



Dear Colleague

## Third Generation PillCam now available at Braemar

Braemar has been offering PillCam capsule endoscopy since 2007 and has now upgraded to the latest SB 3 technology.



Actual size



Compared to previous generations of PillCam SB, PillCam SB 3 offers:

- **More detail**—redesigned and optimised optics deliver exceptional images of the mucosa and greater diagnostic confidence
- **More coverage**—adaptive frame rate technology allows the system to sense when the capsule is moving quickly and automatically increases the image capture rate from 2 to 6 frames per second

- **More efficiency**—the system's significantly improved video processing engine enables even smarter video compilation

Each component of the PillCam SB 3 system - capsule, software, recorder, and sensor belt - has been fine-tuned to work in concert. Together, they vastly improve image quality, tissue coverage and interpretation efficiency.

The recorder is a central component of the new system. It actively communicates with the capsule throughout the procedure and has the ability to display real-time images.

The sensor belt is more comfortable and convenient for the patient than the traditional sensor array. The sensors incorporated within the belt eliminate the need for adhesive sensor sleeves and reduce patient preparation time.



### How does it work?

After fasting, patients swallow the PillCam and allow it to pass naturally through the digestive system. In the subsequent eight-hour period, PillCam transmits approximately 50,000 images via a sensor belt worn around the patient's waist to the recorder. These images can then be downloaded and reviewed by the Gastroenterologist. PillCam's technology allows doctors to visualise the small bowel, esophagus and colon, which is vital for detecting various abnormalities and diseases, such as obscure gastrointestinal bleeding (OGIB), iron deficiency anemia (IDA), Chron's disease, esophageal varices, Barret's esophagus and esophageal cancers.

### Capsule endoscopy vs traditional endoscopy

Unlike traditional endoscopic procedures, capsule endoscopy does not require any sedation. It is a simple process and allows patients to continue with their daily activities while the capsule passes through their digestive system. Capsule endoscopy is also the only technology that allows the visualisation of the entire small bowel, an area that cannot be reached with traditional endoscopic methods.

PillCam is also an option for patients who are not able to undergo traditional endoscopy, like when the colon is partially obscured (occurs in five percent of procedures) or for patients for whom sedation is a risk.

### Summary of PillCam SB Benefits

- Offers a simple, safe, and non-invasive method of visualization
- The only technology that allows the visualisation of the entire small bowel
- Does not require sedation, intubation or insufflation
- Greater patient satisfaction compared to endoscopy
- Can go about daily activities during procedure
- No recovery time

PillCam capsule endoscopy services at Braemar Hospital are provided by the Tawa Street Clinic Gastroenterologists Dr Jim Brooker, Dr Graeme Dickson and Dr Tony Smith.

Kind Regards,

Dr Greg Spark – Deputy Chairman

### For patients with a Southern Cross health insurance policy the eligibility criteria is:

1. Occult or overt gastrointestinal bleeding / iron deficiency indicated by an acute drop in haemoglobin / haemocrit, where the cause has not been diagnosed using prior gastroscopy / colonoscopy, and the cause is suspected to reside in the small intestine
2. Investigation of suspected Crohns disease where the following criteria must be met:
  - Persistent abdominal pain of greater than four weeks
  - Persistent diarrhoea
  - Negative stool cultures, and
  - No definitive diagnosis from prior / lower endoscopy procedures
3. Investigation of possible small bowel tumours
4. Investigation of Peutz-Jegher's syndrome

A copy of their preferred Referral Form can be found at <http://33tawa.co.nz/gastroenterology/patient-information/> or if you would prefer an electronic copy please email [traceyn@braemarhospital.co.nz](mailto:traceyn@braemarhospital.co.nz)

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