

# BTS Monothematic Meeting 2024: Ageing and Transplantation

Fetal Medicine Research Institute, King's College Hospital  
7th November 2024



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The BTS will hold a one-day meeting to bring together researchers and clinicians to examine major issues around ageing and deceased donor kidney, and liver, transplantation. As the UK's population ages and accumulates multiple co-morbidities, transplant units are facing progressively difficult choices around the utilisation of organs from older donors, and how to optimise outcomes in elderly recipients. The meeting will examine the fundamental biological changes in ageing organs, novel interventions, and technological approaches to the older donor, with UK-based and international speakers. The final session will focus on 'pre-habilitation' and will update colleagues on UK and international evidence in this increasingly important field.

## Programme

Time	Detail
09:00	Registration and Refreshments
09:30	Welcome Address
Basic Science Session: Chaired by Professor Menna Clatworthy & Maria Kaisar	
09:40	Transcriptomic biomarkers to assess biological age in transplantation
10:00	Kidney transplantation versus dialysis – effects on age-associated changes in DNA methylation?
10:20	Somatic mutations in liver ageing
10:40	T-cells as controllers of ageing
11:00	Refreshment Break
11:30	How do old organs affect young recipients and can senolytics help?
12:00	Lunch Break
"The older deceased donor" Session: Chaired by Cat Boffa & Douglas Thorburn	
13:00	Setting the scene – UK data on older deceased liver and kidney donors and recipients
13:20	Interventions to modify the older deceased donor: horizon scanning
13:40	Assessment and utilisation of the older deceased donor kidney
14:00	Technological approaches to the older deceased donor: how will machine perfusion help us?
14:30	Refreshment Break
15:00	Prehabilitation in renal transplantation
15:20	Prehabilitation in liver transplantation
15:40	Panel Discussion: Prehab – where next?
16:10	Elderly donor – elderly recipient: recipe for disaster?
16:40	Summary and close of session.
17:00	Meeting Closes