OPAL1® Technology for NIR/ICG by KARL STORZ –

The laser-free solution to perform NIR/ICG imaging

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NIR/ICG Imaging – Important customer information

NIR/ICG imaging is a brilliant tool to visualize blood, biliary and lymphatic system perfusion. Applications are versatile, ranging from anastomotic insufficiency identification, visualization of the biliary tree during cholecystectomies to lymph node detection around tumors, making NIR/ICG imaging a necessary visualization tool for the modern OR.

What is needed?

NIR/ICG imaging requires two things: Near infrared (NIR) light and the fluorescent dye indocyanine green (ICG). A special camera is required to visualize NIR light as it is invisible to the naked eye.

NIR light sources should be safe and should not expose the patient or OR team to unnecessary hazards, especially if high light intensity is needed as for the excitation of fluorescence.

NIR laser protective glasses? – No!

A simple and safe solution is the use of incoherent light sources which are available in Xenon lamps. Contrary to laser-based systems (class 3R), there is no consideration about special protective measures required.

Is there a safer alternative? – Yes!

The OPAL1® technology for NIR/ICG by KARL STORZ is a Xenon-based NIR imaging system. It eliminates the need for special safety precautions.

Turn the page with us and get an inside view into the abilities of the OPAL1® technology for NIR/ICG

OPAL1® technology for NIR/ICG by KARL STORZ – the laser-free solution for your NIR/ICG imaging

Let's take a look at the laser-free OPAL1® technology for NIR/ICG:

Features:

- Brilliant Full HD white light image quality
- Parallel fluorescence and surrounding tissue illumination
- Intuitive switch from white light to fluorescence mode by footpedal
- One imaging system for laparoscopic and open surgery with the VITOM® II ICG expansion
- Enhanced fluorescence display with SPECTRA A* for weak fluorescence areas
- Interdisciplinary use across all specialties

And more:

With the IMAGE1 S™ platform solution you will be able to tailor your NIR/ICG imaging tower to your individual needs. You can add whatever components you like for hybrid approaches:

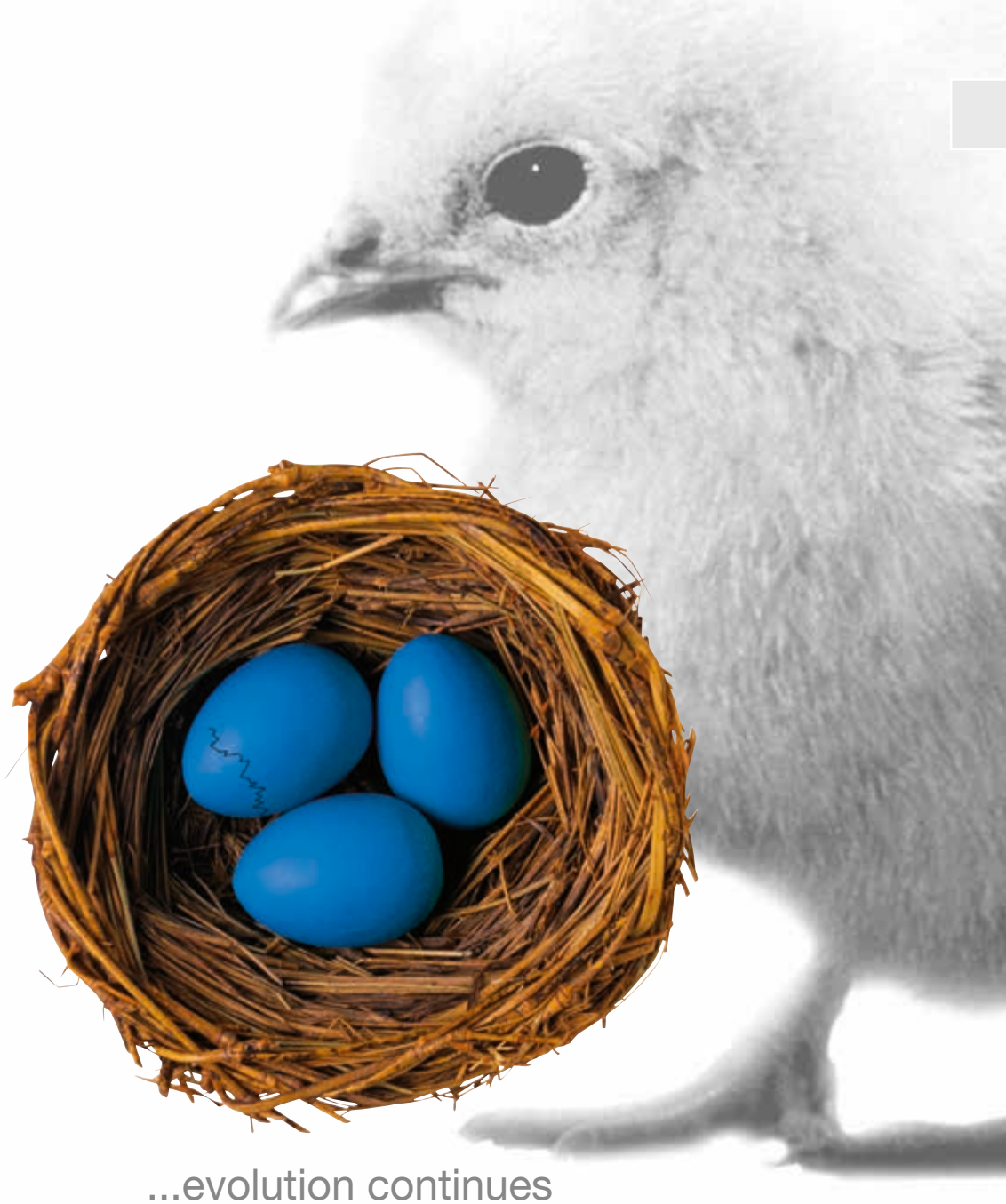
- 3D imaging unit
- Flexible endoscopic imaging unit
- 4K imaging unit

Are you concerned about your safety?

Make an appointment with us today and test the KARL STORZ OPAL1® technology for NIR/ICG now!

* not for sale in the U.S.

It is recommended to check the suitability of the product for the intended procedure prior to use.



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THE DIAMOND STANDARD

KARL STORZ SE & Co. KG
Dr.-Karl-Storz-Straße 34, 78532 Tuttlingen/Germany
Postbox 230, 78503 Tuttlingen/Germany
Phone: +49 (0)7461 708-0
Fax: +49 (0)7461 708-105
E-Mail: info@karlstorz.com
www.karlstorz.com

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