Venous & Lymphatic Medicine Certification Exam
Content Summary
(Percentages are approximations and may vary slightly on the exam)

1) BASIC SCIENCE (8%)
   a) Anatomy & Embryology
      i) Histology
      ii) Macroscopic Anatomy
      iii) Embryology
   b) Physiology
      i) Function
      ii) Normal venous hemodynamics
      iii) Venous pumps
      iv) Coagulation
      v) Lymphatic system

2) VENOUS DISEASES AND SYNDROMES (20%)
   a) Chronic Venous Disorder
   b) Chronic Venous Insufficiency
   c) Recurrence
   d) Venous Obstruction
   e) Pelvic Venous Congestion
   f) Thromboembolism (SVT/DVT/Other)
   g) Venous/vascular & Miscellaneous syndromes
   h) Lymphedema
   i) Venous Tumors

3) DIAGNOSTIC TOOLS AND SCREENING (10%)
   a) Continuous Wave Doppler
   b) Plethysmography
   c) Ankle-brachial index
   d) Peripheral arterial evaluation (other)
   e) Venous thromboembolism screening
   f) CEAP Classification
   g) VCSS
   h) QOL instrument

4) DUPLEX ULTRASOUND AND OTHER IMAGING MODALITIES (25%)
   a) Duplex Ultrasound
      i) Instrumentation
      ii) Ultrasound physics
      iii) Ultrasound safety
      iv) Ultrasound interpretation
      v) Limitations
      vi) Quality Assurance
   b) Other Imaging Modalities
      i) MR
      ii) CT
      iii) Venography
      iv) Transillumination
      v) Lymphoscintigraphy
      vi) Other
5) TREATMENT/THERAPY (35%)
   a) Pharmacologic agents and wound care
   b) Compression therapy
   c) Anesthesia techniques
   d) Sclerotherapy
   e) Duplex-guided endovenous chemical ablation
   f) Ambulatory phlebectomy
   g) Endovenous thermal ablation
   h) Cutaneous laser surgery
   i) Surgery (other than Ambulatory phlebectomy)
   j) Management of recurrent varicose veins
   k) Management of pelvic venous insufficiency
   l) Principles in managing venous/lymphatic malformations and anomalies
   m) Deep venous reflux and/or obstruction
   n) Prophylaxis of venous thromboembolism
   o) Management of SVT/DVT/Other
   p) Complications of Venous Procedures
   q) Management of chronic venous insufficiency

6) PROFESSIONAL STANDARDS (2%)
   a) Ethics Training
   b) Vascular Laboratory development
   c) Documentation and Billing for venous disease
   d) Informed consent
   e) FDA, Off-label use
   f) Quality Assurance, Quality Improvement
   g) Research design and analysis
   h) Referral to other specialists

Approx. 200 Exam Questions

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<th>SECTION</th>
<th>TOPIC</th>
<th>PERCENT</th>
<th># of Items</th>
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<tr>
<td>1</td>
<td>Basic Science</td>
<td>8%</td>
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<tr>
<td>2</td>
<td>Venous Diseases and Syndromes</td>
<td>20%</td>
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<td>3</td>
<td>Diagnostic Tools and Screening</td>
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<td>4</td>
<td>Duplex Ultrasound and Other Imaging Modalities</td>
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<td>Treatment/Therapy</td>
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<td>6</td>
<td>Professional Standards</td>
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