

## Device for measuring the length of a stenosis

### Domaines d'application

Digestive stenosis - catheter - endoscopy - length measurement - Crohn's disease

### Contexte

The inflammatory bowel disease market will reach sales of \$5.6 billion in the seven major markets in 2019. Stenosis occur because of an inflammation, for example due to the Crohn's disease. A drastic treatment of a stenosis is surgical resection. However, if the stenosis is located on an accessible zone to endoscopy, it can be treated by dilatation by means of an endoscope coupled with a balloon catheter. This method can be inefficient if the stenosis is too long. Therefore, measuring the length of the stenosis prior to a dilatation intervention is crucial for choosing the best appropriate shape and dimensions of the balloon. Another treatment is a stent placement that also requires measuring the length of the stenosis so as to choose a well-suited stent. For now, measuring the length of a stenosis is a rough estimate, and dimensions of the balloon catheter or the stent are often inappropriate.

### Description de la Technologie

We propose a new endoscopic medical device for precisely measuring the length of a stenosis in inflammatory digestive disease. This specific endoscopic digestive catheter allows the operator to read easily the length of the stenosis through a specific marking. The measure of the stenosis is therefore more accurate than with standard procedures. The approximative measurement is avoided and endoscopic treatments, hydrostatic dilatation or stent placement, are improved.

### Stade de Développement

Concept

### Propriété Intellectuelle

US, PCT Patents