confidence: 0.52107096

00:40:01.561 --> 00:40:03.493 would actually just say give pain

NOTE Confidence: 0.52107096

 $00:40:03.493 \rightarrow 00:40:05.199$ medications and start antibiotics,

NOTE Confidence: 0.52107096

 $00:40:05.200 \longrightarrow 00:40:06.600$ maybe an early clerk.

NOTE Confidence: 0.52107096

 $00{:}40{:}06.600 \dashrightarrow 00{:}40{:}08.700$ But still y'all know that there

NOTE Confidence: 0.52107096

 $00{:}40{:}08.775 \dashrightarrow 00{:}40{:}10.994$ are plenty of times that we need

NOTE Confidence: 0.52107096

 $00:40:10.994 \longrightarrow 00:40:12.879$ our learners to specify more.

NOTE Confidence: 0.52107096

 $00{:}40{:}12.880 \dashrightarrow 00{:}40{:}14.560$ And so that's when it can be helpful

NOTE Confidence: 0.52107096

 $00{:}40{:}14.560 \dashrightarrow 00{:}40{:}16.390$ to give them a prompt like that

NOTE Confidence: 0.52107096

00:40:16.390 --> 00:40:18.280 management script template that I mentioned.

NOTE Confidence: 0.52107096

00:40:18.280 --> 00:40:18.810 Like, OK,

NOTE Confidence: 0.52107096

00:40:18.810 --> 00:40:20.400 you don't have to say everything,

NOTE Confidence: 0.52107096

 $00:40:20.400 \longrightarrow 00:40:22.437$ but any tests you want to do,

NOTE Confidence: 0.52107096

 $00:40:22.440 \longrightarrow 00:40:23.652$ any diagnostic tests.

NOTE Confidence: 0.52107096

 $00:40:23.652 \rightarrow 00:40:26.076$ Any medications we want to give,

NOTE Confidence: 0.52107096

 $00:40:26.080 \rightarrow 00:40:27.880$ when should we follow up with this patient,
- NOTE Confidence: 0.52107096
- $00:40:27.880 \longrightarrow 00:40:30.160$ right or how long do we want to

 $00{:}40{:}30{.}160 \dashrightarrow 00{:}40{:}32{.}156$ wait until we get the next BMP.

NOTE Confidence: 0.52107096

00:40:32.160 --> 00:40:34.760 So asking for a little bit more clarity

NOTE Confidence: 0.52107096

 $00:40:34.760 \rightarrow 00:40:37.439$ around the management can lead to really,

NOTE Confidence: 0.52107096

 $00:40:37.440 \longrightarrow 00:40:39.120$ really helpful discussions.

NOTE Confidence: 0.52107096

 $00:40:39.120 \longrightarrow 00:40:40.240$ And honestly,

NOTE Confidence: 0.52107096

 $00{:}40{:}40{.}240 \dashrightarrow 00{:}40{:}42{.}837$ that's one of the biggest parts of

NOTE Confidence: 0.52107096

 $00:40:42.840 \longrightarrow 00:40:45.036$ our our clinical reasoning on rounds,

NOTE Confidence: 0.52107096

 $00:40:45.040 \longrightarrow 00:40:47.320$ right is really helping our learners,

NOTE Confidence: 0.52107096

 $00:40:47.320 \longrightarrow 00:40:49.280$ especially the more senior learners

NOTE Confidence: 0.52107096

 $00:40:49.280 \longrightarrow 00:40:51.236$ hone their testing and treatment thresholds.

