

# Regenerating the oesophagus

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UK Regenerative  
Medicine Platform

## What is it?

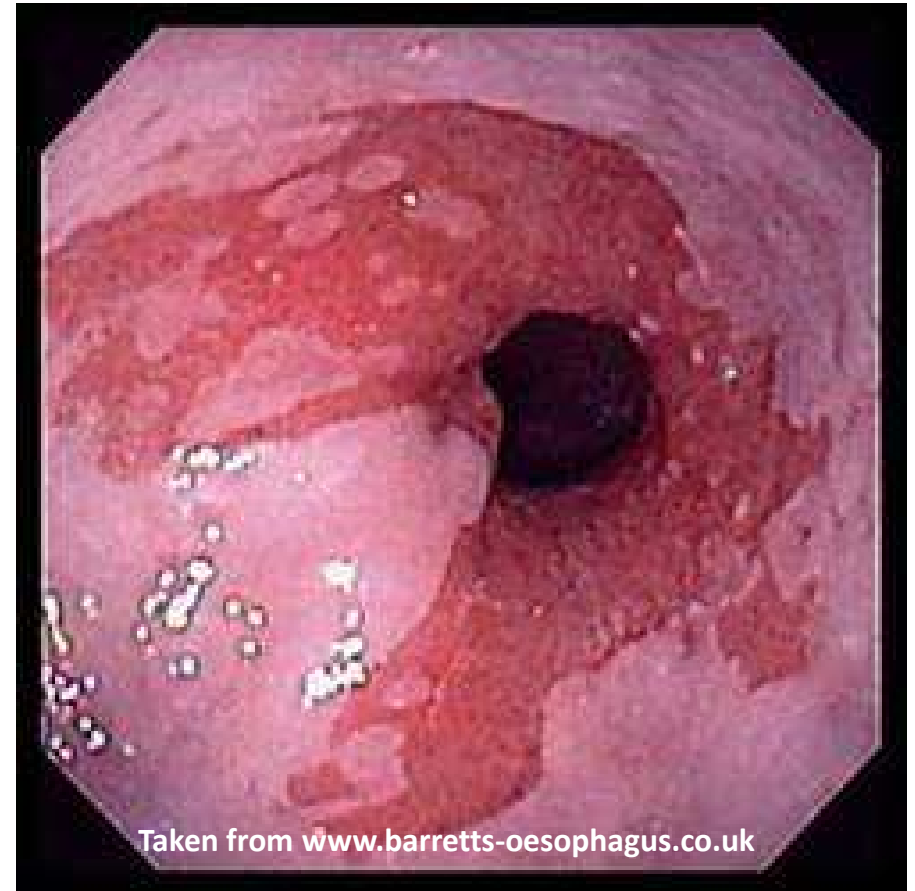
Caused by long-term exposure to acid reflux, Barrett's oesophagus is the pre-cancerous condition of the surface of the oesophagus.

## How do you propose to tackle this?

To provide a suitable material that can be sprayed onto the oesophagus following removal of the affected tissue. This material will support the regrowth and restoration of the healthy tissue lining.

## Difficult Challenges

Delivering the material during an endoscopic procedure and then retaining the material at the affected site to promote wound healing present the key challenges of this work.



*An endoscopic view of Barrett's oesophagus; affected areas are seen as dark red patches.*