Seguro Lifesciences: Innovative Medical Devices

Seguro Lifesciences is a registered partnership firm dedicated to creating innovative medical devices. The firm was initiated by Mr. Iqbal Shaikh, B.Pharm., LL.B., an Ex-Deputy Commissioner of Food and Drugs Control, Gujarat, who brings 12 years of industrial experience in manufacturing and developing medical devices, including a coronary stent system. Mr. Shaikh is also an innovator holding process patent no. 426142[*1]. He co-founded the startup with **Faizal Shaikh**.

Some of our activities are described as under

1- THE PATENT is published and under examination process Application No.202311038333 A*2

DISPOSABLE HEMORRHOID DEVICE FOR THE TREATMENT OF HEMORRHOIDS

DESCRIPTION

Disposable Haemorrhoid Device is an equipment used to achieve low temperature for treatment of Haemorrhoid, Haemorrhoid also known as piles which are inflamed blood vessels found inside the anal canal. Device helps to cure piles without any surgery.

FIELD OF THE INVENTION

The present invention relates to the field of devices and methods for the treatment of haemorrhoid which provide immediate relief of pain, itching, and inflammation.

BACKGROUND OF INVENTION

This invention relates to a plastic disposable Haemorrhoid Device that is used for the relief of piles or haemorrhoids.

Haemorrhoid (or haemorrhoids), also known as piles, are vascular structures in the anal canal. They affect millions of people around the world, and represent a major medical and socioeconomic problem. Multiple factors have been claimed to be the etiologies of haemorrhoidal development, including constipation and prolonged straining. The abnormal dilatation and distortion of the vascular channel, together with destructive changes in the supporting connective tissue within the anal cushion, is a paramount finding of haemorrhoidal disease.

There has been a long recognized need for a safe, simple, inexpensive, non-toxic, self-administered device or procedure that has no possible harmful side effects or after effects and which is completely disposable after a single use. Several attempts have been made, some of these goals have been achieved, but heretofore none has been entirely satisfactory for one or more reasons.

As long ago as 1868 Schevenell et al. in U.S. Pat. No. 77,539 proposed an instrument for treating piles or haemorrhoids involving a tapered hollow electrode of different metals to provide galvanic action when brought into contact with the body fluids, which was claimed to reduce the rectal inflammation. The electrode was to be inserted into the rectal cavity and held in place for several hours in order to achieve the asserted beneficial treatment. Optionally includable within the hollow electrode was a frozen substance. Apart from the prolonged length of required treatment, the other main deficiencies of the device were the

need for cleaning and sterilization between uses and the likelihood that the metallic constituents would form toxic acids or salts in contact with body fluids that would enhance, rather than diminish, the bodily disorder.
Other more recent efforts have been made to meet this long-felt need for haemorrhoidal therapy.

Hence, Haemorrhoid Device is a good alternative treatment for patients with symptoms caused by uncomplicated haemorrhoidal disease. The device decreases pain and itching and the likelihood of moderate or severe bleeding. device is drugfree, therapeutic procedure that is especially helpful for patients with allergies, pregnant women. This treatment, relieves the painful discomfort of haemorrhoids by reducing the inflammation. And it offers the possibility of using the technology of Haemorrhoid Device therapy in the comfort of our home without hospitalization.

