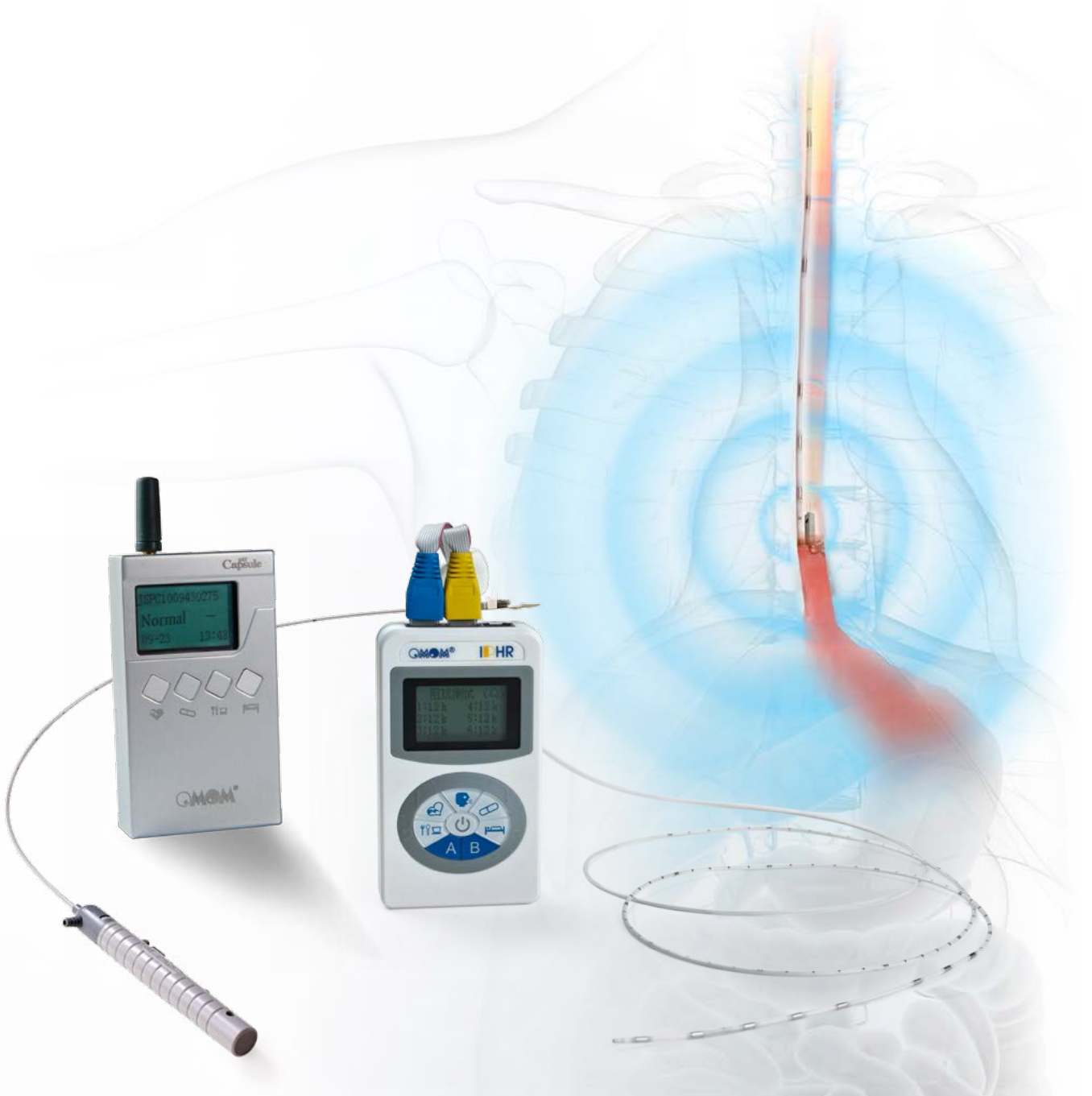




JINSHAN
Science & Technology

| New GI Insight



Reflux Monitoring System

Catheter with pH and Impedance / Wireless pH Capsule

Definitive standard in GERD diagnosis

Establish A Clear Path in GERD Diagnosis

As the choices for diagnosing GERD proliferates, it can be really challenging to choose the right steps for clear diagnosis.

