Purchasing the VESAP4 comprehensive package provides access to all 10 VESAP4 modules, in learning and exam mode, for $201 less than the cost of purchasing all modules individually.

**Subject Area Modules**

Click here to ACCESS VESAP4

Modules can also be purchased individually. The pricing per module is

- **Member:** $75
- **Candidate:** $65
- **Non-member:** $85

<table>
<thead>
<tr>
<th>Module</th>
<th>Learning Objectives</th>
<th>Questions</th>
<th>CME Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cerebrovascular Disease</td>
<td>- Identify anatomy related to the extracranial carotid artery and vertebral artery systems.</td>
<td>50 Questions</td>
<td>7.5</td>
</tr>
<tr>
<td>Module</td>
<td>Learning Objectives</td>
<td>Questions</td>
<td>CME Credits</td>
</tr>
<tr>
<td>------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-----------</td>
<td>-------------</td>
</tr>
</tbody>
</table>
| Upper Extremity Vascular Disease | • Describe the correct diagnosis and medical management of disorders involving the extracranial carotid artery and vertebral artery.  
• Explain the indications for surgical or endovascular interventions for these disorders.  
• Discuss recognition, natural history, and decision-making capabilities pertinent to the management of patients with vascular disorders of the upper extremity.  
• Describe the normal and anomalous anatomy of the aortic arch and origin branches and the clinical and surgical implications of those differences as it relates to patient management.  
• Recognize the clinical and surgical implications of differences in the aortic arch and origin branches as it relates to patient management. | 50 Questions | 7.5         |
| Dialysis Access Management   | • Identify optimal strategies to choose the appropriate hemodialysis access to place in a patient.  
• Describe various complications in hemodialysis accesses and their management.                                                                                                                   | 54 Questions | 7.5         |
<p>| Aortic and Iliac Arterial Disease | • Describe the modern operative and non-                                                                                                              | 51 Questions | 7.5         |</p>
<table>
<thead>
<tr>
<th>Module</th>
<th>Learning Objectives</th>
<th>Questions</th>
<th>CME Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>operative management of various pathologies affecting the human aorta to include injury, aneurysm, dissection, occlusion, infection and anatomic variants.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Discuss the various complications that can be associated with attempted treatment of aortic pathology.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Discuss the successful medical or surgical management of aortic pathology and their complications.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Renal and Mesenteric Vascular Disease</td>
<td>• Identify the most appropriate management approaches for atherosclerotic renal artery stenosis, fibromuscular dysplasia of the renal arteries, renal artery dissection, renal artery aneurysm, and arteriovenous fistulae of the kidney.</td>
<td>50 Questions</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td>• Review the management strategy for acute and chronic mesenteric ischemia, spontaneous dissection of the superior mesenteric artery or celiac artery, mesenteric artery aneurysms, and mesenteric venous thrombosis.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower Extremity Vascular Disease</td>
<td>• Review the spectrum of lower extremity arterial occlusive diseases, including their</td>
<td>49 Questions</td>
<td>7.5</td>
</tr>
<tr>
<td>Module</td>
<td>Learning Objectives</td>
<td>Questions</td>
<td>CME Credits</td>
</tr>
<tr>
<td>------------------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-----------</td>
<td>-------------</td>
</tr>
</tbody>
</table>
|                              | pathophysiology, presentation, diagnosis and medical, endovascular and open surgical management techniques.  
  • Explain lower extremity arterial conditions, including acute arterial occlusion, lower extremity arterial aneurysms, lower extremity vascular trauma, and other miscellaneous lower extremity arterial conditions, including their pathophysiology, diagnosis and management. |            |             |
| Venous and Lymphatic Disease | • Recognize the pathophysiology of acute and chronic venous disease.  
  • Explain the benefits of anticoagulation and thrombolysis for acute venous thromboembolism.                                                                                                                                                                                                 | 50 Questions | 7.5         |
| Vascular Medicine            | • Recognize the evaluation and management of vasculitides, disorders of coagulation, and other non-atherosclerotic vascular diseases.  
  • Identify current pharmacologic therapies for lipid disorders, metabolic diseases, hypertension, foot infections, symptomatic peripheral artery disease, and other                                                                                                                                 | 53 Questions | 7.5         |
Module | Learning Objectives | Questions | CME Credits
--- | --- | --- | ---
Vascular Diagnosis | Discuss the basic principles of ultrasound physics and their application to vascular ultrasound and recognize common imaging and Doppler artifacts encountered in the vascular laboratory. Identify interpretation skills applying standard diagnostic criteria for the diagnosis of cerebrovascular, visceral and peripheral artery stenosis (pre- and post-intervention) using duplex ultrasound. | 50 Questions | 7.5
Radiation Safety | Describe methods to reduce radiation exposure during fluoroscopic procedures. Review safe operation of fluoroscopic equipment. | 50 Questions | 7.5

Objectives

Upon completion of VESAP4, participants should be able to:

- Demonstrate of clinical and surgical vascular knowledge using evidence-based resources
- Demonstrate the application of vascular knowledge through performance-based clinical scenarios
- Demonstrate mastery of current vascular evidence-based knowledge and skills

Target Audience

VESAP4 is an invaluable aid for vascular surgeons in preparing for the qualifying, certification, and recertification examinations in vascular surgery and to remain current in the specialty of vascular surgery and endovascular therapy.

Vascular residents and fellows will find it a useful study aid for their ABSITE or VSITE examinations. Interventional radiologists, cardiologists, vascular medicine specialists, and allied health care professionals focusing on vascular diseases may use VESAP4 self-assessment to keep abreast of the current practice of vascular surgery and...
endovascular therapy.

Accreditation

The Society for Vascular Surgery is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Designation of Credit for VESAP4 Comprehensive Package

The Society for Vascular Surgery designates this enduring material for a maximum of 75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Designation of Credit for VESAP4 Module

The Society for Vascular Surgery designates this enduring material for a maximum of 7.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Original Release Date

August 2017

Expiration Date

VESAP4 will expire 3 years after the release date. CME credit and the VESAP4 program, including all content, will no longer be available after this date.