Information Visualization for Medical Informatics

Effective medical care depends on well-designed user interfaces that enable users to benefit from the increasing abundance of information that supports decision making. Novel strategies in information visualization allow clinicians and medical researchers to explore in systematic yet flexible ways, so as to derive insights and make discoveries.

This talk begins with commercial success stories and explores their application to medical informatics. Then we look at research tools for electronic health records to find specified event sequences and to view compact summaries of millions of patient histories. Demonstrations also cover visual interfaces to support clinicians in understanding patient status, doing medication reconciliation, and tracking medical lab tests.