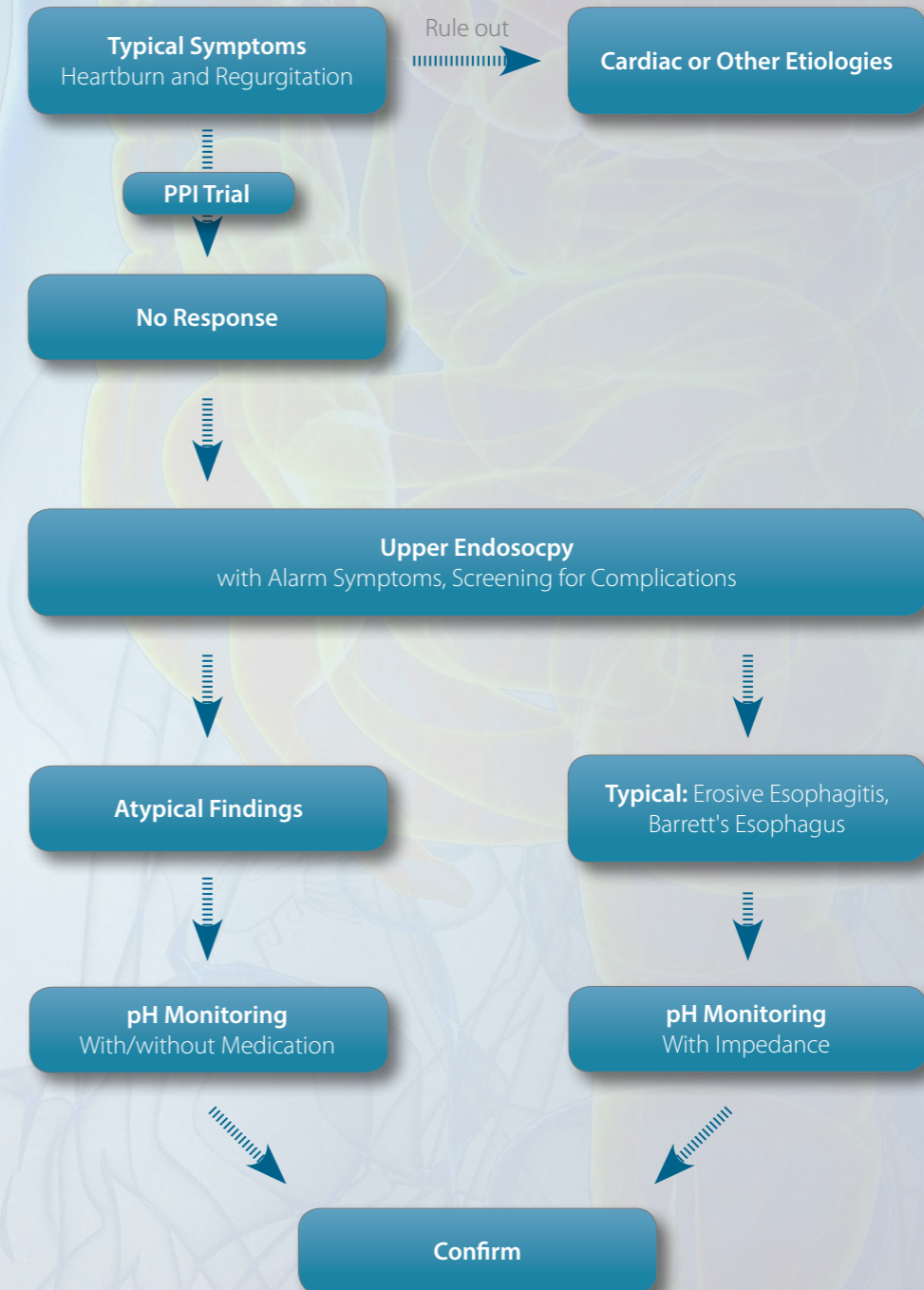
While empiric PPI therapy could be effective, it has a limited sensitivity of 78% and specificity of 54%.

The choices of Barium swallow, Endoscopy, Esophageal biopsy and other tests all have very specific indications and cause unnecessary discomfort for patients.

Ambulatory reflux monitoring (pH or Impedance-pH) is the only test that allow for determining the presence of abnormal esophageal acid exposure, reflux frequency and symptom association with reflux episodes.

Whether the choices of telemetry capsule or transnasal catheter, pH monitoring has excellent sensitivity (77-100%) and specificity (85-100%) in patients with erosive esophagitis, the added impedance monitoring could increase the sensitivity to 90%(from 70%) in cases with endoscopy-negative reflux symptoms.

