

WEBVTT

NOTE duration: "00:02:06.848"

NOTE Confidence: 0.93978345

00:00:01.040 --> 00:00:03.139 Welcome to Yale emergency ultrasound

NOTE Confidence: 0.93978345

00:00:03.199 --> 00:00:04.180 nerve block series.

NOTE Confidence: 0.95713013

00:00:04.559 --> 00:00:05.519 Today, we're going to go

NOTE Confidence: 0.95713013

00:00:05.519 --> 00:00:07.520 over serratus anterior plane block.

NOTE Confidence: 0.95713013

00:00:07.520 --> 00:00:08.559 That way, you're ready to

NOTE Confidence: 0.95713013

00:00:08.559 --> 00:00:10.019 block at your next shift.

NOTE Confidence: 0.9392005

00:00:11.119 --> 00:00:12.320 The first step is to

NOTE Confidence: 0.9392005

00:00:12.320 --> 00:00:13.280 go to the cart by

NOTE Confidence: 0.9392005

00:00:13.280 --> 00:00:15.120 the ultrasound station near a

NOTE Confidence: 0.9392005

00:00:15.120 --> 00:00:15.620 sixteen.

NOTE Confidence: 0.97959083

00:00:16.135 --> 00:00:17.414 On the bottom drawer, you

NOTE Confidence: 0.97959083

00:00:17.414 --> 00:00:19.015 will find premade kits to

NOTE Confidence: 0.97959083

00:00:19.015 --> 00:00:20.314 use for nerve blocks.

NOTE Confidence: 0.9943951

00:00:22.215 --> 00:00:24.134 The kits include a sterile

NOTE Confidence: 0.9943951

00:00:24.134 --> 00:00:24.875 probe cover,
NOTE Confidence: 0.8509001

00:00:25.494 --> 00:00:25.994 chloroprep,
NOTE Confidence: 0.99467

00:00:26.775 --> 00:00:28.875 a saline flush, an echogenic
NOTE Confidence: 0.99467

00:00:29.015 --> 00:00:29.515 needle,
NOTE Confidence: 0.9868945

00:00:29.895 --> 00:00:31.359 a blunt needle, and a
NOTE Confidence: 0.9868945

00:00:31.359 --> 00:00:32.659 ten cc syringe.
NOTE Confidence: 0.9628089

00:00:34.879 --> 00:00:36.079 Because this is a large
NOTE Confidence: 0.9628089

00:00:36.079 --> 00:00:37.440 volume block, make sure to
NOTE Confidence: 0.9628089

00:00:37.440 --> 00:00:38.559 have the patient on the
NOTE Confidence: 0.9628089

00:00:38.559 --> 00:00:39.059 telemonitor
NOTE Confidence: 0.9693462

00:00:39.360 --> 00:00:41.540 before you start. Local anesthetic
NOTE Confidence: 0.9693462

00:00:41.680 --> 00:00:43.680 systemic toxicity is rare but
NOTE Confidence: 0.9693462

00:00:43.680 --> 00:00:44.500 life threatening.
NOTE Confidence: 0.96486366

00:00:45.215 --> 00:00:46.835 Have the patient's weight updated
NOTE Confidence: 0.96486366

