

St. Antonius Hospital sets new standard with the Orpheus-Medical System

Background

St. Antonius Hospital in Gronau, Germany, is home to the largest urological center for robot-assisted surgery in Europe (ERI), performing about 1,500 procedures annually using three da Vinci® surgical robots, and serving as a teaching center for clinicians from all over Europe.

For a long time the hospital was using a very cumbersome video recording solution that did not meet all their needs. The main disadvantage was the inability to support 3D da Vinci® cases and the inadequately large datasets of movies which had to then be downgraded to standard definition post acquisition. The delayed compression had physicians wait a long time before the video was ready for review and distribution.

Enter the Orpheus Medical Platform

“Before we decided to go with Orpheus Medical as our archiving and broadcasting provider”, says Dr. Witt, “we evaluated other suppliers as well. The Orpheus System stood out and proved to be a much superior solution.”

With its turnkey system and user friendly design, hooking up the Orpheus System to the da Vinci® system proved to be the solution. The built-in support of 3D and high quality video capture provided immediate return on investment. The advanced archiving and live streaming capabilities of the Orpheus System enable the hospital to utilize it for teaching purposes, creating a vast catalog of interesting cases used to improve quality of care.

Improving Patient Care

The Orpheus System has improved the interaction between the different physicians by allowing them to view live cases and perform realtime bi-directional collaboration and feedback between the operating rooms and physician’s offices.

The *TimeShift* feature allows the physician to view a recorded procedure, while it is still being record in the operating room. “This feature enables



Dr. Jörn H. Witt, Chief of Department of Urology and PZNW

the physician to examine different points of the operation in real time without having to wait for the operation to end in order to review it. We have been using this feature when in need to consult with one’s peer or obtain second opinion”, explains Dr. Witt.

Setting the Standard

“On top of the technical aspects of the system”, adds Dr. Witt, “Orpheus Medical proved to be a professional company, who installed and integrated the system smoothly and without interrupting the department’s ongoing activities.”

We have been very happy with our decision and believe documenting and digitally archiving procedures will become mandatory in all hospitals in the future. This will directly improve treatment quality and patient safety.

Dr. Jörn H. Witt, Chief of Urology