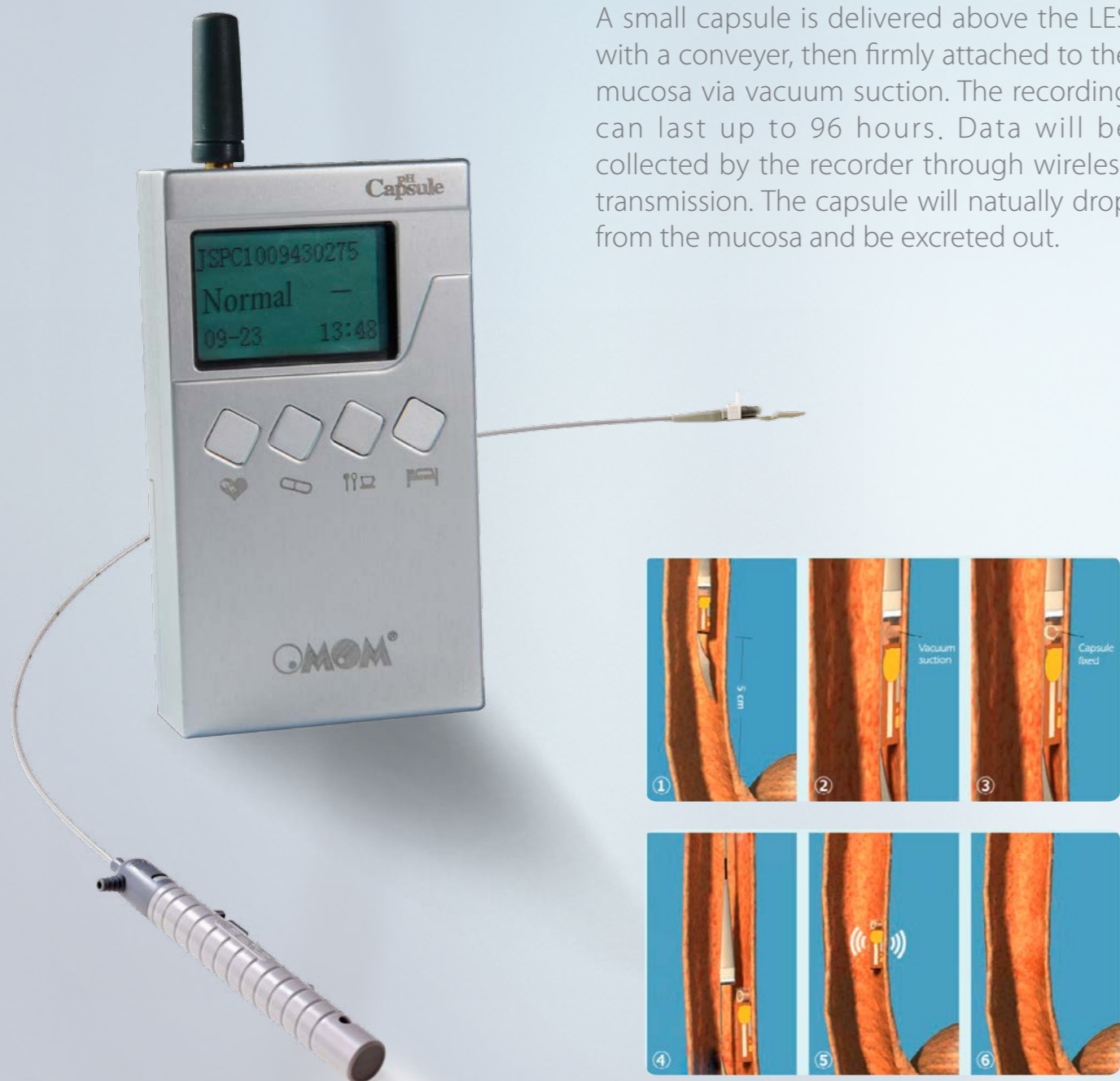
Ambulatory Reflux Testing in GERD Diagnosis



Wireless pH Monitoring Capsule

Wireless pH monitoring capsule is the newest advance in ambulatory reflux monitoring.

A small capsule is delivered above the LES with a conveyer, then firmly attached to the mucosa via vacuum suction. The recording can last up to 96 hours. Data will be collected by the recorder through wireless transmission. The capsule will naturally drop from the mucosa and be excreted out.



