



CAPSULE pH MONITORING

Catheter free, wireless diagnosis of Gastro Oesophageal Reflux Disease (GORD).

The OMOM pH capsule wireless monitoring system is used to monitor the pH value inside the oesophagus to aid in the diagnosis of Gastro Oesophageal Reflux Disease (GORD). The system comprises of a small pH Capsule with delivery device, data recorder, calibration stand and analysis software. The pH capsule is fixed to the oesophageal mucosa using a straightforward delivery device with a simple 3 step, slide and click process, reducing the risk of issues with either deployment or attachment of the pH capsule.



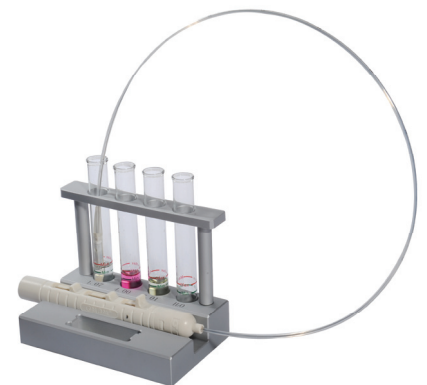
Unlike conventional pH monitoring using trans-nasal catheters, patients are less aware of the procedure and more likely to maintain their regular lifestyle, activities and diet providing the clinician with more realistic profile of the frequency and severity of the acid reflux. Patients are also able to remove the data recorder during sleep and whilst bathing.

The pH value within the oesophagus is monitored continuously for 4 full days (96 hours) of acid detection. The monitored data is transmitted wirelessly to the external data recorder, worn with either a shoulder strap or belt. Upon completion of the recording the data is uploaded and analysed via the computer software. The pH capsule will naturally drop off from the mucosa and exit the body.



Advantages of the Synmed pH capsule wireless monitoring system include:

- Simple capsule deployment, using 3 slide switches
- Improved data integrity (data is temporarily stored in capsule before transmission to data recorder)
- Up to 96 hour recording allowing for 4 full days of acid detection
- Dry reference electrode resulting in longer shelf life



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