

○ From clinical research to marketing...

The colon hydrotherapy technique was evaluated in France, at the Strasbourg University Hospital, in a clinical study published in 2016 in «Journal of Gastroenterology and Digestive Diseases» Volume 1 Issue 1: 003 2016.

After it was published, the procedure was put into practice by several American teams in dedicated centers. Their results have been reported in publications, posters and abstracts at DDW, ASGE, ...

These communications are gathered in a document that we can present to you.

HORIZON medical,

with benefit of its experience, is at the origin of the O'PREP' Research & Development project. The R&D phase had to meet two essential targets.

- ▶ To Design an innovative device : as result to day Patent and Trademark are Horizon property.
- ▶ To organize production located in Europe :

Our french manufacturing partner, Regnard Technologies which offer technical skills in the field of industrial robot motorisation. This matched the will of its leaders to open up to a new sector of Hi-Tech activities.

Currently, more than 20,000 patients in the United States have opted for this procedure. In more than 95% of the preparations, the quality was found to be excellent, with very good tolerance and no adverse events reported (FDA data).

O'PREP®

Innovation for colon preparation



Colon hydrotherapy,
**Gentle and natural efficiency
from water**

HORIZON
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The principle of colon hydrotherapy

A volume of 30.5 liters of water heated to 37°C is stored in a tank positioned at 90 cm above the patient's pelvis. Through gravity and at low pressure (0.7PA), the water irrigates the colon up to the cecum with an average flow rate of 1.3 liters/minute. The patient cycle lasts about 30 minutes. The clarity of the effluent is controlled on a screen and through direct vision before being evacuated.

PREPARATION AND COLONOSCOPY ON THE SAME DAY... ... THE ADVANTAGES OF AN ALTERNATIVE SOLUTION

The patient

after a light meal the night before, followed by 4 tablets of senna, comes in a fasted state 2 hours before colonoscopy appointment. He is seen to by a specialised carer who explains the process of his preparation. The O'PREP procedure takes place in optimal privacy, comfort and hygiene conditions

➤ **SIMPLE . CONFORTABLE . NATURAL**

The gastroenterologist,

can be assured that their patient's preparation has been validated by the control of effluent clarity at the end of the O'PREP cycle. They will be able to perform the colonoscopy under the best visual conditions for an optimal diagnosis. The risks of a difficult, longer or even impossible examination are reduced.

➤ **EFFECTIVE . CONTROLLED. ALTERNATIVE**

The hospital or clinic,

provides its practitioners and patients with an innovative, efficient and comfortable service. This stops patients who have undergone a standard preparation that has proved insufficient (15 to 20% according to the literature) from having to be return a second time, as a «flash» O'PREP procedure can be prescribed.

➤ **INNOVATIVE . EFFICIENT . PROFITABLE**



Indications for colon hydrotherapy :

- Initial preparation on the same day as the colonoscopy
- Resume oral preparation when it is insufficient
- Preparation for an X-ray examination of the colon
- Preparation for colorectal surgery

The O'PREP system, integration of all functions:

- A bed designed for patient comfort and safety
- A display panel for managing procedure parameters
- An LCD screen for continuous monitoring of effluent clarity

