conferenceseries.com

Joint Event 5th Global Summit on HERBALS AND TRADITIONAL MEDICINE 11th World Congress on PRECISION AND PERSONALIZED MEDICINE August 14-15, 2019 | Auckland, New Zealand

A FHIR based questionnaire tool for patient reported outcome

C N L Beutter^{1,2}, D Zsebedits¹, U M Martens and C Fegeler¹ ¹Karl-Ruprecht University Heidelberg, Germany ²University of Applied Science in Heilbronn, Germany

E levating quality of life is the most important output of Patient Reported Outcome (PRO). Standardized questionnaires, like QLQ-C30, allow a good data acquisition and help physicians to get comparable data. But the continuous collection as well as the longitudinal interpretation of that collected data is challenging. MOLIT developed a questionnaire-tool that tries to help with that challenge in daily practice. It is based on FHIR, what guaranties a platform and hardware-independent communication and the integrity of the collected data. Patients may fill out their questionnaire location-independently on their mobile devices daily and thereby allow the physician a monitoring of their therapy. The questionnaire-tool is based on FHIR so it may represent any questionnaire that is built in that standard. With that it gives health professionals the possibility to transmit additional questionnaires, if they detect an abnormal answer of one of their patients. The tool also gives the opportunity to include a logic that does this process automatically. With the aim to use questionnaires not only in studies, but also in daily practice, the need of a flexible and universal useable communication to practice personalized medicine. We'd like to demonstrate our approach and first results in that use case and show the opportunities of our tool based on a meta-analysis. Using digital health, we can solve the challenge to build a bridge between patients, physicians and also scientists to benefit them all within the same system.

Biography

C N L Beutter is currently pursuing her Masters in Medical Informatics from Karl-Ruprecht University of Heidelberg and the University of Applied Science in Heilbronn.

hantal.beutter@molit.eu