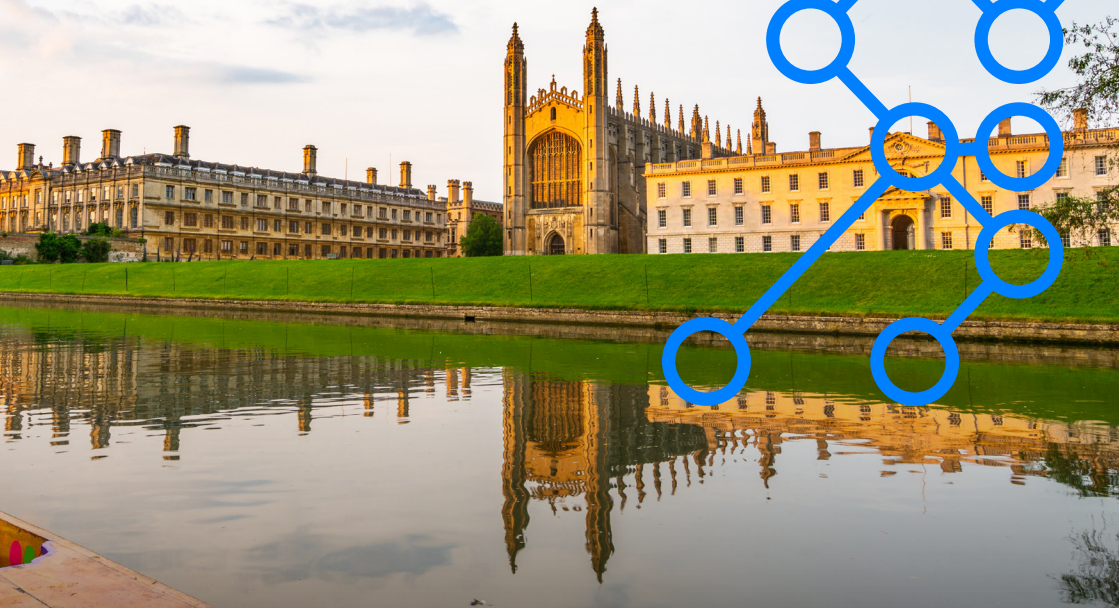




# Cambridge basic science FRCS (Tr & Orth) revision course



**Date:** 12–14 March 2025  
**Venue:** Cambridge, Venue TBC  
**CPD:** Awarded 18 CPD hours by RCSEd  
**Convenor:** Mr Vikas Khanduja

# Cambridge basic science FRCS (Tr & Orth) revision course

 12–14 March 2025  
 Venue TBC, Cambridge

## Course convenor:

**Mr Vikas Khanduja,**  
Consultant Orthopaedic Surgeon,  
[Addenbrooke's Hospital](#)

## Registration fees

**Lectures and viva participant:**  
£495

**Lectures and viva observer:** £399

**Lectures only:** £300

Register here:

<https://bit.ly/Cam2025>

## Educational aims and objectives

The Cambridge basic science course is returning for its 17th consecutive year.

It is targeted at trainees in the early stages of their training and those preparing for the FRCS (Tr & Orth) examination. Additionally, it is suitable for practicing consultant orthopaedic surgeons who want to refresh their knowledge in orthopaedic basic sciences.

The course offers a thorough update on all topics relevant to the examination and clinical practice. It features interactive lectures and mock vivas, giving participants the opportunity to both acquire knowledge and improve their examination skills.

## What delegates say about this course

*"It is good value for money. Very intense 3 day course covering everything you need to know for the FRCS."*

*"This course has really put me on right track to crack my exam with a correct approach"*

*"I was dreading basic science for the exam but after this course I feel more confident that I will be able to answer and structure my answers more appropriately. I am now aware of what I need to work on and the high yield topics to revise for the exam."*

## Programme (day 1) - Wednesday 12 March 2025

09:10	Registration and refreshments
09:25	Introduction and welcome Mr Vikas Khanduja, Consultant Orthopaedic Surgeon, Addenbrooke's Hospital
09:30	Candidate's view of the exam
09:45	Examiner's view of the exam
10:00	Basic science of the spine and biomechanics
10:30	Basic biomechanics
10:50	Biomechanics of native and replaced knee
11:10	Refreshments
11:30	Genetics
11:50	Limb development and growth plate
12:10	Shoulder and elbow biomechanics
12:30	Nerve and nerve conduction studies
12:50	Imaging
13:10	Lunch
14:00	Vivas
15:15	Refreshments
15:35	Vivas
16:50	Close of day

## Programme (day 2) - Thursday 13 March 2025

07:30	Refreshments
08:00	Metabolic bone disease
08:20	Statistics
08:40	Orthotics
09:00	Foot and ankle biomechanics
09:20	Bone dysplasias
09:40	Refreshments
10:20	Biomechanics of fracture fixation
10:40	Biomechanics of the native and replaced hip
11:00	Articular cartilage and meniscus
11:30	Research methodology
11:50	Prosthetics
12:10	Lunch
13:10	Vivas
14:25	Refreshments
14:45	Vivas
16:00	Close of day

# Programme (day 3) - Friday 14 March 2025

<b>07:30</b>	<b>Refreshments</b>
08:00	Bone structure
08:20	Bone healing
08:40	Tendon and ligament
09:00	Tribology and corrosion
09:20	Muscle
09:40	Gait
10:00	Basic science of osteoarthritis and regenerative strategies in orthopaedics
<b>10:25</b>	<b>Refreshments</b>
10:40	Biomaterial behaviour and biomaterials in arthroplasty
11:00	Infection and operating room design
11:20	Orthopaedic oncology for the FRCS (Tr & Orth)
12:05	Recent exam questions
<b>12:25</b>	<b>Lunch</b>
13:15	Vivas
<b>14:30</b>	<b>Refreshments</b>
14:50	Vivas
16:05	Close of course