

## Table of Contents

### **Part I. Vascular Cognitive Impairment:**

1. Introduction: what is vascular cognitive impairment? José G. Merino and Vladimir Hachinski;  
2. Vascular cognitive impairment in the memory clinic Paige Moorhouse and Kenneth Rockwood; 3. Vascular cognitive impairment in the stroke unit and after the acute stage Olivier Godefroy, Claire Leclercq and Martine Roussel;

### **Part II. Analytic Approach: The Behavioral and Cognitive Neurology of Stroke:**

4. Cognitive and behavioral disorders according to stroke site and side Isabel P. Martins, Lara Caeiro and José M. Ferro;

Section 1. Motor and Gestural Disorders: 5. Movement and gestural disorders: abnormal movement and motor behavior Luc Defebvre and Pierre Krystkowiak; 6. Limb apraxia: a disorder of gesturing and object use Tim Vanbellingen and Stephan Bohlhalter;

Section 2. Aphasic, Arthric, Calculation, and Auditory Disorders: 7. Vascular aphasias Alexandre Croquelois and Olivier Godefroy; 8. Dysarthria Pascal Auzou; 9. Alexia and agraphia in acute chronic stroke Argye E. Hillis; 10. Acalculia Laurent Cohen and Stanislas Dehaene; 11. Auditory disorders related to strokes Bernard Lechevalier, Jany Lambert, Sylvain Moreau, Hervé Platel and Fausto Viader;

Section 3. Hemineglect, Anton-Babinski, and Right Hemisphere Syndromes: 12. Hemispatial neglect Patrik Vuilleumier and Arnaud Saj; 13. Anosognosia and denial after right hemisphere stroke Phillippe Azouvi and Anne Peskine; 14. Asomatognosia: disorders of the bodily self Sebastian Dieguez and Jean-Marie Annoni; 15. Disorders of visuoconstructive ability Diane Dupuy and Olivier Godefroy; 16. Topographical disorientation Bertille Périn and Olivier Godefroy;

Section 4. Visual Agnosia and Balint's Syndrome: 17. Cortical blindness Alain Vighetto and Pierre Krolak-Salmon; 18. Balint's syndrome Alain Vighetto and Pierre Krolak-Salmon; 19. Prosopagnosia Thomas Busigny, Eugene Mayer and Bruno Rossion; 20. Object and color agnosia Georg Goldenberg;

Section 5. Executive and Memory Disorders: 21. Dysexecutive syndromes Olivier Godefroy and Donald T. Stuss; 22. Disorders of episodic memory Michael P. Alexander and Chun Lim; 23. Working memory dysfunction in stroke patients Abid Qureshi and Argye E. Hillis;

Section 6. Behavioral and Mood Disorders: 24. Alterations of level of consciousness related to stroke Marc D. Rechert; 25. Akinetic mutism and related disorders Didier Leys and Hilde Hénon; 26. Delirium and confusional state in stroke patients Hilde Hénon and Didier Leys; 27. Delusion, mania and personality changes Pierre Thomas; 28. Depression after stroke and cerebrovascular disease Maree Hackett; 29. Fatigue after stroke Mansur A. Kutlubaev and Gillian E. Mead;

### **Part III. Dementia and Management of Vascular Cognitive Impairment:**

30. Vascular dementia Hugues Chabriat and Olivier Godefroy; 31. Cognitive and behavioral assessment of vascular cognitive impairment Sandra Black and David Nyenhuis; 32. Treatment of patients with post-stroke dementia Marie-Anne Mackowiak and Florence Pasquier;

Index.