

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo
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Service (sector) Epidemiology - Information Technology Sector N° CEP

A computerized approach to administering the Department of Ophthalmology of the Federal University of São Paulo -UNIFESP / EPM Yogi, M.; Fukumoto, W.K.; Moriyama, A. S.; Olyntho, M.A.; Camilo, F.A.P.; Scarpi, M. J.

Purpose : To develop computer resources for the Department of Ophthalmology of the Federal University of São Paulo- UNIFESP/EPM to handle electronic medical records using security criteria, data mining and digital authentication, and compare the current medical records with the electronic medical records.

Materials and Methods: Hardware: servers dedicated to data bank programs with security systems to ensure no-break performance, data integrity, and system firewall. Data storage systems with high capacity tape capability. User interface through touch screen computers, mobile and wireless systems
Software: use of BD Oracle 9i, Windows 2000, Windows CE, ASP and Delphi interface at the desktops. Pilot project studies lasting 4 months will be used in specific sectors (Glaucoma and Uvea) aiming at evaluating interface and equipment viability

Results : The prospective results will be analyzed by statistical methods intended to compare the current medical records with the digital medical records. Conclusion: The study intends to establish a standard for the use of computers to be implemented by the Department of Ophthalmology of UNIFESP, allowing optimization of access to patient data. One of the major expected consequences is an increase of the scientific production of the Department.