Abstract

This Paper emphasizes on uniqueness and specialty of medical data mining. Healthcare related data mining is one of the most rewarding and challenging areas in application of data mining and knowledge discovery. The challenges are due to the data sets which are large, complex, heterogeneous, hierarchical, time series and of varying quality. The available healthcare datasets are fragmented and distributed in nature, thereby making the process of data integration a challenged task. The major issues related to tackle are ethical, legal and social aspects. Due to the lack of domain knowledge on the analyst’s behalf it becomes necessary for an active collaboration between domain specialist and data miner with ethical and legal clearance from specialized hospitals. Medical datasets constitute a significant part of medical research. Ethical concerns, especially issues of confidentiality have resulted in the introduction of stringent regulations in doing this form of research. The merits and demerits of these new regulations are debated all over the world. The introduction of regulations for individual informed consent will prove costly to Indian physicians. Attempts are being made to evolve a consensus in which ethical concerns are given due respect without discouraging research.

Reference
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Key words

| data mining | Databases |