

# Niall Phelan

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## *QASGD Associated Member*

Niall Phelan BSc (Applied Physics) 1989, MSc (Physics) 1998, has been working as a medical physicist since 1989 and is presently Chief Physicist at BreastCheck Ireland, which delivers population based mammography screening to eligible women through a network of four screening clinics and sixteen mobile units. Since the inception of the screening programme in 1999, Niall has been responsible for the provision of medical physics and quality assurance services and currently leads a team of four medical physicists who provide centralised scientific support of quality assurance, imaging optimisation and digital image management.

Niall has extensive experience in conventional and digital mammography imaging, equipment evaluation and quality assurance for breast screening and led the implementation of digital mammography imaging and enterprise PACS throughout the breast screening service in Ireland which was one of the first screening programmes to make the transition exclusively to digital imaging. Niall is currently involved in the provision of breast tomosynthesis imaging and establishing associated guidelines for quality assurance. Since the inception of the Irish breast screening programme, Niall has made substantial contributions to the provision of high quality and successful breast screening in Ireland including the development of quality assurance guidelines and the technical and clinical evaluation of the screening programme as well as leading a number of research projects within the BreastCheck clinical research group which have published and presented their work widely.