Imaging and Spectroscopy of Medical Device products in Smith & Nephew’s marketplace of ‘Skin and Bones’

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Abstract:
Smith & Nephew is a global medical device company with a broad product portfolio, covering many different material types in products designed for several marketplaces: Advanced Wound Management, Orthopaedic repair and reconstruction, Sports Medicine and Biologics. Multiple scientific disciplines and a broad range of analytical approaches are required in support of Innovation, Development, Characterisation, I.P. Protection and Quality Assurance of such a broad product portfolio.

Constantly evolving regulatory environments across the globe and the development of increasingly advanced and complex medical devices require often require the use of ‘cutting-edge’ analytical methods and developing and maintaining good professional networks across both industry and academia.

This presentation will therefore provide several examples of multi-technique analyses with respect to R&D, Manufacturing, QA, Regulatory and Safety. The presentation will also discuss current analytical challenges and possible future new additions to the analytical toolbox. A potted history of past and current collaborations between Smith & Nephew and the University of York will be provided along with a brief discussion of potential barriers to such collaborations.