

Reducing risk to patients by aiding our surgeons.

Made possible by **mimit**

Current surgical skin preparations contain either a red dye or an iodine base in them, which stains the skin. A new type of surgical skin preparation was needed which could be seen on application but would not obscure the ability to monitor skin colour during anaesthesia – change in skin colour is an indicator of oxygen saturation and can be an early sign of adverse drug reaction.

mimit.org.uk

MANCHESTER
1824
The University of Manchester

NHS
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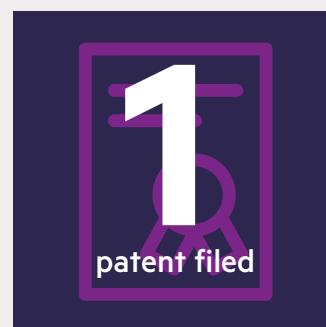
The unmet need

A surgical skin preparation that allows sterilisation of the operation site without adverse skin discolouration.

The solution

A novel fluorescent surgical skin preparation 'FluroPrep' has been developed that allows sterilisation of the surgical site without adverse skin discolouration. Under normal light illumination the preparation is completely invisible enabling easy clinical monitoring of adverse events during surgery. This novel preparation is visible under blue light allowing it to be seen during application, it also has the added advantage of being visible on darker skin tones. Other benefits of 'FluroPrep' are that it does not decrease chlorhexidine's antimicrobial activity or the shelf life of the product.

The output



Looking for a partner/licensee



Pathway status:

Idea

Research Team

Discovery

Prototype

Safety/Efficacy

Product

Deploy/Commercial

In use