NOTE Confidence: 0.52107096

 $00{:}40{:}51{.}240 \dashrightarrow 00{:}40{:}52{.}564$ For those early learners,

NOTE Confidence: 0.52107096

00:40:52.564 --> 00:40:54.930 it's just figuring out what you could

NOTE Confidence: 0.52107096

 $00{:}40{:}54{.}930 \dashrightarrow 00{:}40{:}56{.}844$ do and for more senior learners

NOTE Confidence: 0.52107096

 $00{:}40{:}56{.}844 \dashrightarrow 00{:}40{:}58{.}735$ it's figuring out why you should

 $00:40:58.735 \longrightarrow 00:41:00.475$ do one thing versus the other,

NOTE Confidence: 0.52107096

 $00:41:00.480 \longrightarrow 00:41:02.720$ knowing that there isn't necessarily

NOTE Confidence: 0.52107096

 $00:41:02.720 \longrightarrow 00:41:05.920$ a single right answer.

NOTE Confidence: 0.52107096

 $00:41:05.920 \longrightarrow 00:41:07.484$ So with that in mind,

NOTE Confidence: 0.52107096

 $00{:}41{:}07{.}484 \dashrightarrow 00{:}41{:}08{.}800$ that's a that's a wrap for me.

NOTE Confidence: 0.52107096

 $00{:}41{:}08.800 \dashrightarrow 00{:}41{:}10.960$ I wanted to give you all some break.

NOTE Confidence: 0.52107096

00:41:10.960 --> 00:41:13.700 I know again that this is a a

NOTE Confidence: 0.52107096

00:41:13.700 --> 00:41:14.960 busy time for Y'all in between,

NOTE Confidence: 0.52107096

 $00{:}41{:}14{.}960 \dashrightarrow 00{:}41{:}16{.}920$ but I'm around for questions.

NOTE Confidence: 0.52107096

 $00{:}41{:}16.920 \dashrightarrow 00{:}41{:}18.950$ But again to summarize today we talked

NOTE Confidence: 0.52107096

 $00{:}41{:}18.950 \dashrightarrow 00{:}41{:}21.558$ about a few things in clinical reasoning.

NOTE Confidence: 0.52107096

 $00{:}41{:}21{.}560 \dashrightarrow 00{:}41{:}21{.}780$ One,

NOTE Confidence: 0.52107096

 $00:41:21.780 \longrightarrow 00:41:23.320$ we talked about why we do this,

NOTE Confidence: 0.52107096

 $00:41:23.320 \longrightarrow 00:41:24.720$ which is diagnostic error.

NOTE Confidence: 0.52107096

 $00:41:24.720 \longrightarrow 00:41:26.120$ We gave some language,

NOTE Confidence: 0.52107096

 $00:41:26.120 \longrightarrow 00:41:28.760$ we talked about some theories as

- NOTE Confidence: 0.52107096
- $00:41:28.760 \rightarrow 00:41:31.279$ well and really mentioned about the
- NOTE Confidence: 0.52107096
- $00{:}41{:}31{.}280 \dashrightarrow 00{:}41{:}32{.}560$ situativity theory, the context.
- NOTE Confidence: 0.52107096
- 00:41:32.560 --> 00:41:34.480 I I probably didn't talk about
- NOTE Confidence: 0.52107096
- $00{:}41{:}34{.}534 \dashrightarrow 00{:}41{:}36{.}278$ that as much as we should but you
- NOTE Confidence: 0.52107096
- 00:41:36.278 --> 00:41:36.714 know that
- NOTE Confidence: 0.8244934
- $00{:}41{:}36{.}720 \dashrightarrow 00{:}41{:}38{.}044$ clinical reasoning is different
- NOTE Confidence: 0.8244934
- 00:41:38.044 --> 00:41:39.368 in different environments, right,
- NOTE Confidence: 0.8244934
- 00:41:39.368 --> 00:41:41.336 a busy clinic versus having like
- NOTE Confidence: 0.8244934
- $00:41:41.336 \longrightarrow 00:41:43.687$ all the time in the world if you're
- NOTE Confidence: 0.8244934
- $00:41:43.687 \longrightarrow 00:41:45.680$ on like a slow day of rounds.
- NOTE Confidence: 0.8244934
- $00{:}41{:}45.680 \dashrightarrow 00{:}41{:}47.570$ We talked about strategies to assess
- NOTE Confidence: 0.8244934
- $00{:}41{:}47.570 \dashrightarrow 00{:}41{:}49.140$ and teach clinical reasoning really
- NOTE Confidence: 0.8244934
- $00:41:49.140 \longrightarrow 00:41:50.676$ based off of those four steps,
- NOTE Confidence: 0.8244934
- 00:41:50.680 --> 00:41:52.700 data collection, problem representation,
- NOTE Confidence: 0.8244934
- $00{:}41{:}52.700 \dashrightarrow 00{:}41{:}54.720$ differential diagnosis and management,
- NOTE Confidence: 0.8244934

