

BMUS The British Medical Ultrasound Society

47th Annual Scientific Meeting December 9 City Hall Cardiff



Wednesday 9th December Physics 2: Safety & Standards

Quality Assurance of Ultrasound transducers/probes

Presented by Björn Segall, BBS Medical AB, Sweden

Just coming back from our presentation in Davos Ultraschall 2015 we received the message that the scientific committee of BMUS in UK has accepted BBS Medical AB Abstract. It is a great honor to be able to forward this important message in UK:

The Abstract is based on BBS Medical AB 13 years of testing transducers/probes, in daily use all brands and types, at hospitals in the Nordic countries. This work and Studies by The Royal Institute of Technology, (KTH) and Karolinska Institutet, Stockholm, Sweden confirms that; 35-40% of the ultrasound transducers at a non tested hospital, shows defects when tested. Even after OEM:s service, maintenance and systems own test protocols.

The ultrasound probe is the most delicate part of an ultrasound system and is extremely sensitive of shocks, dropping and type of gel or cleanser used. The risk of a fallacious diagnosis is high because - The Problem is that you can't see the Problem, that's the Problem! **Testing is a must!**

The presentation will show that testing ultrasound probes on a frequent basis and implementing a Probe Care Program **will take the faulty frequency 40% down to approx. 10%.**

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