Compact Design

Our capsule is one of the smallest in product volume in the competition, with the measurement of only 6.0*5.5*26.5mm and weights just 1.4 grams. The capsule support recording up to 96 hours data.

Intermission and Transmission

Sampling is fast and accurate (Every 3 Seconds), with double data protection. The transmission can be achieved within 3 meters, providing more comfort for patients. Supports USB for high-speed data download.

Setup and Calibration

You can use both your computer or the recorder to calibrate the capsule. Calibration is fast and easy.

Comfort and Utilization

Patient is free from nasal catheter, the delivering process, which uses depressurization is very straight forward, fast and painless.

Calculation and Report

Supports SI, SAP indication calculation. Generates pH data analysis table, process Demeester rating automatically.

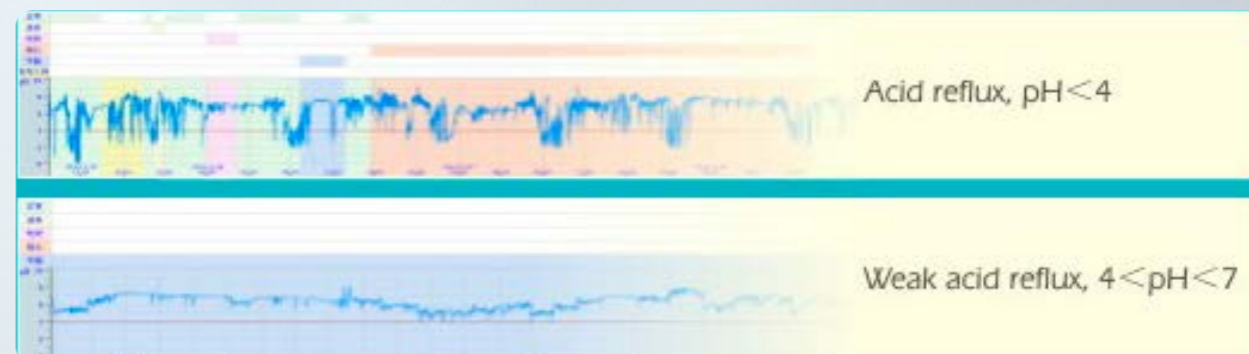
	Total	Normal	Meal	Symptom	Supine
Duration time(HH:MM:SS)	23:56:32	15:34:33	0:39:18	0:16:11	7:27:39
Reflux times(pH<4)	56	56	0	0	0
Longer reflux times(>5 minutes)	1	0	0	0	1
The longest reflux time(HH:MM:SS)	0:06:31	0:00:00	0:00:00	0:00:00	0:06:31
Total time of pH<4(HH:MM:SS)	1:36:10	1:07:40	0:00:00	0:03:35	0:24:54
Percentage of the time while pH<4(%)	6.7	7.2	0	22.1	5.6

DeMeester **26.4** Reflux exponential **6.7**

Total 0-24Hours 25-48Hours 49-72Hours

Diagnosis Aid

The program indicate possible reflux episodes through intelligent analysis.



Reflux Monitoring System with pH/Impedance

Our catheter based reflux monitoring system support pH and impedance recording. Made from TPU(Thermoplastic Polyurethane), our catheter maintains rigid and flexible structure while keep industry leading small diameter, providing the best comfort and care for patients.

State of the art eletrode technology provides quick 2-minutes calibration process, excellent measurement precision and long shelf life.

Data is recorded over a period of 24 hours then downloaded to workstation for further analysis.



Wide variety of catheter choices

- Slim catheter diameter as small as 2 mm.
- Comfortable and flexible material
- Up to 14 configuration of different length and sizes.
- High precision eletrodes
- 2 Years long shelf life

Workstation Software

- Setup and Calibration guide
- Data import and analysis
- Perform various calculations including SI, SSI and SAP
- Custom and export reports.



Recorder

- 1 GB storage capacity for long-time recording
- 6 default record modes and 2 user-defined modes
- Compact and light, powered by one AA battery



Chongqing Jinshan Science & Technology (Group) Co., Ltd.

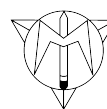
Address: 18 Nishang Road, Yubei District, 401120 Chongqing, China

Tel: +86-23-86098099 Fax: +86-23-86098082

english.jinshangroup.com



Distributed by:



MATLA
SYSTEMS, S. L.

c/Luis I, 72 - 28031 Madrid

Tlf.- 913801036

E-mail info@matlasystems.com