

CONTENTS



<i>List of Figures</i>	<i>vii</i>
<i>List of Tables</i>	<i>xiii</i>
<i>Foreword by The Rt Hon. the Lord Owen CH MA MB BChir FRCP</i>	<i>xv</i>
<i>Preface</i>	<i>xvii</i>
<i>Authors and Affiliations</i>	<i>xix</i>
1 Wakefulness, Awareness and Consciousness	1
<i>Anthony N. Nicholson</i>	
2 Circadian System and Diurnal Activity	15
<i>Russell G. Foster</i>	
3 Aircrew and Alertness	35
<i>Anthony N. Nicholson and Michael B. Spencer</i>	
4 Spatial Orientation and Disorientation	55
<i>J. R. Rollin Stott</i>	
5 Cerebral Circulation and Gravitational Stress	93
<i>Anthony N. Nicholson</i>	
6 Oxygen Delivery and Acute Hypoxia: Physiological and Clinical Considerations	103
<i>Jane Ward</i>	
7 Hypobaric Hypoxia: Adaptation and Acclimatization	163
<i>John H. Coote and James S. Milledge</i>	
8 Profound Hypoxia: Extreme Altitude and Space	201
<i>Anthony N. Nicholson</i>	
9 The Neurological Examination: Aeromedical Considerations	215
<i>Michael D. O'Brien</i>	
10 Investigation of Sleep and Wakefulness in Aircrew	219
<i>Anthony N. Nicholson</i>	

11	Excessive Daytime Sleepiness: Clinical Considerations <i>Thomas C. Britton, Andrew R. C. Cummin and Anthony N. Nicholson</i>	231
12	The Diagnosis of Epilepsy <i>Matthew C. Walker</i>	255
13	Syncope: Physiology, Pathophysiology and Aeromedical Implications <i>David A. Low and Christopher J. Mathias</i>	275
14	Hypoglycaemia and Hypoglycaemia Awareness <i>Simon R. Heller</i>	291
15	Headache <i>Thomas C. Britton</i>	325
16	Traumatic Brain Injury and Aeromedical Licensing <i>Garth S. Cruickshank</i>	347
17	Neuro-Ophthalmology <i>Gordon T. Plant</i>	377
18	Vestibular and Related Oculomotor Disorders <i>Nicholas J. Cutfield and Adolfo M. Bronstein</i>	395
19	Disorders of Hearing <i>Linda M. Luxon and Ronald Hinchcliffe</i>	421
	<i>Appendix I A Bibliography of Case Reports of Neurological Disorders in Aircrew</i>	475
	<i>Appendix II International Standards for Hearing Measurements, Aircraft Noise and Vibration Control</i>	479
	<i>Appendix III World Health Organization Descriptors of Hearing Impairment</i>	483
	<i>Index</i>	485