

Contents

1 Computerization of Clinical Guidelines: an Application of Medical Document Processing <i>Gersende Georg</i>	1
2 Case-based Medical Informatics <i>Stefan V. Pantazi, José F. Arocha and Jochen R. Moehr</i>	31
3 Analysis and Architecture of Clinical Workflow Systems using Agent-Oriented Lifecycle Models <i>James P. Davis and Raphael Blanco</i>	67
4 Virtual Communities in Health Care <i>George Demiris</i>	121
5 Evidence Based Telemedicine <i>George Anogianakis, Anelia Klisarova, Vassilios Papaliagkas and Antonia Anogeianaki</i>	139
6 Current Status of Computerized Decision Support Systems in Mammography <i>G.D. Tourassi</i>	173
7 Medical Diagnosis and Prognosis Based on the DNA Microarray Technology <i>Y. Fukuoka, H. Inaoka and I. S. Kohane</i>	209
8 Wearable Devices in Healthcare <i>Constantine Glaros and Dimitrios I. Fotiadis</i>	237
Index	265