CONTENTS

Assessing Physical Performance in

Foreword	V11
Contributors	ix
Preface	xi
CHAPTER 1 National Blueprint: Increasing Physical Activity Among Adults 50 and Older: Implications for Future Physical Activity and Cognitive Functioning Research Wojtek Chodzko-Zajko	1
CHAPTER 2 Physical Activity, Cognition, and Aging: A Review of Reviews Phillip D. Tomporowski	15
CHAPTER 3* Commonalities in Aging- and Fitness-Related Impact on Cognition	33
Leonard W. Poon and Carol Ann Harrington	
CHAPTER 4 Effect of Exercise on Cognition in Older Adults: A Reexamination of Proposed Mechanisms Robert E. Dustman and Andrea White	51
CHAPTER 5 Current Findings in Neurobiological Systems' Response to Exercise Philip V. Holmes	75
CHAPTER 6 Measurement of Physical Activity Rod K. Dishman	91

Contents

CHAPTER 7 Older Adults	Assessing Physical Performance in	111
M. Elaine Cress		togical
CHAPTER 8	Sleep, Mood, and Chronic Pain Problems	133
Patrick J. O'Conno		Station.
CHAPTER 9 Consideration	Brain Blood Flow and Methodological	145
Kevin McCully and	Yagesh Bhambhani	
CHAPTER 10 Potential Tool Exercise Resea	Neuroimaging in an Aging Population: s in Cognition, Everyday Functioning, and arch	161
CHAPTER 11 and Putative N Waneen W. Spirduse	Issues of Aging, Physical Activity, Cognition, Mechanisms for a Relationship: A Discussion	187
References Index About the Editors		197 239 249