 $00:41:54.720 \rightarrow 00:41:57.280$ and broad categories of teaching

NOTE Confidence: 0.8244934

00:41:57.280 --> 00:41:59.110 open-ended frameworks, modeling,

NOTE Confidence: 0.8244934

 $00{:}41{:}59{.}110 \dashrightarrow 00{:}42{:}01{.}550$ and providing some directed

NOTE Confidence: 0.8244934

 $00:42:01.550 \longrightarrow 00:42:04.360$ learning to do afterwards.

NOTE Confidence: 0.8244934

 $00:42:04.360 \longrightarrow 00:42:06.520$ And then we had a few fun examples,

NOTE Confidence: 0.8244934

 $00{:}42{:}06{.}520 \dashrightarrow 00{:}42{:}08{.}792$ a lot of which I'm not completely sure

NOTE Confidence: 0.8244934

 $00{:}42{:}08.792 \dashrightarrow 00{:}42{:}12.758$ I knew as a general adult internist.

NOTE Confidence: 0.8244934

 $00:42:12.760 \longrightarrow 00:42:13.420$ So yeah, sorry,

NOTE Confidence: 0.8244934

 $00{:}42{:}13{.}420 \dashrightarrow 00{:}42{:}14{.}520$ I have some questions here,

NOTE Confidence: 0.8244934

00:42:14.520 --> 00:42:16.356 Feel free to throw them in the chat if

NOTE Confidence: 0.8244934

 $00{:}42{:}16.360 \dashrightarrow 00{:}42{:}20.800$ or if you are ready to head out as well.

NOTE Confidence: 0.8244934

00:42:20.800 --> 00:42:22.144 I just want to remind everybody

NOTE Confidence: 0.8244934

 $00:42:22.144 \longrightarrow 00:42:23.560$ what the code is for today.

NOTE Confidence: 0.8244934

00:42:23.560 --> 00:42:27.080 It's 42047 for CME credit,

NOTE Confidence: 0.49400863

 $00:42:29.200 \longrightarrow 00:42:32.440$ but for Carol, as Carol asks,

NOTE Confidence: 0.49400863

 $00:42:32.440 \longrightarrow 00:42:33.392$ brings a great point.

- NOTE Confidence: 0.49400863
- $00:42:33.392 \longrightarrow 00:42:35.148$ I don't know if that's a question

 $00:42:35.148 \longrightarrow 00:42:36.493$ or just like something we

NOTE Confidence: 0.49400863

 $00:42:36.493 \rightarrow 00:42:38.200$ could work on for management,

NOTE Confidence: 0.49400863

 $00:42:38.200 \rightarrow 00:42:40.360$ but I think this triage,

NOTE Confidence: 0.49400863

 $00{:}42{:}40{.}360 \dashrightarrow 00{:}42{:}42{.}920$ this disposition is huge actually.

NOTE Confidence: 0.49400863

00:42:42.920 --> 00:42:43.694 So particularly,

NOTE Confidence: 0.49400863

 $00:42:43.694 \rightarrow 00:42:46.016$ we know that diagnostic errors happen

NOTE Confidence: 0.49400863

 $00{:}42{:}46.016 \dashrightarrow 00{:}42{:}48.480$ most in these transitions of care.

NOTE Confidence: 0.49400863

 $00:42:48.480 \rightarrow 00:42:50.080$ So really making the decision,

NOTE Confidence: 0.49400863

 $00:42:50.080 \longrightarrow 00:42:51.400$ can this patient go home?

