

## Cutting device for endovascular surgery

### Domaines d'application

Medical device - Aortic aneurysm - Aortic dissection - Cardiac surgery

### Contexte

Aortic dissection is a serious disease with an incidence of about 1% and a mortality rate of 50% within the first 48 hours. Treatments consist in inserting a stent or using "fenestration". In certain cases, these strategies can be hard to fulfill. To ensure surgery treatments, a new medical device has been created.

### Description de la Technologie

This device provides an endovascular scissors which enables the artery to be cut with precision and linearly. Dissection's "flaps" are reconnected easily and normal blood flow is restored. Cuts are clean and mastered whatever the stage of flaps'rigidity is. Risk of ruptures and tears are reduced. This original device appears to be effective in both acute phase and in chronic phase of aortic dissection.

### Stade de Développement

Validation of proof-of-concept

### Propriété Intellectuelle

FR and PCT patents