

WEBVTT Kind: captions Language: en

00:00:04.671 --> 00:00:06.965 - Because we walk around, stand

00:00:06.965 --> 00:00:11.428 and to various activities standing during our regular daily lives.

00:00:11.594 --> 00:00:14.681 Gravity always tend to pull the blood to the lower extremity

00:00:15.098 --> 00:00:17.767 and the only reason why blood continues

00:00:17.767 --> 00:00:21.813 to go up to the heart against gravity is because of the valves in the veins

00:00:22.355 --> 00:00:25.483 and the valves in the veins promote the blood to go

00:00:25.567 --> 00:00:28.111 from the legs back to the heart.

00:00:28.987 --> 00:00:33.199 Valves are very important to maintain lower

00:00:33.199 --> 00:00:36.953 pressure in the system and allow one directional flow.

00:00:36.953 --> 00:00:41.458 But if they failed there's a two directional flow,

00:00:41.458 --> 00:00:44.794 which is abnormal flow back towards what came from.

00:00:48.381 --> 00:00:51.801 Chronic Venous Insufficiency is a very common condition.

00:00:52.010 --> 00:00:55.221 It affects a third of the adults in the United States.

00:01:06.066 --> 00:01:12.072 There's a variety of problems that can affect the venous system, that can cause Chronic Venous Insufficiency.

00:01:12.072 --> 00:01:18.495 Valve problems are one group of the physiological processes that affect patients with venous insufficiency,

00:01:19.287 --> 00:01:23.166 and we have a variety of treatment to treat superficial venous reflux,

00:01:23.166 --> 00:01:26.211 which is abnormal valves in the superficial veins.

00:01:26.711 --> 00:01:33.259 But so far we have not had any surgical treatment for deep valvular reflux.

00:01:35.136 --> 00:01:38.264 These patients have high blood pressure in their venous system,

00:01:38.264 --> 00:01:42.227 and so that can lead to skin problems, even ulcers

00:01:42.727 --> 00:01:46.731 and the worst case, they can have severe infections in these ulcers.

00:01:47.398 --> 00:01:50.860 They have constant pain in the leg, which is very uncomfortable,

00:01:50.860 --> 00:01:57.909 oftentimes to the point then they actually have to quit their jobs and become disabled.

00:02:01.663 --> 00:02:09.337 The SAVVE Trial, SAVVE is an acronym for Surgical Antireflux Venous Valve Endoprosthesis

00:02:09.337 --> 00:02:15.552 SAVVE basically brings a totally novel treatment to deep valvular disease.

00:02:15.677 --> 00:02:18.680 It allows us to implant a bioprosthesis.

00:02:20.390 --> 00:02:23.768 It's a metal frame that contains

00:02:23.768 --> 00:02:28.857 a surgically sutured, porcine cardiac valve on it,

00:02:28.857 --> 00:02:33.611 and basically it helps the blood flow to go back up when it's implanted in this position

00:02:33.903 --> 00:02:36.948 and when the blood tries to go down back to the legs

00:02:36.948 --> 00:02:40.827 because of gravity, that valve opens up and halts it.

00:02:40.952 --> 00:02:44.914 And with this happening, there's less blood reflux

00:02:45.373 --> 00:02:47.584 back to the legs and staying in the legs.

00:02:50.211 --> 00:02:51.963 The procedure is relatively simple.

00:02:51.963 --> 00:02:56.634 It does involve an incision in the middle of the thigh where we expose the femoral vein

00:02:57.010 --> 00:03:00.722 and then the valve is surgically implanted into the vein.

00:03:01.306 --> 00:03:03.766 By that I mean that there's a small incision made in the vein.

00:03:03.766 --> 00:03:08.688 The valve is implanted and then sutured in place and then the incision is closed

00:03:08.897 --> 00:03:12.233 and the patient recovers for probably about 1 to 2 days,

00:03:12.483 --> 00:03:15.278 hopefully one day in the hospital before going home.

00:03:18.615 --> 00:03:21.826 Gravity is really your enemy in that disease.

00:03:22.243 --> 00:03:26.623 The SAVVE Trial brings in totally new and a game changer

00:03:26.873 --> 00:03:31.628 for patients with deep venous incompetence and valvular problems.

00:03:32.378 --> 00:03:34.464 Our hope is that we can actually

00:03:34.672 --> 00:03:37.091 get the patient almost to a cure

00:03:37.717 --> 00:03:41.054 so that they no longer have to contend with the high venous pressure

00:03:41.054 --> 00:03:43.932 as you see in chronic venous insufficiency.

00:03:44.265 --> 00:03:49.687 If you have wounds in the leg, you have swelling, physical for evaluation,

00:03:50.647 --> 00:03:52.148 you may be a candidate and it

00:03:52.148 --> 00:03:55.568 really will improve the quality of life.

00:03:57.237 --> 00:04:00.740 We're able to help you as a patient to fight the gravity

00:04:00.949 --> 00:04:04.911 and get your blood going back to the heart as it should normally go.