

# 11<sup>th</sup> Preston Renal Biopsy Course

**Thursday 29<sup>th</sup> and Friday 30<sup>th</sup> January 2026**

**Health Academy, Royal Preston Hospital  
Lancashire Teaching Hospitals NHS Foundation  
Trust**



## Foreword

Most nephrologists perform renal biopsies on both native and transplant kidneys. Training is usually “on the job” under the supervision of an experienced biopsy operator. However, other than watching there is very little in terms of hands-on training before one performs the first couple of biopsies.

The aim of this course is to provide introduction regarding indications, contraindications and complications of renal biopsy. We have real cases to debate whether doing a kidney biopsy would be useful or not. We also offer “Meet the Expert” sessions. The course also includes pathology teaching, Consent and ethical issues, and up-to-date management of common biopsy outcomes.

The unique feature of this course is that over 2 days there are hands-on sessions in small groups. You will have the opportunity to practice the use of ultrasound to identify and localize native kidneys of healthy volunteers as well as transplant patients. You will learn and experience the effect of correct positioning of the patient in this process as well. You will gain hands-on experience with the actual biopsy itself with our purpose-built renal biopsy simulator with real kidneys and also with a renal biopsy training model using different techniques and different guns and needles. Finally, you will examine the biopsy cores under microscope to make sure they are adequate. All of this will give you valuable experience and the opportunity to get a grip on equipment and handling in a stress-free setting. This course does not provide formal certification of competency in doing renal biopsy.

This is only course in the UK and worldwide to train on a purpose designed model. The course has attracted since its start in 2012 participants from 48 countries over 4 continents. The course also offers 12 CME points by the Royal College of Physicians in London.

## Organiser

- **Aimun Ahmed**, Consultant Nephrologist, Department of Renal Medicine, Lancashire Teaching Hospitals NHS Foundation Trust

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# Programme Day One

## Day 1

**8:30 Welcome and Registration. Tea and coffee on arrival – Education Centre 1**

**(9:00-12:30) Lecture room 3, Education Centre 1, first floor**

**9:00** Introduction Dr Aimun Ahmed

**9:10** Indications, contraindications and complications of renal biopsy Dr J Anderton

**9:50** Pre and post biopsy care/ Guns and Needles Dr Aimun Ahmed

**10:50** Renal Biopsy video

### **11:05 Coffee Break**

**11:25** Renal Biopsy in the hands of Pathology Dr Amany Said

**12:15** Pathology quiz

**12:30-13:30 Lunch (Dining Room - Education Centre 1, ground floor)**

**(13:30-17:30) HANDS-ON SESSION; Education Centre 1, first floor**

Hands-On (Biopsy models/transplant patients/healthy volunteers/Guns and needles)

a) **Room 1** Buttons on the US machine + Kidney localisation Dr Moataz Fatthy  
(Native and Renal transplant ultrasound)

b) **Room 2** Guns and needles - Doing the biopsy (Biopsy model) Dr A Ahmed

c) **Room 3** Doing the biopsy (Biopsy model) Dr C Arunachalam

**Coffee and refreshments will be available during the sessions**

**17:30 End of Day 1**

# Programme Day Two

## Day 2

**9.00-9.30** Consent and ethical issues with kidney biopsy

Dr M Brady

### **9:30-12:30 Hands-on sessions; Education Centre 1, first floor**

(Localise kidney in transplant patients and healthy volunteers/Doing the biopsy/examine kidney under Microscope)

- a) **Room 1** Examine the kidney under the microscope Dr Ahmed/Peter Grugel
- b) **Room 2** Doing kidney biopsy (Pig Kidney in gelatine) Dr M El Sayed
- c) **Room 3** Localise kidney in healthy volunteers Dr Moataz Fathy

**Coffee and refreshments will be available during the sessions**

### **12:30-13:30 Lunch (Dining Room – Education Centre 1, ground floor)**

### **(13:30-15:00) Lecture room 3, Education Centre 1, first floor**

**13:30-14:15** To biopsy or not to biopsy – controversial cases

(Expert Panel: Dr Ahmed /Dr Ponnusamy /Dr El Sayed)

**14:15-15:30** Evidence based management of renal biopsy outcomes Dr Ponnusamy

**15:30** End of day 2