



RADIO FREQUENCY TREATMENT OF HAEMORRHOIDS UNDER LOCAL ANAESTHESIA

The Rafaelo® procedure treats all grades of internal haemorrhoids in a walk in walk out setting, requiring only local anaesthetic, which benefits both the patient and the hospital. This safe and reliable treatment is now available and utilises established radio frequency technology.

The procedure is generally concluded with-in a few minutes, with minimal discomfort for the patient which enables immediate return to normal daily activities.

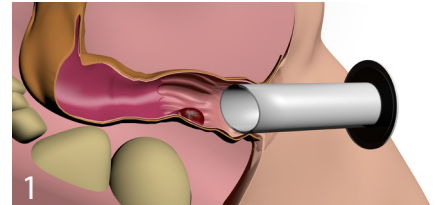


Rafaelo®

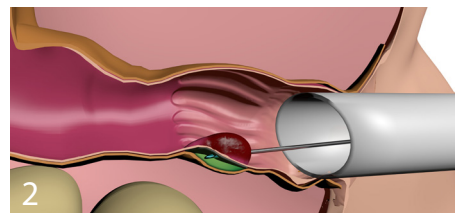
A safe and reliable haemorrhoid treatment with lasting results

4 step procedure

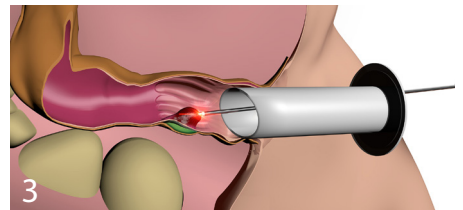
1. Insert the anoscope in the rectum of the patient to see the haemorrhoid.



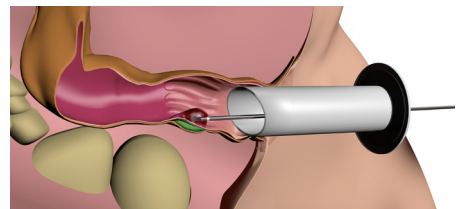
2. Apply local anaesthesia (Lidocaine 1%, 3-6 ml) in the submucosal layer under the haemorrhoid (NOT in the haemorrhoidal tissue)



3. Insert the HPR45i probe in the haemorrhoid and apply the RF energy.



4. Apply the RF energy to the surface of the haemorrhoid.



Radiofrequency thermocoagulation of haemorrhoidal bundles, an alternative technique for the management of internal haemorrhoids; J. M. Didelot ; International Journal of Colorectal Disease, (), 1-4 29 Oct 2020 <http://link.springer.com/article/10.1007/s00384-020-03789-3>

Radio frequency ablation (Rafaelo procedure) for the treatment of prolapsing stage III haemorrhoids -technique and initial results., H. Schäfer, S.Tolksdorf, C.Vivaldi ; Coloproctology 2018: 40:204-210 online published 9Mai2018 <https://doi.org/10.1007/s00053-018-0250-z>

RadioFrequency ablation for the treatment of haemorrhoidal disease: a minimally invasive and effective treatment modality; M.M.R Eddama, M.Everson, S.Renshaw,T.Taj, R.Boulton, J.Crosbie, C.Richard Cohen; Techniques in Coloproctology 24 July 2019 , <https://doi.org/10.1007/s10151-019-02054-2>

*In addition to the Rafaelo RF Generator, the clinician requires only a disposable anoscope and our proprietary HPR45i single use probe, both of which are supplied in the Rafaelo Procedure Pack.



Fistura®

A new radiofrequency procedure for the treatment of anal fistulas

This minimally invasive technique seals the fistula tract without having to open the anal sphincter.

The Fistura® procedure uses radio frequency thermocoagulation to treat anal fistulas - utilising the emission of electromagnetic waves at very high frequency (4MHz), similar to the principle of a microwave.

This new treatment is performed in a day-case or outpatient setting. The procedure takes only a few minutes to perform with minimal discomfort for the patient, allowing an immediate return to daily activities.

Advantages

for the Practitioner

- Quick and efficient minimally invasive procedure
- Simple to perform
- Excellent alternative to more invasive techniques
- Highly effective on patients with Crohn's disease
- Minimal post-operative care
- Safe control of energy, avoiding damage to adjacent tissue or muscles

for the Patient

- Minimally invasive
- Quick procedure performed in a day-case or outpatient setting
- Comparatively little or no pain
- Minimal post-operative care
- Immediate return to daily activities



This novel technique has been the subject of rigorous studies, in particular by the Groupe de Recherche et d'Etude en Proctologie (GREP) in Paris.

The advantages

For the patient

- 15 minute walk in walk out procedure
- Local anaesthesia
- Minimal post-operative pain and care
- Can be used to treat all grades of internal haemorrhoids
- Immediate return to daily activities

For the surgeon

- Quick, safe and effective procedure
- Minimal post procedure care
- Increased patient throughput
- Cost effective

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1304



Technical specifications	HPR45i probe
Probe length	200 mm
Tip length	10 mm
Extension cable length	2.5m
Tip material	Stainless steel
Insulating material	PFTE
Medical device	Class IIb
Product reference	05HPR45iV2

Fistura®

Fistura Catheters

The flexibility of the catheter is a key advantage that allows you to easily follow the path of the anal fistula - it will allow you to close the fistula along its entire length.

Depending on the diameter of the anal fistula, a range of different catheter sizes is available. The catheters maximise energy penetration to a high degree, emitting a radial wave within a radius of 3 mm thus avoiding damage to adjacent tissue or muscle.

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Technical specifications	6F	7F	8F	9F
Catheter diameter	2 mm	2.33 mm	2.66 mm	3 mm
Catheter weight	40 g	41 g	42 g	43 g
Catheter length	350 mm			
Tip length	4 mm			
Insulating material	PFTE			
Tip material	Stainless steel AISI316L			
Extension cable length	2.5 m			
Marking	every 5 mm			
Medical device	Class IIb			
Product reference	05FIS6F	05FIS7F	05FIS8F	05FIS9F

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