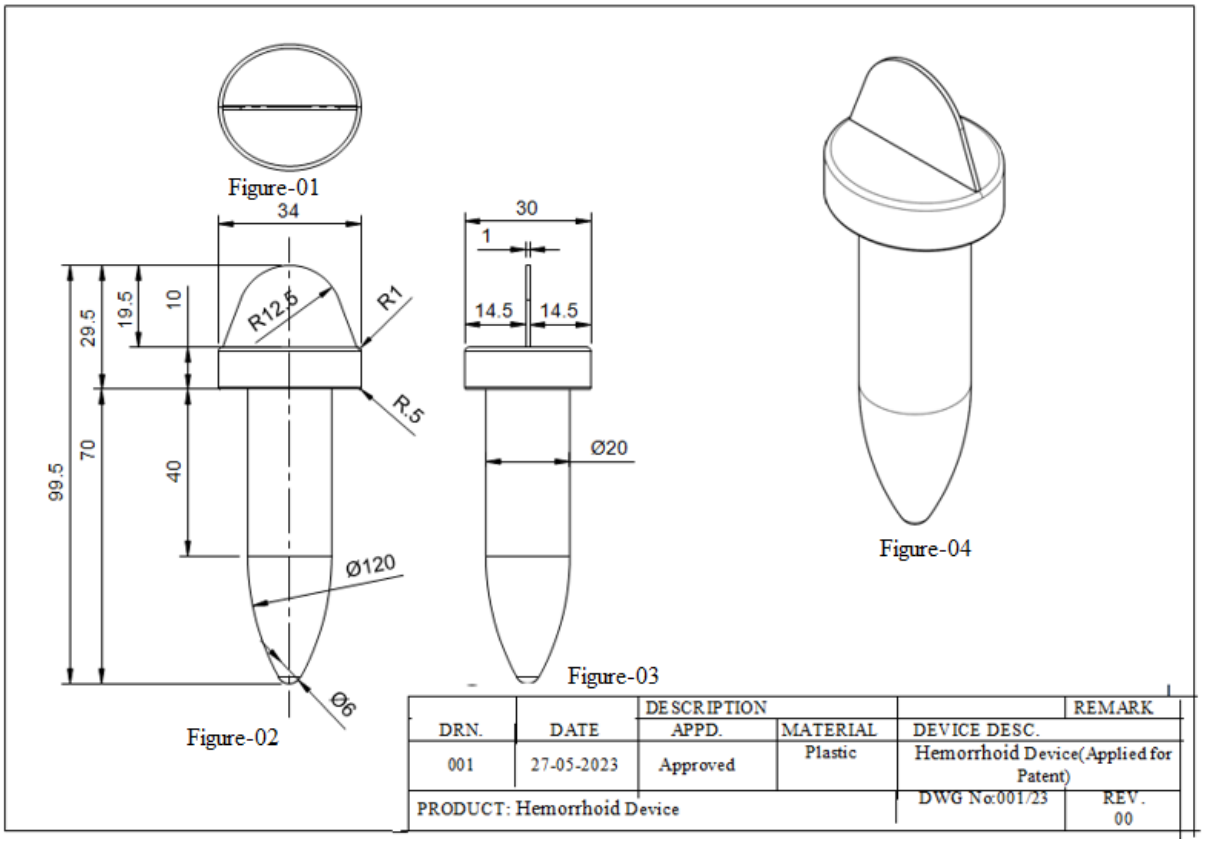

Figure-01 is a Top view of Haemorrhoid Device

Figure -02 is a longitudinal view of Haemorrhoid Device with dimensions where the total length of device is 99.5mm. The First section is 30mm long, The Middle body is 40mm long and The End Section is 29.5mm long. The middle diameter is 20mm.

Figure-03 is a Side View (Lateral view)of Haemorrhoid Device with dimensions.

Figure-04 is an Isometric view of Haemorrhoid Device.

DETAILED DESCRIPTION OF THE INVENTION

Referring now to FIGS. 1-4 of the drawings, A Haemorrhoid device is composed of a hollow tubular shape as per diagram. Filled & Sealed with Non-toxic Gel which can be freeze at -15˚ C to -18˚ C.

Haemorrhoid device is made by blow moulding of HDPE(High density polyethylene).then burrs are removed from surface to make it smooth and then filled with low thermal conducted Gel, Sealed by Ultrasonic sealing machine. Extra materials from Flap are removed with heated wire cut in ark shape as per drawing. Packed in Protective foil pack and in Final mono carton with label.

2- SoreGo:

The **SoreGo** is a quick, effective, and inexpensive one-shot self-medication for **mouth ulcers**. With just a single application, it provides fast and long-lasting relief from the pain and discomfort of mouth ulcers. It is easy to use and is a safe and reliable option for anyone suffering from mouth ulcers. The SoreGo is an affordable and great way to enjoy a life free of mouth ulcer pain and discomfort.

Product is developed and it is under licensing stage application is pending at FDA .

