

CONTENTS

Preface	iii
Acknowledgements	iv
Chapter 1. Dengue: overview and epidemiology	1
Dengue: Global Threat U Thisyakorn, C Thisyakorn	3
Dengue Patients at Photharam Hospital: A Clinical Trial Site of Dengue Vaccine S Nunthanid, A Tiawilai	11
Focal dengue virus transmission in Kamphaeng Phet, Thailand and implications for management I-K Yoon	17
Chapter 2. Dengue pathogenesis	27
Association between mannose-binding lectin gene polymorphisms and susceptibility to dengue virus infection: a preliminary report O Prommalikit, U Thisyakorn	29
Dengue virus virulence and diseases severity O Prommalikit, U Thisyakorn	35
Hemostatic studies in dengue patients D Sosothikul, U Thisyakorn, C Thisyakorn	43
Chapter 3. Diagnosis of dengue virus infection	47
Reporting progress on the use of the WHO 2009 dengue case classification: a review O Horstick, SR Ranzinger	49
Laboratory diagnosis of dengue virus infections A Nisalak	55
Chapter 4. Clinical features and management of dengue patients	77
Dengue fever and dengue hemorrhagic fever in adults T Tantawichien	79
Liver complications in adult dengue and current management S Treeprasertsuk, C Kittitrakul	99
Electrolyte disturbance and kidney dysfunction in dengue viral infection P Vachvanichsanong, E McNeil	108
Dengue with central nervous system involvement U Thisyakorn, C Thisyakorn	118
Fluid and hemodynamic management in severe dengue ... A Wongs	123
Chapter 5. Dengue prevention and control	129
Interim analysis of the contribution of high-level evidence for dengue vector control O Horstick, SR Ranzinger	131
Dengue vaccines U Thisyakorn, C Thisyakorn	138

Chapter 6. Adult dengue cases	147
Fatal rhabdomyolysis in dengue hemorrhagic fever: a case report N Siriyakorn, S Insiripong	149
Dengue infection in pregnancy K Khamim, B Khamim, K Pengsaa	153
Case reports. Severe dengue in pregnant women S Nunthanid	161
Dengue infection in elderly patients T Tiawilai, A Tiawilai, S Nunthanid	165
Annex I. Practical guideline for management of dengue in adults: 2014 Royal College Physician of Thailand	169
Annex II. Name list of participants attending the Short Training Course on Adult Dengue	182