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Nota di contenuto	Contents; Contributors; Glossary; Foreword; Preface; A Summary of Flu Attacks; 1 Avian Influenza: Basic Science, Potential for Mutation, Transmission, Illness Symptomatology and Vaccines Louis Y.-A. Chai; Understanding the Basic Science of Influenza and Terminology; Influenza Pandemics in Recent History; Basic Science of Avian Influenza; Prior Outbreaks of Avian Influenza Until Recently; Transmissibility; Illness Symptomatology; Antiviral Agents; Vaccine Development; Conclusion; References; 2 Virology View Paul K.-S. Chan; What Does H5N1 Stand For?; What Makes the Influenza Virus So Special? Why Birds are Important?What is the Role of Pigs?; Is it Only H5N1 or Something Else?; What About H9N2?; What Have the H7 Avian Viruses Done to Humans?; What Viruses Have Caused Pandemics?; Conclusions; 3 The First Cases of H5N1 Infection in the World Rita Y.-T. Sung; The Mysterious New Virus H5N1 Killed our Young Patient; 4 The Second Phase After H5N1 Avian Influenza Virus Infection: The Three-Wave Spread in Thailand Salin Chutinimitkul, Pattaratida Sa-nguanmoo and Yong Poovorawan; The Outbreak in Asia and the Three-Wave Outbreak

in Thailand

Genetic Evidence of Influenza A Virus Subtype H5N1 Spreading Ability of H5N1; Clinical Manifestation; Case Detection; 1. Suspected case; 2. Probable case; 3. Confirmed case; Specimen Collection; 1. Respiratory specimens; 2. Blood components; 3. Autopsy specimens; Laboratory Diagnostics; 1. Virus isolation; 2. Immunofluorescence assay (IFA); 3. Hemagglutination and hemagglutination inhibition test; 4. Rapid antigen test; 5. Molecular techniques; Avian Influenza Management; Avian Influenza Vaccine; Recommendation for People who Reside in Outbreak Areas⁴⁴; General recommendations:

Transporter recommendations; Farm workers recommendations; Laboratory and healthcare workers recommendations; Consumer recommendations; Conclusion; Acknowledgments; References; 5

Epidemiology and Risk Factors for Avian Influenza in Thailand

Khawcharoenporn, Linda M. Mundy and Anucha Apisarnthanarak;

Introduction; Epidemiology; Risk Factors; Pathogenesis; Clinical Presentation; Transmission Dynamics of H5N1; Conclusions;

References; 6 Avian Flu: The Indonesian Experience Nuning M. K.

Masjkuri, I. Nyoman Kandun, Tri Yunis Miko Wahyono and Hari Santoso;

Introduction

The Unusual Event of the Human Avian Flu in Indonesia Case

Management of Human Avian Flu in Indonesia; Measures to Control the

Outbreak in Indonesia; Response to the current situation; Prediction

and anticipation; Policies; Lesson learned; References; 7 Bird Flu in

Indonesia Nugroho Abikusno; Introduction; Cause, Death and Disease

Spread; Pandemic Probability; Preventive Measures; Control of bird flu

in human population; Control of bird flu in poultry population;

Biosecurity; Depopulation; Vaccination; Future Efforts; References

8 Cultural, Social and Economic Influences of the Flu Vernon Lee and

Kai-Hong Phua

Sommario/riassunto

Chickens cannot be bought in Vietnam restaurants for love or money. New reports are emerging every week of the global reach of avian influenza in birds. Africa and Europe are now affected by what was thought to be an Asian poultry disease. Governments worldwide are stockpiling antiviral drugs and forming rationing plans. Citizens are concerned that they will not be in "the list" of those who will receive these wonder drugs. Reports are emerging of antiviral drug resistance as the influenza virus mutates. What is the influenza virus? Why are people so worried about pandemic influenza? What is a