



DVT – Lower Extremity

Course Category: Core Clinical Module



DVT - Lower Extremity: Core Clinical Module

- **Lesson: Introduction**
 - Background
 - Epidemiology
 - Pathogenesis
 - Risk Factors
 - Clinical Presentation
 - Phlegmasia Alba & Phlegmasia Cerulea Dolens
 - Differential Diagnosis
 - Diagnostic Imaging
- **Lesson: Normal Anatomy & Physiology**
 - Venous Gross Anatomy: Lower Extremity
 - Deep Venous System: Iliac Veins
 - Deep Venous System: Common Femoral & Femoral Veins
 - Deep Venous System: Profunda Femoris Vein
 - Deep Venous System: Popliteal Vein
 - Deep Venous System: Tibioperoneal Trunk & Tibial Veins
 - Deep Venous System: Gastrocnemius Veins & Soleal Plexus
 - Superficial Venous System: Greater Saphenous Vein



- Superficial Venous System: Lesser Saphenous Vein
- Anatomy: Venous Valves
- Venous Physiology
- Venous Wall Regulation
- **Lesson: Sonographic Anatomy**
 - Venous Anatomy
 - Venous Compressibility
 - Venous Sonographic Characteristics
 - Spontaneous & Nonpulsatile Blood Flow
 - Respirophasic Flow
 - Respirophasic Flow: Valsalva Maneuver
 - Unidirectional & Augmentable Flow
 - Thrombus Categorization
 - Acute DVT
 - Chronic DVT
 - Recurrent DVT
- **Lesson: Sonographic Technique**
 - Transducer Selection
 - Patient Positioning & Imaging Technique
 - Short-Axis View Imaging
 - Long-Axis View Imaging
 - Color & Power Doppler Imaging
 - Pulsed-Wave Doppler Imaging
 - Imaging Iliac Veins
 - Imaging Proximal Thigh Veins
 - Imaging Middle & Distal Thigh Veins
 - Imaging Popliteal Veins
 - Imaging Calf Veins
- **Lesson: POCUS DVT Examination**
 - Imaging Protocols
 - Background
 - Femoral Region
 - Greater Saphenous Vein
 - Popliteal Region
 - Infrapopliteal Region
 - Image Documentation
 - Embolization Risk
- **Lesson: Case Studies**
 - Common Femoral Vein DVT
 - Deep Femoral (Profunda Femoris) DVT
 - Deep Femoral (Profunda Femoris) DVT



- Free-Floating Thrombus
- Popliteal Vein DVT
- Infrapopliteal DVT
- Superficial Vein Thrombosis
- Pelvic Veins
- Inguinal Lymph Node
- Baker's Cyst
- Calf Hemorrhage
- Acute vs. Chronic DVT
- **Lesson: Management**
 - Proximal DVT
 - Distal DVT
 - Distal DVT Surveillance
 - Anticoagulation Regimen
- **Lesson: Imaging Tips & Pitfalls**
 - Optimize Compression
 - Understand Role of Doppler
 - Recognize Anatomic Variants
 - Incomplete Compression: Alternative Conditions
- **Lesson: Summary**
 - Course Summary