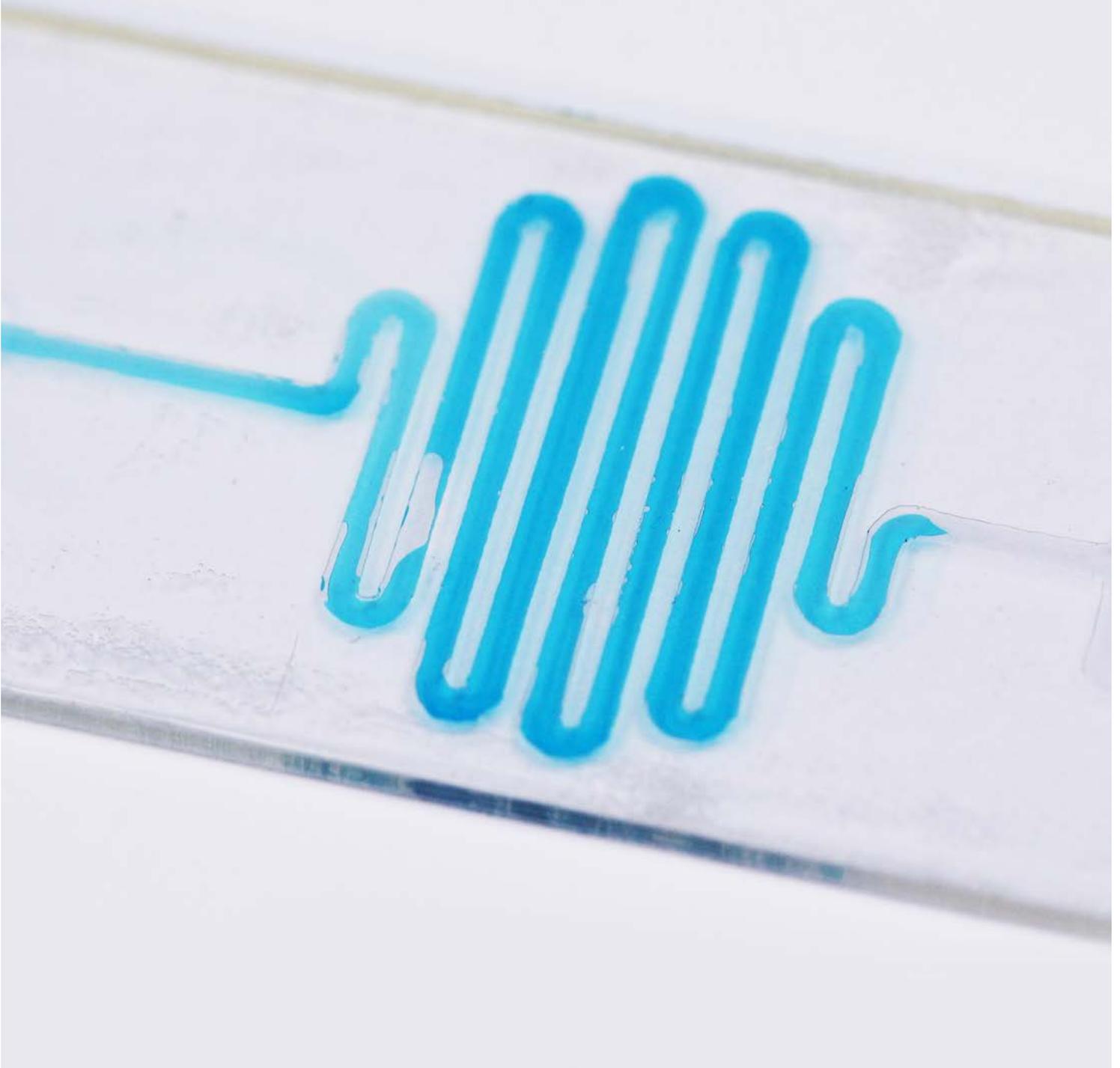


# Novel GI Tract Treatment

Concepts, simulation and testing to explore the use and deployment of an energy therapy



Our client wanted to explore the use of energy modalities for mucosal ablation. We helped them by generating concepts for deployment and exploring tissue effects through simulation and testing.

## Approach ↗

Sagentia explored the feasibility of developing a system for endoscopically delivered, energy based ablation in the GI tract

- Concept generation to identify suitable means and materials relevant to deploy arrays delivered through narrow working channels
- Modelling and simulation of energy delivery profile to optimise configuration and treatment
- Morbid tissue testing to validate models

## Benefits ↗

Our work generated models that were able to predict optimal configuration and effect. Overall, this helped to inform future development direction for their novel treatment.

