



Prof Sally Barrington

King's College London and Guy's and St Thomas' PET Centre

Talk Title: PET guided response in lymphoma: the evidence base

Professor Sally Barrington is UK National Institute for Health Research Professor at Guy's and St Thomas' and Kings College London PET Imaging Centre.

She is best known for her successful development and implementation of international guidelines for PET response assessment and adapted therapy in lymphoma, now funded as standard of care and implemented worldwide in clinical practice. She developed the 5-point 'Deauville' scale and is an author of the Lugano classification and LyRIC criteria for lymphoma. Her clinical trials work has involved establishing quality assurance programmes for international phase II/III trials and best clinical practice included in European Association of Nuclear Medicine guidelines for FDG- PET tumour imaging.

She leads the UK PET Core imaging lab at St Thomas' Hospital with a research network of 50 imaging centres. Her research professor programme (funded NIHR £1.6million 2017-22) focuses on using PET to improve outcomes for patients with cancer. This includes trials exploring PET-CT and PET-MR to response adapt treatment during radiotherapy and the application of artificial intelligence using convolutional neural networks to provide efficiencies in the radiotherapy pathway using image guidance.

She leads the clinical translation of the MITHRAS programme (funded EPSRC £6.4million 2019-24) to translate novel tracers into clinic. She is a strong advocate for education and training of the next generation of clinicians and researchers as Faculty for European School of Oncology for certification of competence in lymphoma (2017-) and member of the scientific committee for international workshops on PET in lymphoma and myeloma (2010-).

She has 143 peer reviewed publications, h-index 49 (google scholar).