

Contents

Part 1 Avian Flu

- 1 Influenza: Biology, Infection, and Control** 3
Bryan Roberts
- 2 The Past and Present Threat of
Avian Influenza in Thailand** 31
Prasert Auewarakul
- 3 Transmission of Avian Influenza Viruses to Humans:
Viral Receptor Specificity and Distribution
in Human Airways** 45
Yoshihiro Kawaoka and Kyoko Shinya

Part 2 SARS

- 4 Investigation of Animal Reservoir(s)
of SARS-CoV** 57
Zhihong Hu and Zhengli Shi
- 5 SARS Epidemic: SARS Outbreaks in Inner-land of China** 75
Li Ruan and Guang Zeng
- 6 The 2003 SARS Outbreak In Singapore: Epidemiological
and Clinical Features, Containment Measures,
and Lessons Learned** 97
Annelies Wilder-Smith and Kee Tai Goh
- 7 The 2003 SARS Outbreaks in Taiwan** 117
Yi-Ming Arthur Chen

Part 3 HIV/AIDS

- 8 HIV/AIDS: Lessons from a New Disease Pandemic** 133
M. Essex and Yichen Lu
- 9 AIDS in China** 143
Gui Xien and Zhuang Ke

Part 4 Other Infections

- 10 Enterotoxigenic *Escherichia coli*'s Endemicity in Developing Countries and Its Emergence During Diarrheal Epidemics and Natural Disasters** 163
Tanvir Ahmed and Firdausi Qadri
- 11 Human Cases of Hemorrhagic Fever in Saudi Arabia Due To a Newly Discovered Flavivirus, Alkhurma Hemorrhagic Fever Virus** 179
Remi N. Charrel, Xavier de Lamballerie, and Ali Mohamed Zaki
- 12 Disease Outbreaks Caused by Emerging Paramyxoviruses of Bat Origin** 193
Lin-Fa Wang, John S. Mackenzie, and Bryan T. Eaton
- 13 Multidrug Resistant TB, TB Control, and Millennium Development Goals in Asia** 209
Srikanth Prasad Tripathy and Sriram Prasad Tripathy
- 14 Emergence of *Staphylococcus aureus* with Reduced Susceptibility to Vancomycin in Asia** 233
Jae-Hoon Song
- Subject Index** 243