00:00:46.894 --> 00:00:48.175 in the chart and use
NOTE Confidence: 0.96486366

00:00:48.175 --> 00:00:50.754 MD Calc, local anesthetic dosing,

NOTE Confidence: 0.96486366
00:00:50.894 --> 00:00:52.655 to calculate the maximum dose
NOTE Confidence: 0.96486366
00:00:52.655 --> 00:00:54.195 allowed for this plain block.
NOTE Confidence: 0.998495
00:00:54.734 --> 00:00:55.854 Make sure to review with
NOTE Confidence: 0.998495
00:00:55.854 --> 00:00:56.515 the pharmacist.
NOTE Confidence: 0.9340736
00:00:57.295 --> 00:00:58.920 For more information on LAST,
NOTE Confidence: 0.9975333
00:00:59.399 --> 00:01:00.760 please review the material in
NOTE Confidence: 0.9975333
00:01:00.760 --> 00:01:02.059 the email sent to you.
NOTE Confidence: 0.97969663
00:01:03.640 --> 00:01:04.920 Now we will use our
NOTE Confidence: 0.97969663
00:01:04.920 --> 00:01:07.020 ultrasound to identify the anatomy.
NOTE Confidence: 0.9971936
00:01:09.640 --> 00:01:11.819 Identify the latissimus dorsi,
NOTE Confidence: 0.91320384
00:01:12.600 --> 00:01:13.740 serratus anterior,
NOTE Confidence: 0.977382
00:01:14.534 --> 00:01:15.994 the ribs, and the pleura.
NOTE Confidence: 0.96711576
00:01:16.534 --> 00:01:17.735 We have two options for
NOTE Confidence: 0.96711576
00:01:17.735 --> 00:01:19.174 this plain block. We can
NOTE Confidence: 0.96711576
00:01:19.174 --> 00:01:20.634 either inject anesthetic
NOTE Confidence: 0.99509716

00:01:21.174 --> 00:01:22.795 under the latissimus dorsi
NOTE Confidence: 0.97080576

00:01:23.415 --> 00:01:25.274 or under the serratus interior
NOTE Confidence: 0.97080576

00:01:25.494 --> 00:01:26.715 on top of a rib.
NOTE Confidence: 0.9972626

00:01:28.069 --> 00:01:29.670 Now let's review the anatomy
NOTE Confidence: 0.9972626

00:01:29.670 --> 00:01:30.810 using our ultrasound.
NOTE Confidence: 0.99928993

00:01:31.590 --> 00:01:33.189 Our indicator is in the
NOTE Confidence: 0.99928993

00:01:33.189 --> 00:01:34.329 transverse orientation
NOTE Confidence: 0.99016553

00:01:34.950 --> 00:01:36.009 towards the operator.
NOTE Confidence: 0.9925469

00:01:36.630 --> 00:01:37.829 The first layer of muscle
NOTE Confidence: 0.9925469

00:01:37.829 --> 00:01:39.130 we see is the latissimus
NOTE Confidence: 0.9862636

00:01:40.314 --> 00:01:41.755 dorsi. Under it, we see
NOTE Confidence: 0.9862636

00:01:41.755 --> 00:01:43.055 the serratus anterior.
NOTE Confidence: 0.9699151

00:01:43.755 --> 00:01:44.795 The rib is seen with
NOTE Confidence: 0.9699151

00:01:44.795 --> 00:01:46.334 a pleural line below it.
NOTE Confidence: 0.9699151

00:01:46.475 --> 00:01:47.994 The two stars indicate our
NOTE Confidence: 0.9699151

00:01:47.994 --> 00:01:50.015 possible locations for this block.

NOTE Confidence: 0.9248705

00:01:51.115 --> 00:01:52.649 Stay sterile, and the assistant

NOTE Confidence: 0.9248705

00:01:52.649 --> 00:01:53.950 should push the syringe.

NOTE Confidence: 0.995824

00:01:54.409 --> 00:01:55.770 Visualize the needle at all

NOTE Confidence: 0.995824

00:01:55.770 --> 00:01:57.369 times. Once your needle is

NOTE Confidence: 0.995824

00:01:57.369 --> 00:01:58.729 in the correct position, have

NOTE Confidence: 0.995824

00:01:58.729 --> 00:02:00.670 your assistant push saline slowly.

NOTE Confidence: 0.93703806

00:02:01.049 --> 00:02:02.509 You should be seeing hydrodissection

NOTE Confidence: 0.99056023

00:02:02.890 --> 00:02:04.110 of the fascial plane.

NOTE Confidence: 0.9190644

00:02:04.490 --> 00:02:05.610 Now you can have the

NOTE Confidence: 0.9190644

00:02:05.610 --> 00:02:06.848 assistant switch to anisone.