

Management of Labial Veins (leg veins of pelvic origin)

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Veith Meeting 2024 NYC







Occur in at least 2 Seem to be cause or lilac viens. Incr

Vulvar Varices in Pregnancy

MGI

- Occur in at least 2% (or more) of pregnant women
 Seem to be caused from gravid uterus compressing IVC and/ or tilac viens. Increased blood volume and hormonal factors also have a role.
- May cause extensive hemorrhage during delivery if they rupture (although hemorrhage is rare)
- Can be an indication for C. Section if very large ?? (no consensus)
- Seem to shrink during 2nd stage of labor (when fetal head descends)
- Marked regression post partum occurs spontaneously

Furuta et al Eur J of Obstetrics and Gynecology 2013



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Conservative measures: Labial Veins

- Role of Hormone Impregnated IUD's - Anecdotal evidence of improvement in symptoms
 - Needs further research
- Compression stockings for lower extremities
- 20-30 mm Hg recommended, or as tolerated for symptoms
 This helped reduce such symptoms as heaviness and swelling of the vulvar labial region
- Micronized Purified Flavonoid Treatment (MPFF) venotonic drug May play a role in reducing symptoms International Journal of Women's Health 2017

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Labial veins and leg veins coming from Pelvic Origin



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A comprehensive ultrasound approach to lower limb varicose veins and abdominal-pelvic connections

Connections Fonilda Souto Barros, MD, a Joana Storino, MSc,b Nathalia Almeida Cardosa da Silva, MSc, MD, c Francine Preita Fernandes, MD d Manuella Barreto Silva, MD, d and Ariadne Bassetti Soares, MD, e Vitária, Bella Hariozante, São Luís, and Salvador, Brazil JVS-VL 2024

мĜн Full history of PE, guided pelvic imaging, use SVP staging -PELVIC INVESTIGATION PROTOCOL For Vulvar veins: Investigation of pelvic leak points. > Standing position > Reflux in the PEPs induced with the Valsalva maneuver > Linear transducer used for PEP's > Directed by physical exam 1. Vascular ultrasound of the lower limbs and transp To select patients with lower limb varicose veins that connect to the pelvic territory through livic escape points using the transperincal ultrasound approach.
 To identify the pelvic escape points (Inguinal, Perincal, Glutcal, and Obturator). ninal vascular ultrasound 2.1 To evaluate the presence of iliac and renal venous compression 2.2 To evaluate the gonadal and internal iliac veins.
2.3 To assess the patency of the inferior vena cava and iliac axis. The PEPs and the anatomic relationships are mapped between pelvic vein pathology and leg veins p 3. Tran waginal vascular ultrasound 3.1 To identify the presence of peri-uterine varicose veins. 3.2 To assess the flow in the gonadal and internal iliac veins. 3.3 To assess the patency of these vessels.





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Perineal point (P point) The transducer was positioned at the junction of the posterior one-quarter and anterior three-quarters laterally to the labil majora, close to Alcock's canal, where the perineal views continue after receiving the labilal tributaries, thus connecting the labilat inbutaries, thus connecting the internal and external pudendal systems. Slight movements are made in a medial direction towards the pubis with the thigh slightly flexed



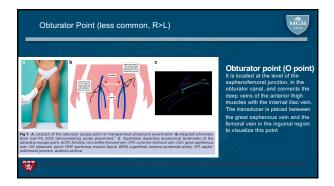
Gluteal Escape points 13%, R>L



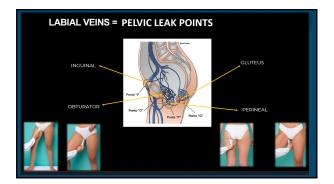
Gluteal point (G point)

MGH

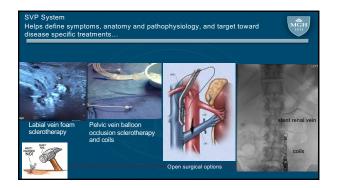
Gluteal point or point, in the greater sciate note, the superior gluteal vein passes above the piriformis muscle, whereas the piriformis muscle, and the gluteal point is located along the intrapelvic, passage of the gluteal veins. The venous plexus of the sciatic nerve whereas plexus of the sciatic nerve venous plexus of th can be seen in the t of the thigh and is ed hy

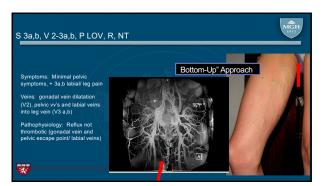


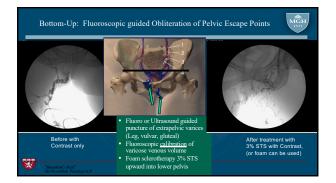


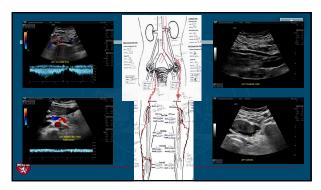


A Report of the Ame	rican Vei	n & Lymphatic Society I	nterna	tional Working Group o	n Pelvic V	enous Disorde	
		(S) SYMPTOMS		(V) VARICES		(P) PATHOPHYSIOLOGY	
A set of the set of th	S _o	No symptoms	vo	No abdominal, pelvic, or pelvic origin extra-pelvic varices		IVC Left renal vein Gonadal vein Common iliac vein External iliac vein Internal iliac vein Pelvic escape vein	
	S ₁	Renal symptoms of venous origin			Anatomy		
		Chronic pelvic pain of	V 1	Renal hilar varices			
	-	venous origin	V ₂	Pelvic varices			
	S ₃	Extra-pelvic symptoms of venous origin	V _x	Pelvic origin extra-pelvic varices			
	- a	Localized symptoms associated with veins of the	a Genital varices (vulvar varices and varicocele)		Obstruction (O)		
	a	external genitalia			dynamics	Reflux (R)	
	ь	Localized symptoms associated with pelvic origin non-saphenous leg veins	ь	Pelvic origin lower extremity varicose veins arising from pelvic escape points, extending into the thigh.	Etiology	Thrombotic (T) Non-thrombotic (NT) Congenital (C)	
	c	Venous claudication					











Ultrasound guided (or vein light guided) foam sclerotherapy

- Office procedure, vein light or ultrasound guided (or fluoro if available)
- Access: 30 g needle, or butterfly
- 1% polidocanol liquid, or foam 1:4 ratio with air
- Usually requires assistant, patient in frog-leg position, Trendelenburg
- Done simultaneously with leg vein procedures prn
- Stockings and compression shorts/ Spanx or V-supporter for two weeks
 Normal activities, as tolerated (can avoid heavy lifting?)
- Repeat treatments as needed (intraluminal thrombus usually resolves)

