

## Ultrasound Guided Vascular Access Course.

Mid-Western Regional Hospital, Dooradoyle, Limerick.

Saturday February 28<sup>th</sup>, 2009.

09.00-09.30	<b>Introduction, basics of getting started and basic instrumentation. D Harmon</b> Where we have been and where we are going. How to turn on machine, chose a probe, prepare patient. What do blood vessels look like?
9.30-10.40	<b>First Vascular Access Practical Session.</b> Practical demonstration of basic techniques on live models and Phantom specimens.
10.40-11.00	Break.
11.00-11.30	<b>Physics and Fundamentals. S Ó Riain</b> A concise and simplified explanation of ultrasound physics.
11.30-12.40	<b>Second Vascular Access Practical Session.</b> Internal Jugular, Subclavian and Femoral Central Venous Access stations.
12.40-13.30	Lunch.
13.30-14.00	<b>Complications of Vascular Access. C Motherway</b> An overview of complications associated with both 'blind' and ultrasound guided vascular access techniques. Evidence based practice.
14.00-15.10	<b>Third Vascular Access Practical Session.</b> Peripheral venous and arterial access.
15.10-15..30	Break.
15.30-16.45	<b>Fourth Vascular Access Practical Session.</b> Review and further practice and assessment of previous skills stations.
16.45-17.00	Final words.

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**Course Directors.** Dr John Kennedy, Dr Seosamh O'Riain.

In this course, you will learn to identify the sonoanatomy of the Internal Jugular, Subclavian, and Axillary veins for the purpose of central venous access. Peripheral veins and arteries are also covered for arterial pressure monitoring and PICC line insertion. Finally the Femoral vessels are identified. There will be an opportunity to practice on phantoms (gel/tissue models) to get your hand-eye co-ordination going.