

Ultrasound of Advanced Renovascular Disease

Stenosis, end stage renal disease, dialysis access, and renal transplant

Course Description

This Philips Clinical Education full-day course for noninvasive vascular ultrasound technologists is developed to meet the climbing need to standardize performance protocols and diagnostic criteria for noninvasive evaluation of renal pathologies.

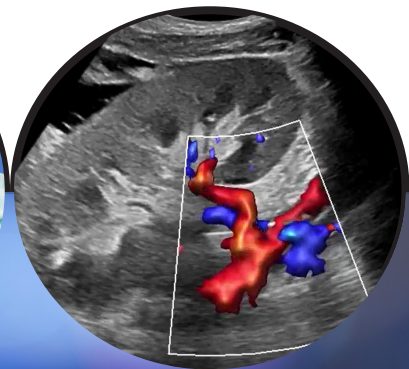
The course includes lectures, interactive case study presentations and a hands-on scanning session. Program topics include a brief review of renal anatomy and physiology, pathophysiology of and sonographic evaluation of renal artery stenosis, chronic and end-stage renal disease, dialysis access arterio-venous fistula evaluation and renal transplantation.

Preoperative and postoperative noninvasive vascular testing protocols and diagnostic criteria with case study correlations including DSA angiography, CTA and MRA will also be presented.

Course Objectives

Upon successful completion of the program, attendees will be able to:

- Demonstrate the appropriate knowledge of anatomy, physiology, pathophysiology and general approach for disease management
- Demonstrate different imaging protocols and diagnostic criteria used for duplex sonography renal artery and renal artery stenosis, hemodialysis access AVF, renal transplants and its complications.
- Describe the appropriate algorithm for the preoperative workup.
- Understand important observations recorded while performing postoperative ultrasonography examination.
- Understand the most common causes of renal transplant failure including acute tubular necrosis (ATN), rejection (hyperacute, acute, and chronic), and drug toxicity and its clinical presentation as well as ultrasound finding associated such complications.



Ultrasound of Advanced Renovascular Disease (Vasc 380)

In today's competitive and dynamic healthcare climate, it is critical to use your medical imaging systems to their fullest potential. Our goal at Philips Healthcare is to provide the clinical education you need to make the most of your equipment investment.



Clinical Learning Journeys

Relevant learning. Flexible experiences. Measureable outcomes.



Prerequisite

This course is intended for either practicing sonographers or physicians with prior scanning experience who want to learn advanced imaging of renal artery stenosis, dialysis access, and renal transplant. The attendee must be a practicing sonographer or physician with prior duplex imaging experience and a firm understanding of abdominal and peripheral vascular anatomy.

Facilitators and Speakers



Muhammad Hasan, MD, MBBCh, RPVI, RVT

Director of Cardiovascular Clinical Education, Credentialing and Accreditation Baptist Health, South Florida. Graduate of Faculty of Medicine, Cardiovascular Medicine, Cairo University. Intersocietal Accreditation Commission (IAC) Vascular Testing Board of Directors representing the American Institute of Ultrasound in Medicine (AIUM)

For more information

Contact Philips Ultrasound Clinical Education at 800.522.7022 and visit our education catalog at www.learningconnection.philips.com/ultrasound

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