

DR. FREDERICK LANE: Good morning. I'm Doctor Fred Lane. I'm a colorectal surgeon in Indianapolis. I'm here to do a hemorrhoidectomy using the Olympus THUNDERBEAT device. I have about a 50-year-old lady who's got three quadrants of hemorrhoids that we're going to do, that we're going to take out, and let's get started.

I'm injecting local now. I'm injecting a long acting agent called Exparel just for post-op control pain. So I'm just basically doing a block around the hemorrhoids here. And then I'm just going to compress them a little bit and get some of that fluid milked in there.

This lady has three hemorrhoids-- one bigger one on the left side and then a couple small ones on the right side. So we're going to be doing a three quadrant hemorrhoidectomy using the THUNDERBEAT. I use what's called a Hill-Ferguson retractor. I trained at the Ferguson Clinic, so I use some Ferguson devices. So I use that to expose the hemorrhoid, and then I'll take it out. And I use an Allis clamp to get a hold of it.

I'm left handed. With this device, the triggers are in the wrong spot, so I use a foot pedal with it. And I use a harmonic feature for the outside part, and it moves along very nicely and quickly through the tissues, as you can see. Because it's got a little thermal spread, I try and stay fairly close and not get a huge swath of hemorrhoid tissue.

So I keep working and I'll get the muscle down out of my way as I go. Thanks, [INAUDIBLE]. And then we work our way up toward the pedicle.

This is one of our smaller hemorrhoids, so we're not taking a huge piece out here. And then as I get to the pedicle, I'll pre-seal it. I'll treat it with a pre-seal first and then I'll cut through it. That just makes sure that the pedicle stays nice and dry.

And you can see we've taken it out, gotten the pedicle. It's pretty nice and dry there. And then we'll move on to the second quadrant, which again is fairly small. There are bigger ones on the left.

This is a smaller quadrant, so we won't take quite as much out of this one, and we'll pre-treat the pedicle. And you can see this one's quite a bit bigger, especially on the outside. So we use the THUNDERBEAT on Harmonic mode out here, on vibrate mode out here.

And here, you can get a little bit better look. You can see the muscles that I'm pushing down and away there. And then we'll just kind of keep working up the side of the hemorrhoid. Just a little bit there. That's good.

And you can see the muscle tissue just kind of being dissected away. Working up toward the pedicle, and just working the way up, again taking the muscle down, leaving the muscle intact underneath. And if I get up to the pedicle, I'll seal first, and then I'll go through it.

And once again, it gives you a nice dry feel, the muscles left intact. She's got a little bit of extra tissue up here on top that I'm going to take. We've been not taking much tissue on the other side, so I'll take a bogie. And so basically, at this point, then we've got that one removed.

She's still got one little place that's a little oozy down here that we'll touch up, and then I tend to do these open. I usually will take a look at the pedicle, and if it's 100% dry, then I leave it alone. Sometimes even with this device, there's a little bit of oozing at the pedicle, but right now it looks like it's completely dry.

She's got plenty of space between those quadrants, so we're going to just take a little bit extra here.

Take one last look for hemostasis, and I think we may be done. That one looks nice and dry, very hemostatic.

First one we did is completely hemostatic as well, and then the third one is nice and dry as well.