

Tristel Stella for simple GI manometry disinfection



Rising to the challenge at Castle Hill

When the GI Physiology department at Castle Hill Hospital, East Yorkshire, upgraded to high resolution manometry catheters they needed to also establish a new cleaning system. It didn't take them long to narrow down their options to the Tristel Stella disinfection system.



Tristel's portable *Stella* disinfection system

Upgrading to high resolution

High resolution manometry (HRM) is a gastrointestinal (GI) motility diagnostic method that measures intraluminal pressure activity within the GI tract using a series of closely spaced pressure sensors.

Castle Hill Hospital has upgraded to HRM catheters for both oesophageal and anorectal manometry. Warren Jackson, Clinical Physiologist and Physiology Manager, explains, "Our HRM catheter manufacturer recommends the use of Tristel solutions for disinfection, however, we wanted to look at other options before making a decision. We quickly came back to Tristel based on ease of use, audit trail capability and feedback from other users."

Going automatic

Warren found that, having spoken to other colleagues who were using Tristel solutions without an automated system such as Stella, it couldn't always be guaranteed that the required five minute contact time was adhered to. "We were keen to adopt an automated approach that would guarantee each step. The machine drains automatically so it doesn't matter if you need to take phone calls or deal with other issues during the disinfection process."



Two Stella disinfection systems have now been in daily use at Castle Hill Hospital for 1½ years. They are used by four people who all received training from Tristel. “The installation process went very smoothly and the training has been good,” comments Warren. “A very simple but useful instruction manual is also provided.”

In action

As soon as an HRM catheter is extubated from a patient, the team at Castle Hill Hospital cleans the catheter in a sink to remove any debris. They then use Tristel pre-clean wipes to remove any residues such as that left by the use of sticky tape. The catheter is loaded into the Stella unit together with a sachet of Tristel Fuse for Instruments and five litres of water. This produces a chlorine dioxide (ClO₂) solution that is sporicidal, mycobactericidal, bactericidal, fungicidal and virucidal within a contact time of only 5 minutes. After this time, the catheter is rinsed then ready for use. If the time between uses is greater than three hours, the catheter is re-cleaned before use in line with British Society of Gastroenterology (BSG) guidelines.

Leaving a trail

Tristel Stella comes with a visual display unit (VDU) that not only shows what stage the cycle has reached, but also provides a full audit trail. “This was a very important feature for us,” says Warren.

“Hopefully it’s never needed, but should there be any concerns over infection risk, we can look back at the records to check the details of the catheter’s cleaning and which patient the catheter was used on.”

Back up

The two Stella systems at Castle Hill Hospital have proved to be extremely reliable. Warren comments, “Despite regular use, we have only experienced one problem. We phoned the Tristel rep who arranged for a new VDU to be provided on the same day, so we had no down time. Tristel’s customer service is second to none – they are always on the end of the phone if we have questions and should we need extra high level disinfectant solutions, they are here the next day. I only wish I could say the same about other companies!” ■

For further details regarding Tristel’s Stella system, or to find out more about any of Tristel’s other products, please contact:

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The main features of Stella:

- Controlled cycle time and process
- Reduces amount of disinfectant needed per cycle
- Unique shape creating protective environment
- Single-use of disinfectant in a manual process
- Best practice for partially immersible instruments
- Recording of all events
- Small, battery powered, mobile device
- Easy set-up and low maintenance
- Low capital investment

The benefits of using Stella Pulse Disinfection System and Tristel chlorine dioxide based Fuse for Instruments include:

- Quick turnaround of instruments allows faster patient throughput
- Significant cost savings in comparison to a fully automated washer disinfector
- Safety and peace of mind for doctors, nurses, infection control officers and patients
- Fast, safe and convenient decontamination of solid state catheters
- Recommended by catheter manufacturers, including for use with high resolution manometry catheters

Tristel Solutions Limited
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May 2012