CASE

Kantonsspital St.Gallen

KANTONSSPITAL ST.GALLEN

The cantonal hospital of St.Gallen (Kantonsspital St.Gallen - KSSG) is one of the largest hospitals in Switzerland and considered the central hospital of Eastern Switzerland. It specializes in primary care tasks and functions as the central hub for the entire canton of St.Gallen and its neighboring regions. Structured and systematic continuing education has a high priority at the KSSG. Continuing education for employees is carried out jointly with the clinics by the “Ostschweizer Schulungs- und Trainingszentrum” (OSTZ). In addition, the KSSG is actively involved in diverse research projects and acts as a cooperative partner of numerous institutions involved in healthcare.

Challenges

- Medical education and training is facing enormous challenges as it is a complex and rapidly changing field. The digital transformation as well as the constant technological developments and societal changes lead to exponential alterations in the field of medical education, which requires an everlasting adaptation of all involved stakeholders.
- There is a lack of time pressure and pressure to act at all levels. These high and complex demands on future teaching and learning systems for residents must be considered as a whole.
- Innovative cantonal and intercantonal curriculum programs for residential training have already been created to meet these challenges, but the current digital learning architecture of the OSTZ cannot efficiently cover the multi-layered tasks.
- The goal of the project “Digitization of the Learning Processes of the OSTZ” was to test whether Area9 Rhapsode™, the adaptive, artificial intelligence-based platform, provides a future-proof teaching and learning infrastructure for designing and delivering efficient residential training.

Solution

- Holistic solution strategies for residential training were developed and tested for the four disciplines of surgery, neurosurgery, gynecology, and orthopedics at KSSG using Area9 Rhapsode™ . These included adaptive eLearning, activities, federated content, competency frameworks, experience points, and exams.
- The future integration of virtual reality training with VirtaMed as well as surgical simulators with CAE Healthcare was implemented.

Outcomes

- As part of the pilot project, it was possible to address a wide range of challenges in the residency curriculum of the four specialties of surgery, neurosurgery, gynecology and orthopedics. Based on existing course materials from previous classroom courses, Area9 Lyceum created adaptive courses in close exchange with the senior physicians of the KSSG, which were positively evaluated by the test users. In addition, Competency Frameworks, CanMeds, EPAs as well as simulators were successfully integrated, which enabled the documentation of practical exercises and training within the system.
- It could be shown that Area9 Rhapsode™ provides a future-proof teaching and learning infrastructure with which the complexity and dynamics of the medical training environment can be actively addressed. Ostschweizer Schulungs- und Trainingszentrum (OSTZ) is planning future implementations of Area9 Rhapsode™.

“Digital transformation is changing the world exponentially. Physician education is facing complex challenges and will change fundamentally. We think about the day after tomorrow and rely on future-proof technology to find solutions with Area9.”
Dr. Carsten Ostendorp
Head Ostschweizer Schulungs- und Trainingszentrum
Kantonsspital St.Gallen

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RESIDENCY TRAINING IN THE CANTONAL HOSPITAL OF ST.GALLEN