NOTE Confidence: 0.49400863

 $00:42:51.400 \longrightarrow 00:42:53.120$ Do they need to go to the Ed?

NOTE Confidence: 0.49400863

 $00{:}42{:}53{.}120 \dashrightarrow 00{:}42{:}55{.}118$ Or if they're in the Ed,

NOTE Confidence: 0.49400863

 $00:42:55.120 \longrightarrow 00:42:57.480$ should they like, be admitted,

NOTE Confidence: 0.49400863

 $00{:}42{:}57{.}480 \dashrightarrow 00{:}42{:}59{.}856$ Should they go home or should we like wait

NOTE Confidence: 0.49400863

 $00:42:59.856 \rightarrow 00:43:02.400$ a little bit longer while they're here?

- $00:43:02.400 \rightarrow 00:43:03.440$ That can be really helpful,
- NOTE Confidence: 0.49400863
- $00:43:03.440 \rightarrow 00:43:05.924$ particularly to model with our learners
- NOTE Confidence: 0.49400863
- $00:43:05.924 \rightarrow 00:43:09.360$ to unpacking why that might be so.
- NOTE Confidence: 0.49400863
- 00:43:09.360 --> 00:43:11.680 OK, great.
- NOTE Confidence: 0.49400863
- $00{:}43{:}11.680 \dashrightarrow 00{:}43{:}12.538$ Thanks so much.
- NOTE Confidence: 0.49400863
- 00:43:12.538 --> 00:43:13.396 Sorry, can I
- NOTE Confidence: 0.5308898
- $00:43:13.520 \longrightarrow 00:43:14.864$ ask a great question?
- NOTE Confidence: 0.5308898
- $00{:}43{:}14.864 \dashrightarrow 00{:}43{:}16.880$ So for the four different categories
- NOTE Confidence: 0.5308898
- $00{:}43{:}16{.}943 \dashrightarrow 00{:}43{:}18{.}798$ of reasoning that you mentioned,
- NOTE Confidence: 0.5308898
- 00:43:18.800 --> 00:43:20.720 do you feel I almost feel
- NOTE Confidence: 0.5308898
- $00:43:20.720 \longrightarrow 00:43:22.000$ like they are interrelated?
- NOTE Confidence: 0.5308898
- 00:43:22.000 00:43:23.260 For example, if the problem is
- NOTE Confidence: 0.5308898
- $00:43:23.260 \rightarrow 00:43:24.798$ not and you might have said this,
- NOTE Confidence: 0.5308898
- 00:43:24.800 --> 00:43:26.240 I might have missed the
- NOTE Confidence: 0.5308898
- $00:43:26.240 \longrightarrow 00:43:27.700$ beginning of the talk.
- NOTE Confidence: 0.5308898
- $00:43:27.700 \longrightarrow 00:43:29.388$ But is that is that true?

 $00:43:29.388 \longrightarrow 00:43:30.760$ Like how I would think about it?

NOTE Confidence: 0.5308898

00:43:30.760 --> 00:43:32.875 Like I would think like if the if

NOTE Confidence: 0.5308898

00:43:32.875 --> 00:43:34.850 the learner is struggling with

NOTE Confidence: 0.5308898

 $00{:}43{:}34{.}850 \dashrightarrow 00{:}43{:}36{.}234$ the problem representation not

NOTE Confidence: 0.5308898

 $00:43:36.234 \rightarrow 00:43:38.313$ he won't he or she won't come

NOTE Confidence: 0.5308898

 $00{:}43{:}38{.}313 \dashrightarrow 00{:}43{:}40{.}027$ up with the right differential

NOTE Confidence: 0.5308898

 $00{:}43{:}40.027 \dashrightarrow 00{:}43{:}42.055$ and hence that will affect the

NOTE Confidence: 0.5308898

00:43:42.119 --> 00:43:43.519 next steps of management

NOTE Confidence: 0.57738435

 $00{:}43{:}43{.}920 \dashrightarrow 00{:}43{:}45{.}978$ exactly exactly. All of this is intertwined

NOTE Confidence: 0.57738435

 $00{:}43{:}45.978 \dashrightarrow 00{:}43{:}48.436$ and as we've like developed like the side.

