ZK based Momo integrated with Cerner's i.s.h.med and Philips' ICCA Systems

Medexter Healthcare

www.medexter.com

Located in Vienna, Austria, Medexter Healthcare develops and markets knowledge-based systems for clinical decision support. The aim of these high-tech software solutions is to promote quality assurance and patient safety in diagnosis, therapy, prognosis, and patient management.

ZK x Medexter

ZK is used in three software projects: ArdenSuite Server, MONI (Monitoring of nosocomial infections) and MOMO (Monitoring of microorganisms). Both MONI and MOMO's web front-end projects are developed with ZK and are currently under development for further features.

ZK is an easy-to-use Framework, allows fast front-end development and supports the MVC pattern. With ZK, it is easy to build a complex web application front-end within an acceptable timeframe. Moreover, ZK's support team responds very quickly, always provides helpful advice, and informs about the resolution of bugs within ZK.

Momo

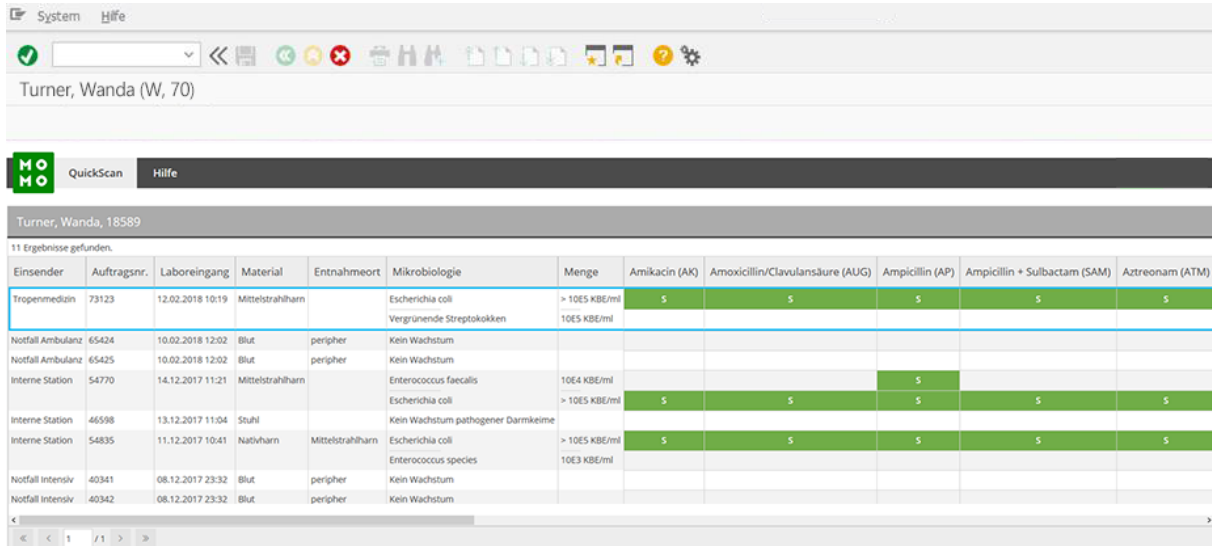www.medexter.com/products-and-services/clinical-solutions/microbiology-and-amr

ZK is used in Medexter's software Momo, a microbiology analytics and clinical tool for hospitals in order to monitor pathogens and antimicrobial resistances. The software can play an important role in avoiding the occurrence of epidemics inside a medical institution and helps medical personnel with prescribing adequate antibiotics while battling multi-drug resistant bacteria. Momo's QuickScan functionality gives immediate single patient overviews with all or all positive, approved results for one patient. It serves as a fast clinical tool for the attending physician and is always up-to-date.

Momo One-Click Access via Cerner's i.s.h.med and Philips' ICCA Systems

In Vienna's General Hospital, our Momo software has been running in clinical routine for several years now as a web application accessible via browser. Recently, clinical users have requested that Momo, especially Momo's QuickScan functionality, be accessible from directly inside the hospital's information system (Cerner's i.s.h.med) as well as the hospital's intensive care systems (Philips' ICCA). Thus, we developed an integration for both systems with the aim to display the Momo QuickScan result for a single patient and for an entire department with just one click from inside these two systems.

With ZK we can integrate the representation of complex medical data without the pitfalls of common user interface development. We can focus on the needs of medical staff and rely on the framework to do the "dirty" work.

The result is accessible by clicking a Momo button in the respective system's patient or department overview without the need to open a browser and login to Momo. Users are already logged into i.s.h.med or ICCA and do not have to additionally log into Momo to view the requested QuickScan result. The ZK-based QuickScan result is displayed directly in the graphical user interface of the respective host system. The result looks like this:

*anonymized patient data

Momo QuickScan result for one patient integrated into Cerner's i.s.h.med GUI