

# Reykjavik's interactive teaching platform for oral surgery



The image quality exceeded my expectations. Video resolution is excellent, better and more detailed than human eyes.

- Gudmundur A. Bjornsson, Oral surgeon

In the majestic Icelandic scenery of Reykjavik oral surgeon Gudmundur A. Bjornsson's clinic is growing to be an innovative hub for oral surgery for the Nordic countries. The clinic is already a head of its time, regarding its medical practise. Specialising in trauma implants, oral maxillofacial and ortognat surgeries, these procedures are not likely to be seen outside of hospitals.

Originally from Iceland, Mr. Bjornsson lives and runs his own clinic GAB in Reykjavik, Iceland. His work and lecturing skills are renowned far beyond Europe's borders. As well as being a lecturer at conferences around the world, he is lecturing Norwegian students at the dentistry faculty in Oslo.

Integrating the clinic's surgical lights with OpenOR and a HD camera, he is introducing his students to a new and modern teaching method, that is highly interactive.

Video recording surgeries with live footage and images will help oral surgeons and students get a first-hand view and better understanding of surgical techniques and procedures.

**Merivaara delivered RIMSA PentaLED 30E surgical light with TVCC camera and OpenOR Classic together with ELO touch monitor. After short term use a surgical Barco monitor was also ordered.**

*OpenOR™ is a revolutionary open architecture management system that integrates operating room devices, data and image management based on the needs of the surgical department.*

*Based on open architecture and modularity, the new system decreases the need for large investments thus helping healthcare providers save costs.*

*OpenOR™ Classic main benefits*

- Based on existing cabling (HD, SDI, DVI, etc.)
- Compact size, low power consumption
- High capacity
- Fast deployment and roll-out
- Easily extendable without supplier limitations

*OpenOR™ Classic is particularly suitable for small and mid-sized hospitals with 1 to 5 operating theatres. It is also a very cost-efficient solution for renovation projects with low budgets.*



## CHALLENGE

- Documentation procedures interfering the surgeon.
- Confusing folder structure / storage handling for patient images and videos.
- Camera control and close-up macro footage quality not at premium level.

## SOLUTION

- Integrating surgical light head with TVCC camera. Light and camera are always positioned correctly towards the operating field.
- Integrating OpenOR control unit with TVCC camera for storage handling.
- OpenOR creates intuitive folder structure with images and videos for each patient.
- OpenOR integrated with TVCC gives operator a control of camera roll and zoom functions, as well as whitebalance and focus from ELO touch screen.

## BENEFITS

- Ease of positioning for the image capture and light field.
- Easy file handling: import/export images & videos between Patient folder and USB devices.
- Superior image quality with optical & digital zoom from surgical light camera (TVCC) for macro footage.

Merivaara Corp.  
 Puustellintie 2, FI-15150 Lahti, FINLAND  
 Tel. +358 3 3394 611, fax +358 3 3394 6144  
 merivaara@merivaara.com  
 www.merivaara.com

