

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Lower Extremity Chronic Venous Disease**

Literature Search Performed on: 01/11/2019

Beginning Date: January 2014

End Date: December 2018

Database: Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily <1946 to January 10, 2019>

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**Search Strategy**

- 1 \*Endovascular Procedures/ and \*Laser Therapy/ and \*Saphenous Vein/ and \*Varicose Veins/ (38)
- 2 Ultrasonography, Interventional/ and (Saphenous Vein/dg or Iliac Vein/dg) (225)
- 3 1 or 2 (262)
- 4 limit 3 to (abstracts and english language and humans and yr="2014 -Current") (76)
- 5 limit 4 to case reports (9)
- 6 4 not 5 (67)

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Literature Search Performed on: 10/22/2018

Beginning Date: January 2013

End Date: September 2018

Database: Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily <1946 to October 18, 2018>

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**Search Strategy**

- 1 May-Thurner Syndrome/ (124)
- 2 iliac vein stent.mp. (36)
- 3 Chronic deep vein thrombosis.mp. (29)
- 4 Venous Thrombosis/ (23572)
- 5 Iliac Vein/ (3943)
- 6 1 or 3 or 4 (23666)
- 7 2 and 5 and 6 (14)
- 8 6 or 7 (23666)
- 9 Lower Extremity/ (15661)
- 10 treatment.mp. (4359470)
- 11 therapy.mp. (4697892)
- 12 8 and 9 and (10 or 11) (372)
- 13 limit 12 to (abstracts and english language and humans) (251)
- 14 limit 13 to yr="2013 -Current" (134)
- 15 limit 14 to "all child (0 to 18 years)" (22)
- 16 14 not 15 (112)
- 17 remove duplicates from 16 (112)

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Literature Search Performed on: 10/22/2018

Beginning Date: January 2011

End Date: September 2018

Database: Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily <1946 to October 18, 2018>

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**Search Strategy**

- 1 May-Thurner Syndrome/ (124)
- 2 iliac vein stent.mp. (36)
- 3 Chronic deep vein thrombosis.mp. (29)
- 4 Venous Thrombosis/ (23572)

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- 5 Iliac Vein/ (3943)
- 6 1 or 3 or 4 (23666)
- 7 2 and 5 and 6 (14)
- 8 6 or 7 (23666)
- 9 Lower Extremity/ (15661)
- 10 treatment.mp. (4359470)
- 11 therapy.mp. (4697892)
- 12 8 and 9 and (10 or 11) (372)
- 13 limit 12 to (abstracts and english language and humans) (251)
- 14 limit 13 to yr="2013 -Current" (134)
- 15 limit 14 to "all child (0 to 18 years)" (22)
- 16 14 not 15 (112)
- 17 Venous Insufficiency/ (6122)
- 18 pelvic congestion syndrome.mp. (212)
- 19 Gonads/ (8432)
- 20 PELVIS/ (21369)
- 21 SCLEROTHERAPY/ (5080)
- 22 Pelvic pain.mp. or Pelvic Pain/ (9932)
- 23 gonadal vein embolization.mp. (6)
- 24 (19 or 20) and 17 (64)
- 25 Veins/ (31676)
- 26 22 and 25 (48)
- 27 18 or 21 or 23 or 24 or 26 (5352)
- 28 limit 27 to (abstracts and english language and humans) (3204)
- 29 limit 28 to yr="2011 -Current" (1028)
- 30 limit 29 to "all child (0 to 18 years)" (302)
- 31 29 not 30 (726)
- 32 Female/ (8063007)
- 33 31 and 32 (433)
- 34 Varicose Veins/ (13377)
- 35 33 and 34 (136)
- 36 remove duplicates from 35 (136)

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Literature Search Performed on: 04/04/2018

Beginning Date: January 2011

End Date: March 2018

Database: Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) <1946 to Present>

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**Search Strategy**

- 1 Venous Insufficiency/ (5954)
- 2 Venous Insufficiency/ (5954)
- 3 1 and 2 (5954)
- 4 Superficial Venous Disease.tw. (41)
- 5 PHLEBITIS/ (3613)
- 6 Varicose Veins/ (13180)
- 7 Pelvic Congestion Syndrome.tw. (196)
- 8 Pelvic Congestion Syndrome.tw. (196)

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- 9 Venous ulcer.tw. (638)
- 10 May-Thurner Syndrome/ (100)
- 11 Nutcracker syndrome.tw. (307)
- 12 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 (21956)
- 13 Compression Therapy.tw. (1272)
- 14 Foam sclerotherapy.tw. (465)
- 15 Compression sclerotherapy.tw. (89)
- 16 Endovenous ablation.tw. (170)
- 17 Microphlebectomy.tw. (12)
- 18 Surgical venous stripping.tw. (1)
- 19 Iliac vein stenting.tw. (55)
- 20 Left renal vein transposition.tw. (15)
- 21 Left renal vein stenting.tw. (3)
- 22 Ovarian vein embolization.tw. (17)
- 23 Iliac vein embolization.tw. (1)
- 24 Lower extremity catheter directed thrombolysis.tw. (1)
- 25 Lower extremity catheter directed thrombectomy.tw. (0)
- 26 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 (2031)
- 27 Duplex Venous Ultrasound.tw. (5)
- 28 CT venography.tw. (295)
- 29 MR venography.tw. (455)
- 30 Intravascular ultrasound.tw. (6540)
- 31 Catheter venography.tw. (55)
- 32 CEAP.mp. (874)
- 33 27 or 28 or 29 or 30 or 31 or 32 (8168)
- 34 12 and 26 and 33 (103)
- 35 lower extremity/ or buttocks/ or foot/ or knee/ or leg/ or thigh/ (123493)
- 36 12 and 26 (817)
- 37 33 or 36 (8882)
- 38 exp Diagnostic Imaging/ (2406833)
- 39 12 or 26 (23170)
- 40 33 and 39 (717)
- 41 33 or 38 (2408611)
- 42 39 and 41 (6222)
- 43 35 and 42 (1291)
- 44 limit 43 to (abstracts and english language and humans and yr="2011 -Current") (122)
- 45 limit 44 to "all child (0 to 18 years)" (16)
- 46 44 not 45 (106)
- 47 limit 46 to case reports (9)
- 48 46 not 47 (97)
- 49 remove duplicates from 48 (97)
- 50 limit 49 to "review" (17)

**Summary**

Source	#Unique Refs	#Retained Refs
Old bibliography	0	0
Literature Search(es)	349	43
Author Added	41	38

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Supporting Docs	1	1
Total		82

References from the literature search that were not retained had a poor study design, were not relevant to the topic, or had unclear or biased results.