3- Micro Steearable Catheter

- It is an advance technology medical device and currently not available in India, We have developed a prototype. offering speed, control, support, and navigation at your fingertips.
  Its specification with picture / video is as under.

Video link*3: showing working of Micro Steerable Catheter

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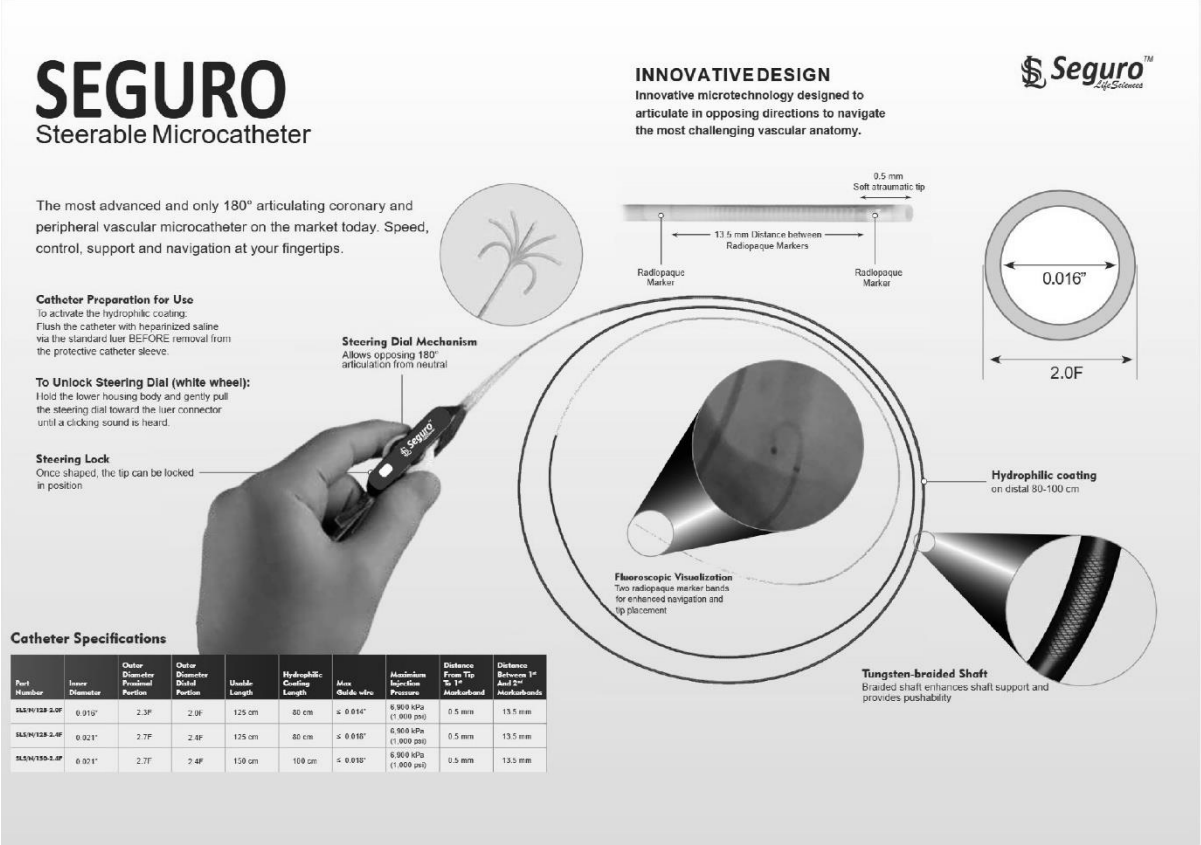

Links:*4- showing working of Micro Steerable Catheter

https://video.wixstatic.com/video/9637dc_411057d83ac54c61bbdb5e5e5c677e97/480p/mp4/file.mp4

Pitch deck:

A pitch deck document is not prepared as we do not need at this stage any financier, We are offered a sum of UK £ 1,000,000. (One Million UK £) by a London based U.K. Company for all above innovations.

Attachment:

Link1: Patent Certificate

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Link 2: Official Journal of the Patent Office.

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