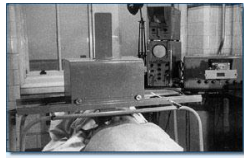


Ultrasound past, present and exciting future.

Dr Richard Beese MRCP FRCR

This presentation is dedicated to the memory and work of 2 late ultrasound pioneers Dr Hylton B Meire and Professor David Cosgrove whose contribution to our understanding and use of ultrasound cannot be understated. along with other notable Radiologists

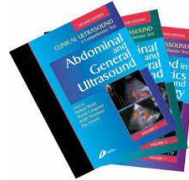


ARTICLES THE LANCET
INVESTIGATION OF ABDOMINAL MASSES BY PULSED ULTRASOUND
 IAN DONALD
 M.B.E., B.A. Ochs Town, M.D. Lond., F.R.F.P.S., F.R.C.O.G.
 SENIOR PROFESSOR OF ANATOMY OF THE UNIVERSITY OF GLASGOW
 J. MACVICAR
 M.B. Glasg., M.R.C.O.G.
 GYNAECOLOGICAL REGISTRAR, WESTERN INFIRMARY, GLASGOW
 T. G. BROWN
 OF ABERDEEN, GLENN BOOKS LTD.

Pioneering days of ultrasound from the bench to the patient ..
 The inventor Ian Donald was an obstetrician and the invention was for pregnancy. Radiologist saw an opportunity to use this imaging technique

Telephone conversation . Between Keith Dewbury and Hylton Meire ' Hylton I think I can see the common bile duct !

Evolution of knowledge



David Cosgrove

Hylton Meire

Personal experience :
 As a registrar after a successful paper presentation at BMUS , I was invited to give a talk at a European meeting in Brussels FIDUM 1998 on ultrasound . I shared the platform with Dr Hylton Meire and Prof Cosgrove. The European audience welcomed Hylton and David like celebrities because of their pioneering research and books.

Evolution of technology



2003 lap top ultrasound



2019 Hand help i phone ultrasound at an affordable price this has the potential to change medicine for the better

New clinical settings POCUS

Developed world



Developing world and austere settings



Ultrasound is being used by paramedics in the field to diagnose pneumothorax in trauma , on ITU to assess kidneys in renal failure. In a/e resus to asses heart function with echo Pocus

According to WHO only 25 percent of the worlds population has access to X rays and imaging. In austere and developing worlds hand held Ultrasound is being used. Ultrasound can differentiate between bone in injury and soft tissue injury, used to triage pregnancy in to high and low risk for hospital intervention, used in battle field situations to triage soldiers on the battle field who require intervention.