12. STRUCTURED MEDICAL DOCUMENTATION IN THE OR: MEDICOLOR WEB AND MEDIANES WEB: WEB BASED SOLUTIONS FOR SURGERY AND ANAESTEHSIA

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Introduction: Medical documentation is absolutely essential in the OR. It fulfills the verification of the patient's course of medical treatment, the current treatment status and forms a basis for downstreamed steps, which is necessary for e.g. settlement, research and quality management. Hence, the relevance of medical documentation is becoming clear. The scope of the importance is pointed out in the following text in more depth.

Method: On this background, we want to construct the following thesis: ''The future of medical documentation lies in its structure'' It includes the capturing, saving, arrangement and regaining of data and documents. The regaining shall be ensured at the right time, at the right place, in target appropriated structure, just for authorised people in complete and reliable form. Hence, a structured capturing of examination data allows a quick and easy documentation of all crucial questions in context with a medical examination: WHO has figured out WHAT, WHEN, WHY, with WHOM and FOR WHOM with WHICH RESULT? The basic conditions in today's health care sector, show a special challenge because of its complexity. By specification and differentiation of hospitals' structure and health care, numerous different parties from different departments are involved in a patient's medical treatment process. Con- sequential effect: Necessity of a consistent IT-support for the medical treatment process, which enables all the different parties the following aspects: Transparency of course of treatment, interdisciplinary cooperation of eachand every participant party, multidisciplinary integration and coordination. A new approach in the OR is the structured medical documentation as a web-based solution for surgery and anaesthesia. Currently, the hand written method is the most frequent method for surgery and anaesthesia documentation. But the increase of information processing demands PC-Post record, which at the current state is solved predominantly by entering the notes postoperative into an IT-system. Indeed, the Offline-Documentation involves a high risk of errors—as pointed out by a survey from 2003 even up to 50% within the Paper Documentation and up to 25% within Document Readers.

Result: A Web-based solution of IT-documentation- and integrationsystems in the OR, just as MEDNOVO MediColor Web for surgery and MediAnes Web for anaesthesia, enables all participant parties, hospital departments and the health care sector to become con- nected with each other in digital form. With the aid of cross-linked, complete web-based communication systems for the medical documentation, it is possible to guarantee a quality assurance to fulfill the statutory provisions, a reliable evaluation, the completeness of data and the pursuit of forensic goals.

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