

# Contents

|  |     |
|--|-----|
| Introduction   |     |
| EDWARD G. GRANT  | v   |
| Color Plates   | xii |
| 1 Technical Considerations, Equipment, and Physics<br>of Duplex Sonography |     |
| FREDERICK W. KREMKAU   | 1   |
| 2 Duplex Sonography of the Cerebrovascular System                          |     |
| EDWARD G. GRANT  | 7   |
| 3 Cardiac Doppler  |     |
| FREDERICK J. DOHERTY and KEVIN P. MCINERNEY                                | 69  |
| 4 Duplex Sonography of the Abdomen   |     |
| E. MAUREEN WHITE and PETER L. CHOYKE                                       | 129 |
| 5 Duplex Evaluation of Fetoplacental and<br>Uteroplacental Circulation     |     |
| MICHAEL C. HILL, IAN M. LANDE, and JOHN H. GROSSMAN, III                   | 191 |
| 6 Duplex Sonography of Peripheral Arteries                                 |     |
| EDWARD G. GRANT  | 211 |
| 7 Duplex Sonography of the Lower Extremity<br>Venous System                |     |
| E. MAUREEN WHITE   | 239 |
| Index  | 261 |