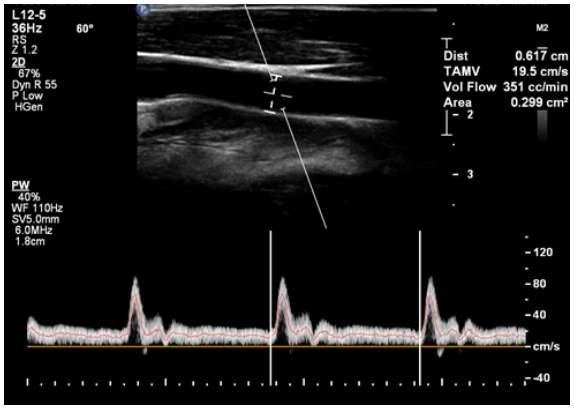
PHILIPS

Clinical Education

Dialysis Access Ultrasound:

Planning, Placement and Maintenance

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.



Establishment and maintenance of a well-functioning arteriovenous access is crucial to the survival of patients with end-stage renal disease (ESRD). Duplex ultrasound (DUS) has applications pre-operatively, intra-operatively and post-operatively for successful planning, placement, and maintenance of the hemodialysis access. The complex duplex ultrasound assessments associated with hemodialysis access planning, placement, and maintenance require completeness and accuracy to ensure patients receive the most appropriate interventions and are essential in guiding the surgeon/interventionalists decision making process. This course is intended to help prepare the sonographer to perform these exams more confidently.

To this end, this course will provide attendees the opportunity to spend a day with Patricia (Tish) Poe, BA RVT who will share her knowledge and experience in the range of studies applicable to patients needing hemodialysis treatments. She will share a blend of didactic and case study lecture to improve the skills of the attendees in pre-operative vessel mapping and post-placement assessment of a variety of dialysis access conduits. The course will cover the historical development of dialysis access and the role of DUS studies, vascular anatomy relevant to access placement options, protocols for pre-operative mapping and post-operative assessment of access function, and DUS interpretation criteria recommendations to optimize establishment and maintenance of these lifelines.

Dialysis Access Ultrasound (VASC360)

Patricia Poe, BA, RVT, FSVU

"Whatever we can learn and do to bring quality care to our patients whose lives are changed so deeply with a diagnosis of chronic kidney disease is important, challenging and rewarding work. Helping to guide this care with duplex ultrasound has been a truly meaningful part of my career in the Vascular Laboratory"

Course objectives

Upon completion of this course, the learner should be able to:

- Describe the history of hemodialysis for the treatment of renal failure
- Identify the various types of hemodialysis access
- Explain the vasculature associated with placement of hemodialysis access conduits
- Demonstrate ability to recognize sonographic anatomy and hemodynamics necessary to complete pre-procedure vessel mapping
- Describe the normal appearance of dialysis fistulae and grafts on duplex ultrasound images using B-mode, color Doppler and Doppler velocity waveform analysis
- Recognize abnormal duplex findings and common complications associated with dialysis fistulae and grafts
- Utilize protocols and criteria for pre-op vessel mapping and post-op evaluation of dialysis fistulae and grafts

Audience

Course designed for sonographers or physicians interested in learning how to complete ultrasound assessment associated with hemodialysis access

Faculty

- Patricia Poe, BA, RVT, FSVU
- Philips Clinical Service Specialists

Locations

Course may be held in Philips central locations in Alpharetta, Georgia; Bothell, Washington; and Cleveland, Ohio. Other locations may be offered.

For more information

Contact a Philips ultrasound clinical services coordinator at 800-522-7022 and visit our education catalog at www.learningconnection.philips.com/ultrasound

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