NOTE Confidence: 0.57738435

 $00{:}43{:}48{.}440 \dashrightarrow 00{:}43{:}50{.}880$ So I will admit I'm a splitter and not a

NOTE Confidence: 0.57738435

 $00{:}43{:}50{.}942 \dashrightarrow 00{:}43{:}53{.}329$ lumper and my colleagues and Co researchers NOTE Confidence: 0.57738435

 $00:43:53.329 \rightarrow 00:43:56.120$ in the field feel like differently about it.

NOTE Confidence: 0.57738435

00:43:56.120 --> 00:43:58.968 But I think part of why I do try and split

NOTE Confidence: 0.57738435

 $00{:}43{:}58{.}968$ --> $00{:}44{:}01{.}728$ sometimes is because then at least you have NOTE Confidence: 0.57738435

 $00:44:01.728 \rightarrow 00:44:04.760$ a better idea of what you can teach, right?

NOTE Confidence: 0.57738435

00:44:04.760 --> 00:44:06.360 Because then if you're teaching

NOTE Confidence: 0.57738435

00:44:06.360 --> 00:44:08.036 like generally it can just be hard,

NOTE Confidence: 0.57738435

 $00:44:08.040 \rightarrow 00:44:10.040$ there can just be so much to cover.

NOTE Confidence: 0.57738435

00:44:10.040 --> 00:44:11.400 But you are absolutely right,

NOTE Confidence: 0.57738435

 $00:44:11.400 \rightarrow 00:44:13.080$ like combine the steps right now.

NOTE Confidence: 0.57738435

00:44:13.080 --> 00:44:15.224 Hypothesis driven physical examination,

NOTE Confidence: 0.57738435

00:44:15.224 --> 00:44:17.200 right? You need a differential

NOTE Confidence: 0.57738435

 $00{:}44{:}17{.}200 \dashrightarrow 00{:}44{:}19{.}360$ to know what like to do,

NOTE Confidence: 0.57738435

 $00:44:19.360 \longrightarrow 00:44:21.484$ what questions to ask.

NOTE Confidence: 0.57738435

 $00:44:21.484 \rightarrow 00:44:23.077$ Or for example,

NOTE Confidence: 0.57738435

 $00{:}44{:}23.080 \dashrightarrow 00{:}44{:}25.522$ people say a problem representation that

NOTE Confidence: 0.57738435

 $00{:}44{:}25{.}522 \dashrightarrow 00{:}44{:}27{.}800$ leads towards a differential diagnosis.

NOTE Confidence: 0.57738435

00:44:27.800 --> 00:44:29.600 They pick specific information, right?

NOTE Confidence: 0.57738435

 $00:44:29.600 \rightarrow 00:44:32.408$ Because they want you to think of these

NOTE Confidence: 0.57738435

00:44:32.408 --> 00:44:34.880 diagnosis and I will say in like that model,

- NOTE Confidence: 0.57738435
- $00{:}44{:}34{.}880 \dashrightarrow 00{:}44{:}39{.}848$ like a lot of a lot of researchers or

00:44:39.848 --> 00:44:43.639 like educators will will post it that that

NOTE Confidence: 0.57738435

 $00:44:43.639 \rightarrow 00:44:45.634$ hypothesis generation actually is the

NOTE Confidence: 0.57738435

 $00:44:45.634 \rightarrow 00:44:48.278$ first step that that's where you start.

NOTE Confidence: 0.57738435

 $00{:}44{:}48.280 \dashrightarrow 00{:}44{:}50.555$ And from there you have data collection.

