

Contents

<i>List of contributors</i>	<i>page</i>	ix
1 Application of dual-energy X-ray absorptiometry and related techniques to the assessment of bone and body composition		1
A. PRENTICE		
2 <i>In vivo</i> neutron activation analysis: past, present and future		14
S.J.S. RYDE		
3 Magnetic resonance imaging for the assessment of body composition		38
P. BRAMBILLA, P. MANZONI, P. SIMONE AND G. CHIUMELLO		
4 Multi-frequency impedance as a measure of body water compartments		45
P. DEURENBERG		
5 Body composition assessed by electrical conductivity methods		57
J.F. SUTCLIFFE AND M.A. SMITH		
6 Body composition in malnutrition		71
P.S. SHETTY		
7 Influence of body composition on protein and energy requirements: some new insights		85
C.J.K. HENRY		
8 Prediction of adult body composition from infant and child measurements		100
M.F. ROLLAND-CACHERA		
9 Assessment of body composition in the obese		146
E.M.E. POSKITT		

viii	<i>Contents</i>	
10	The role of body physique assessment in sports science M.H. SLAUGHTER AND C.B. CHRIST	166
11	The assessment of the body composition of populations N.G. NORGAN	195
12	Changes in approach to the measurement of body composition J. PARIZKOVA	222
13	Multi-compartment models for the assessment of body composition in health and disease S.A. JEBB and M. ELIA	240
14	The future of body composition research S.B. HEYMSFIELD and ZI-MIAN WANG	255
	<i>Index</i>	271