

## Who we are

We are a team of intercalating medical students and as part of our final project for Business Management. We have chosen to investigate **lean management in surgery** and evaluate its ability to tackle **current environmental issues**. We are conducting this research under the supervision of Dr Laure de Preux, Imperial College Business School ([L.dePreux@imperial.ac.uk](mailto:L.dePreux@imperial.ac.uk)).

## What is lean management in surgery?

Lean management in surgery aims to reduce waste and increase efficiency while reducing costs and maintaining high quality patient care. It involves identifying and eliminating non-value-added activities through analysis of current processes. Waste doesn't only include resource waste; it includes long waits, medical errors, and duplication of services.

Once identified, these areas can be streamlined and standardised - through process redesign, automation, and improved communication and coordination. Lean management emphasises team-based care, using evidence-based medicine, and relying on data to make decisions.

## Areas of potential discussion

1. What are some **current approaches** to improving the efficiency and waiting times for patients that you currently have in place in the surgical setting?
2. What are some **past quality-improvement projects** you have approached or observed, with the aim of improving **efficiency and effectiveness** within the surgical setting?
3. Can you discuss any **concerns or barriers** you may have about introducing lean management in surgery?

## Further resources if interested:

1. [What Is Lean Healthcare?](#)
2. [Going lean in the NHS](#)
3. [Lean management in academic surgery](#)