Ultrasound and Internal Medicine

Frank Bosch

EFIM

Rijnstate
Ultrasound and Internal Medicine

Any Problems?
Internal Medicine vs Radiology

An Internist will never be as good
Ultrasound and Internal Medicine

- 1. echocardiography
- 2. Lung Ultra Sound (LUS)
- 3. Abdomen
- 4. vessels
- 5. Doppler
Ultrasound and Internal Medicine

certification

supervision

numbers

training

documentation

legal issues

Level 3
specialist echo examinations, echo for invasive procedures, and majority of post in echo and echo research

Level 2
accept referrals from Level 1, perform comprehensive TTE & TEE, diagnose all cardiovascular abnormalities, optimise onward referral, teaching and research

Level 1
acquire all standard views (TTE, TEE), recognise abnormal vs normal, diagnose common abnormalities, recognise when referral indicated, understand echo vs other techniques

Emergency Echo (FEEL, FATE)
acquire standard TTE views in ALS compliant manner, recognise major causes of arrest/shock, recognise when referral for second opinion indicated,
Ultrasound and Internal Medicine

- Blue
- FATE
- FEEL
- FAST
- RACE+
Ultrasound in Europe Working Group

- Defining the minimum competencies for Ultrasound for European Internists
- Discussion about levels of expertise
- Defining competencies for higher levels
- Follow the Canadian Model (Ma, IWY et al. J Gen Int Med 32 (9): 1052-7; DOI: 10.1007/s11606-017-4071-5)