Need for efficiency

Recent reports from NHS Improvement suggest that hospitals could carry out hundreds of thousands of additional elective operations each year through the better utilisation of operating theatres.

On top of this, further pressure is exerted from increasing waiting times and the desire for earlier discharge to minimise bed stay days.

Major impact

Clinical studies¹ demonstrate that some laparoscopic surgical procedures are taking longer than necessary due to laparoscopic lens fogging. This can account for over 30 minutes of wasted theatre time each day. Scope fogging has a negative impact on the image which can lengthen the procedural time by up to 6.7 minutes per patient. In extreme cases, this may threaten conversion to open surgery, or if severe, the patient’s life.²

Accumulated over a year, this time saving could potentially allow a hospital to carry out 240 additional procedures per year and benefit from the associated revenue.


Think differently

What if there was a solution which meant you never had to defog the scope manually, reducing procedural time and therefore theatre delays, maximising patient safety, potentially allowing you to add more cases to a list and reduce waiting times?

Solution

The Aesculap EinsteinVision 3.0 3D Camera System offers an integrated heating element in the endoscope tip which effectively and permanently prevents fogging of the optics. This means procedures can be carried out faster without interruption from scope fogging.

**IMPROVED EFFICIENCIES AND PRODUCTIVITY**
- Minimal set up requirements
- Potential to reduce procedure times
- Potential to increase patient throughput
- Increase productivity

Do you have any procedures or lists booked that could benefit?
The current developments in healthcare pose a variety of challenges for hospitals, including:

- Increasing cost pressure
- Cost and treatment transparency
- Necessity for process optimisation
- Increasing infection control requirements
- Reduction of interfaces and errors
- Balance between staff satisfaction and time pressure
- Competition for patients

How can new products contribute to bringing about improvements in these areas?

AESCULAP®
3D EinsteinVision® 3.0

SEE BETTER

Premium 3D
EinsteinVision® 3.0 offers exceptional 3D image quality with native Full HD resolution. In addition, the system wows with an impressive depth of field and high image contrast.

Pure viewing pleasure

Anti-fogging function
Fogged optics impair the view, disrupt work and can affect patient safety. Integrated heating elements in the endoscope tip of the camera effectively and permanently prevent fogging of the optics within seconds.

Clarity

Sterile sleeve
Our sterile handling concept eradicates the need for reprocessing the camera head and provides a consistent 3D image quality without the associated sterilisation degradation.

This results in a simplified product handling process providing confidence that the system will always be available when required.

Process optimisation

Red enhancement
A clearer representation of vessels and greater differentiation of red tones are also desirable.

The integrated algorithm provides precisely that at the push of a button.

Contrasted image
SEE BETTER

Platform technology
In combination with EinsteinVision® 3.0, 3D and 2D camera heads are used
Can be used universally

Cable management
Integration of camera and light lead in a single cable
Less is more

Maximised depth of field
Continuous, ultra-sharp images throughout the surgical field without manual or automatic re-focusing
Always in focus

Image rotation
When you need to invert your view, you can rotate the image at the push of a button (180° image rotation)
Adaptable

ZOOM
Enlargement of image details at the push of a button
Flexible

Light
LED offers high quality light, optimal colour rendition, long service and less maintenance
Always available

Handling
Ergonomic camera head design enables a proper orientation for the viewing position
Simply good

TO PROTECT AND IMPROVE
THE HEALTH OF PEOPLE AROUND
THE WORLD

AESCULAP®
3D EinsteinVision® 3.0

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red dot design award
winner 2017

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