

# CONTENTS

<i>Preface</i> . . . . .	v
--------------------------	---

## Section I The Context of Telemedicine

<b>Chapter 1</b> Telemedicine and the Health Care System . . . . .	5
<i>Rashid L. Bashshur</i>	
<b>2</b> Telemedicine: Restructuring Rural Medical Care in Space and Time . . . . .	37
<i>Gary W. Shannon</i>	
<b>3</b> Community Health Information Networks (CHINs) and Their Relationship to Telemedicine . . . . .	53
<i>Bruce A. Friedman and Will Mitchell</i>	

## Section II The Technology of Telemedicine

<b>4</b> Telemedicine Technology . . . . .	79
<i>John R. Searle</i>	

## Section III Clinical Applications of Telemedicine

<b>5</b> Teleradiology . . . . .	111
<i>Joseph N. Gitlin</i>	
<b>6</b> Telepathology . . . . .	179
<i>Ronald S. Weinstein, Achyut Bhattacharyya,         John R. Davis, and Anna R. Graham</i>	
<b>7</b> Telemedicine and Primary Care . . . . .	211
<i>James E. Brick</i>	
<b>8</b> Teledermatology . . . . .	225
<i>Anne E. Burdick and Brian Berman</i>	
<b>9</b> Teleoncology . . . . .	249
<i>Ace Allen and Gary Doolittle</i>	

- 10 Telepsychiatry: Application of Telemedicine  
to Psychiatry ..... 265  
*Lee Baer, Peter Cukor, and Joseph T. Coyle*

**Section IV Telemedicine Systems**

- 11 Telemedicine in the United States ..... 291  
*Jim Grigsby*
- 12 Telemedicine and the Military ..... 327  
*Jesse C. Edwards, Jr. and Camille A. Motta*
- 13 Battlefield Telemedicine: The Next Generation ..... 353  
*Shaun B. Jones and Richard M. Satava*
- 14 Telemedicine in Correctional Systems ..... 375  
*James H. Hipkens*

**Section V Telemedicine of the Future**

- 15 Telemedicine of the Future: A Pragmatic  
Speculation ..... 393  
*Richard M. Satava*

- Glossary ..... 407  
Index ..... 421