NOTE Confidence: 0.57738435

 $00:44:50.560 \longrightarrow 00:44:51.720$ So obviously,

NOTE Confidence: 0.57738435

 $00:44:51.720 \longrightarrow 00:44:54.040$ they definitely blend together.

NOTE Confidence: 0.57738435

00:44:54.040 --> 00:44:56.200 But if it can be helpful just to pick

NOTE Confidence: 0.57738435

 $00{:}44{:}56{.}200 \dashrightarrow 00{:}44{:}58{.}285$ like 1 area specifically where you want

NOTE Confidence: 0.57738435

 $00{:}44{:}58.285 \dashrightarrow 00{:}45{:}00.800$ to focus at least for a given encounter.

NOTE Confidence: 0.57738435

 $00:45:00.800 \longrightarrow 00:45:01.400$ Does that make sense?

NOTE Confidence: 0.66050357

00:45:02.360 --> 00:45:03.064 Yes. Got it. Yeah,

NOTE Confidence: 0.66050357

 $00:45:03.064 \rightarrow 00:45:04.360$ that's what I was trying to like.

NOTE Confidence: 0.66050357

 $00{:}45{:}04{.}360 \dashrightarrow 00{:}45{:}05{.}638$ In my mind, trying to differentiate.

NOTE Confidence: 0.66050357

 $00:45:05.640 \longrightarrow 00:45:07.327$ It makes sense to pick one to

 $00:45:07.327 \longrightarrow 00:45:08.844$ do an intervention in a small

NOTE Confidence: 0.66050357

 $00:45:08.844 \rightarrow 00:45:10.320$ session with this with a learner,

NOTE Confidence: 0.66050357

 $00:45:10.320 \longrightarrow 00:45:11.800$ but OK, thank you.

NOTE Confidence: 0.4498813

 $00{:}45{:}13.800 \dashrightarrow 00{:}45{:}15.580$ And I will say a lot of you teach medical

NOTE Confidence: 0.4498813

 $00{:}45{:}15.629 \dashrightarrow 00{:}45{:}17.546$ students or I think they even do this in

NOTE Confidence: 0.4498813

 $00{:}45{:}17{.}546 \dashrightarrow 00{:}45{:}19{.}196$ graduate medical education with the Epas.

NOTE Confidence: 0.4498813

 $00{:}45{:}19{.}200 \dashrightarrow 00{:}45{:}21{.}354$ Like all of these qualities because

NOTE Confidence: 0.4498813

 $00:45:21.354 \rightarrow 00:45:23.799$ map out to the Epas as well.

NOTE Confidence: 0.4498813

 $00{:}45{:}23{.}800 \dashrightarrow 00{:}45{:}26{.}726$ Like if you go from like a level 1 to a level

NOTE Confidence: 0.4498813

 $00{:}45{:}26.726 \dashrightarrow 00{:}45{:}29.078$ 5 from like pre entrustible to entrustible,

NOTE Confidence: 0.4498813

 $00:45:29.080 \longrightarrow 00:45:30.837$ if you like read the fine print,

NOTE Confidence: 0.4498813

 $00:45:30.840 \rightarrow 00:45:32.880$ they essentially include all of these.

NOTE Confidence: 0.4498813

 $00:45:32.880 \longrightarrow 00:45:34.535$ They might not say problem

NOTE Confidence: 0.4498813

 $00:45:34.535 \rightarrow 00:45:35.859$ representation because that's probably

NOTE Confidence: 0.4498813

 $00:45:35.859 \rightarrow 00:45:37.764$ too dense of lingo when they were

NOTE Confidence: 0.4498813

 $00:45:37.764 \rightarrow 00:45:39.360$ developing these at the double AMC,

- NOTE Confidence: 0.4498813
- $00:45:39.360 \rightarrow 00:45:40.800$ but all of these map out to that.

