

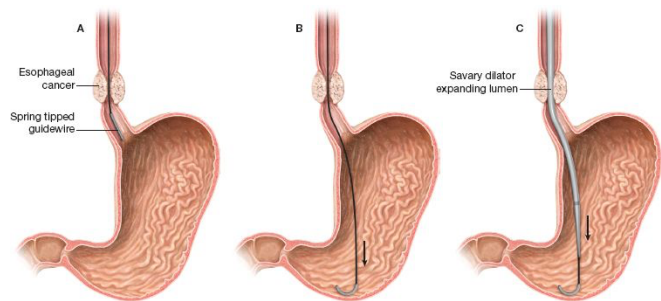
## Sustainable Hospital: Toward circular use of the disposable bougie dilator

*Erasmus Medical Center, Rotterdam*

Erasmus Medical Center (EMC) and Delft University of Technology (DUT) are working together in the Sustainable Hospital project to increase circularity and dramatically reduce the amount of waste generated in the healthcare sector. <https://sustainablehospital.org>

Within the hospital, endoscopy has high waste generation, due to reliance on single-use devices and relatively high procedure volumes. Endoscopy has direct and indirect ecological harms and is estimated to be the third highest generator of (hazardous) waste in healthcare facilities. One of the products used in the endoscopy department is the disposable bougie dilator. This dilator is used in patients with problems of the esophagus. After use, it is discarded immediately. Erasmus MC would like to switch from a linear to a circular bougie dilator. During this project this product will be asked to calculate the environmental impact of the disposable bougie dilator and to (re)design and co-create a circular bougie dilator.

You will be part of a sustainability impact-driven team of EMC and TUD and can work in our Sustainable Hospital Living Lab at the EMC. The Endoscopy department has a professor and team dedicated to innovation and Sustainability. Next to your graduation project you can join us in other sustainable healthcare activities like symposia, workshops and more. We are open to discuss how to finetune the assignment with your graduation ambitions.



For more information: Prof. Jan Carel Diehl (Design for Inclusive Sustainable Healthcare)  
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