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## Patient-centered Treatment with Software Assisted Medicine (SAM)

CompuGroup Medical invests 130 million euros in the healthcare system

**Koblenz, April 11, 2011: It's already a reality, patient-centered medicine that is supported through intelligent software. The so-called software assisted medicine provides the physician with patient-specific information for pending decisions – precisely when it is needed. TenScan, a CompuGroup Medical innovation, structures the medical data to provide this information.**

CompuGroup Medical AG will invest 130 million euros in the healthcare system within the next five years, for future-oriented product development. A series of articles provides information about the innovations.

During the treatment discussion, the physician must pay attention to a host of information as medical knowledge doubles approximately every four years; in addition, the patient record includes numerous diagnoses. How can the multitude of relevant criteria be grasped in a comprehensive manner? Medical histories are often very complex and medical knowledge is too extensive to be able to pick out all of the relevant factors and include them in the decision. In order to be able to better utilize this multitude of knowledge for medical decisions, CompuGroup Medical's SAM systems supports physicians in their daily work. However, in order to provide technical assistance, medical knowledge in a standardized format is necessary - data can only be linked, combined and compared if they are available in a uniform and structured manner. However, many medical documentation systems currently operate with informal text entries. Even numbers are often stored in an unstructured text format and great effort is required for computers to correctly evaluate them.

For that reason, CompuGroup Medical developed a technology called TenScan that has distinctly improved this problem. TenScan instructs various systems in how to determine and structure clinically relevant data and make the data available in a systematized manner via standardized interfaces.



In order to realize TenScan, CompuGroup Medical's team of experts created extensive catalogs of medical parameters for all relevant data areas that could occur in the medical office. Based on these parameters, algorithms prepare the respective data in such a manner that they can be processed by diverse systems. The various SAM modules then access the data that is now available, analyze their content and combine the information contained therein.

CompuGroup advocates for the best healthcare: based on the TenScan, individual information can be calculated for each patient and made available to the physician directly during treatment. This way, the physician is able to base his decisions on high-quality knowledge and the patient discussion remains the focus of treatment.

### **About CompuGroup Medical AG**

CompuGroup Medical is one of the leading eHealth companies in the world. Its software products are designed to support all medical and organizational activities in doctors' offices and hospitals. Its information services for all parties involved in the healthcare system and its web-based personal health records contribute towards safer and more efficient healthcare. CompuGroup Medical's services are based on a unique customer base of over 380,000 doctors, dentists, hospitals and networks as well as other service providers. CompuGroup Medical is the eHealth company with one of the highest coverage among eHealth service providers worldwide. Approximately 3300 highly qualified employees in 25 countries support customers with innovative solutions for the steadily growing demands of the healthcare system.

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