00:45:40.800 --> 00:45:42.352 But at least it's a little bit easier

NOTE Confidence: 0.4498813

 $00{:}45{:}42.352 \dashrightarrow 00{:}45{:}43.876$ than saying like I think this learner

NOTE Confidence: 0.4498813

 $00{:}45{:}43.876 \dashrightarrow 00{:}45{:}45.296$ has a good clinical reasoning or bad

NOTE Confidence: 0.4498813

 $00{:}45{:}45{.}296 \dashrightarrow 00{:}45{:}46{.}636$ or I trust them or I don't at least

NOTE Confidence: 0.4498813

 $00{:}45{:}46.636 \dashrightarrow 00{:}45{:}48.008$ you can like teach them a little

NOTE Confidence: 0.4498813

 $00:45:48.008 \rightarrow 00:45:49.360$ bit more specifically that way.

NOTE Confidence: 0.46520224

 $00:45:51.600 \rightarrow 00:45:54.408$ And in terms of promoting hypothesis

NOTE Confidence: 0.46520224

 $00{:}45{:}54{.}408 \dashrightarrow 00{:}45{:}56{.}760$ driven history taking and physical exams,

NOTE Confidence: 0.46520224

 $00{:}45{:}56.760 \dashrightarrow 00{:}45{:}59.838$ sometimes I think if they're going

NOTE Confidence: 0.46520224

 $00{:}45{:}59{.}838 \dashrightarrow 00{:}46{:}02{.}042$ into a room like an outpatient to see

NOTE Confidence: 0.46520224

 $00{:}46{:}02.042 \dashrightarrow 00{:}46{:}04.016$ a patient with a certain chief concern NOTE Confidence: 0.46520224

00:46:04.016 --> 00:46:06.292 like right off the bat, I'll say to them,

NOTE Confidence: 0.46520224

00:46:06.292 --> 00:46:08.160 what are you thinking right now just

NOTE Confidence: 0.46520224

 $00{:}46{:}08{.}160 \dashrightarrow 00{:}46{:}10{.}197$ hearing that age and that chief concern,

 $00:46:10.200 \rightarrow 00:46:12.636$ what are some things you're thinking about?

NOTE Confidence: 0.46520224

 $00:46:12.640 \longrightarrow 00:46:15.234$ And then that helps them say, oh, OK,

NOTE Confidence: 0.46520224

00:46:15.234 --> 00:46:17.880 well I'm going to go in and you know,

NOTE Confidence: 0.46520224

00:46:17.880 --> 00:46:19.220 just this, you know,

NOTE Confidence: 0.46520224

 $00{:}46{:}19.220 \dashrightarrow 00{:}46{:}20.794$ ask them questions about this,

NOTE Confidence: 0.46520224

 $00{:}46{:}20.794 \dashrightarrow 00{:}46{:}22.198$ that or the other because I'm

NOTE Confidence: 0.46520224

 $00:46:22.198 \longrightarrow 00:46:23.160$ already thinking of that.

NOTE Confidence: 0.46520224

 $00:46:23.160 \longrightarrow 00:46:25.315$ So that's the other thing

NOTE Confidence: 0.46520224

 $00{:}46{:}25{.}315 \dashrightarrow 00{:}46{:}27{.}120$ that's sometimes is helpful to

NOTE Confidence: 0.74022394

 $00:46:27.280 \longrightarrow 00:46:28.256$ them. That's great, Carol,

NOTE Confidence: 0.74022394

 $00{:}46{:}28.256 \dashrightarrow 00{:}46{:}29.720$ and I do that as well.

NOTE Confidence: 0.74022394

00:46:29.720 --> 00:46:31.730 I can't say enough that clinical

NOTE Confidence: 0.74022394

 $00{:}46{:}31.730 \dashrightarrow 00{:}46{:}33.836$ reasoning is iterative and I don't

NOTE Confidence: 0.74022394

 $00:46:33.836 \longrightarrow 00:46:35.240$ think it necessarily promotes

NOTE Confidence: 0.74022394

 $00{:}46{:}35{.}240 \dashrightarrow 00{:}46{:}36{.}652$ premature closure and anchoring.

NOTE Confidence: 0.74022394

00:46:36.652 --> 00:46:39.040 In fact, I think if you keep learners

- NOTE Confidence: 0.74022394
- $00:46:39.040 \longrightarrow 00:46:40.496$ broad earlier, it can be helpful.

 $00{:}46{:}40.496 \dashrightarrow 00{:}46{:}41.840$ But asking them to start thinking,

NOTE Confidence: 0.74022394

00:46:41.840 --> 00:46:43.484 OK, like what diagnosis he's heading

NOTE Confidence: 0.74022394

 $00:46:43.484 \rightarrow 00:46:44.886$ into this patient with shortness

NOTE Confidence: 0.74022394

 $00:46:44.886 \longrightarrow 00:46:46.434$ of breath do you think about,

NOTE Confidence: 0.74022394

00:46:46.440 --> 00:46:47.893 because then they'll know like, oh,

NOTE Confidence: 0.74022394

 $00{:}46{:}47.893 \dashrightarrow 00{:}46{:}50.237$ I want to ask questions about PE or

NOTE Confidence: 0.74022394

 $00:46:50.237 \rightarrow 00:46:52.800$ want to ask questions about pneumonia.

NOTE Confidence: 0.74022394

 $00:46:52.800 \longrightarrow 00:46:53.142$ That's great.

NOTE Confidence: 0.74022394

 $00:46:53.142 \rightarrow 00:46:54.880$ I love that you do that with your learners.

NOTE Confidence: 0.30947968

 $00{:}47{:}07.760 \dashrightarrow 00{:}47{:}09.734$ Any other tips and tricks from

NOTE Confidence: 0.30947968

 $00:47:09.734 \longrightarrow 00:47:11.998$ the group that you want to share

NOTE Confidence: 0.30947968

00:47:12.000 --> 00:47:14.040 stuff that Y'all are doing already,

NOTE Confidence: 0.30947968

 $00{:}47{:}14.040 \dashrightarrow 00{:}47{:}15.440$ which I'm sure is terrific.

NOTE Confidence: 0.30947968

 $00{:}47{:}17.680 \dashrightarrow 00{:}47{:}19.437$ All right, well, I'll take my leave.

- 00:47:19.440 --> 00:47:21.500 Thank you so much for having me. Panina.
- NOTE Confidence: 0.30947968
- $00{:}47{:}21.500 \dashrightarrow 00{:}47{:}24.000$ Thank you every body for joining.
- NOTE Confidence: 0.30947968
- $00{:}47{:}24.000 \dashrightarrow 00{:}47{:}24.816$ It was a blast.
- NOTE Confidence: 0.30947968
- $00{:}47{:}24.816 \dashrightarrow 00{:}47{:}26.900$ And feel free to reach out if you ever
- NOTE Confidence: 0.30947968
- $00{:}47{:}26{.}900 \dashrightarrow 00{:}47{:}28{.}520$ want to talk about clinical reasoning.
- NOTE Confidence: 0.30947968
- $00{:}47{:}28{.}520 \dashrightarrow 00{:}47{:}29{.}996$ It's my favorite thing to do.
- NOTE Confidence: 0.47928426
- 00:47:30.840 --> 00:47:32.706 Thank you so much for joining
- NOTE Confidence: 0.47928426
- 00:47:32.706 --> 00:47:33.942 us in Pediatrics, especially
- NOTE Confidence: 0.47928426
- $00{:}47{:}33{.}942 \dashrightarrow 00{:}47{:}35{.}754$ since I know you're on service.
- NOTE Confidence: 0.47928426
- $00{:}47{:}35{.}760 \dashrightarrow 00{:}47{:}37{.}128$ So thanks so much.
- NOTE Confidence: 0.47928426
- $00{:}47{:}37{.}128 \dashrightarrow 00{:}47{:}38{.}838$ We all really appreciated it.
- NOTE Confidence: 0.47928426
- 00:47:40.200 --> 00:47:41.559 By
e all. By
e.