

1. Record Nr.	UNINA9910823740103321
Titolo	Zoonotic tuberculosis : mycobacterium bovis and other pathogenic mycobacteria // editors, Charles O. Thoen, James H. Steele, and John B. Kaneene
Pubbl/distr/stampa	Ames, Iowa ; ; Chichester, [England] : , : Wiley-Blackwell, , 2014 ©2014
ISBN	1-118-47428-7 1-118-47431-7 1-118-47432-5
Edizione	[Third edition.]
Descrizione fisica	1 online resource (433 p.)
Altri autori (Persone)	ThoenCharles O SteeleJames H KaneeneJohn B
Disciplina	616.99/5
Soggetti	Tuberculosis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Preceded by: Mycobacterium bovis infection in animals and humans / [edited by] Charles O. Thoen, James H. Steele, Michael J. Gilsdorf. 2nd ed. 2006.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Zoonotic Tuberculosis: Mycobacterium bovis and Other Pathogenic Mycobacteria; Copyright; Contents; Contributors; Preface; Chapter 1 Tuberculosis Tuberculosis in animals and humans: An introduction; Acknowledgment; Note; References; Chapter 2 One Health approach for preventing and controlling tuberculosis in animals and humans; History of the One Health approach; Acceptance of the One Health approach; Advantages of the One Health approach; Using a One Health approach for the control of zoonotic tuberculosis; One Health integrates human and animal medicine with ecology, sociology, and economics Control programs for zoonotic TB require action at all levels of its epidemiologySharing human and veterinary resources; Sharing research between disciplines; Improved efficiency of TB surveillance, diagnosis, and control programs; Conclusions; References; Chapter 3 Public health significance of zoonotic tuberculosis caused by the Mycobacterium tuberculosis complex; Introduction; Historical background; Animal to

human transmission of Mycobacterium tuberculosis complex; Mycobacterium bovis (including M. caprae); Mycobacterium tuberculosis and other MTC species  
Human-to-animal and human-to-human transmission of Mycobacterium tuberculosis complex  
Public health role during outbreaks of tuberculosis in animals; Summary; References; Chapter 4 Mycobacterium bovis infection in humans and animals with an emphasis on countries in Central and South America; Argentina; Control methods for TB in cattle; Human TB caused by M. bovis; Brazil; Mycobacterium bovis infection in cattle; The Bovine TB Control and Eradication Program: Current progress; Surveillance in abattoirs; Traceability and movement controls; Human TB caused by M. bovis; Chile  
Bovine TB control activities  
M. bovis in humans; Colombia; Mycobacterium bovis in humans; Costa Rica; Ecuador; Nicaragua; Uruguay; History of bovine TB control; Slaughterhouse surveillance; Current program; The future; Human TB caused by M. bovis; Venezuela; Acknowledgments; References; Chapter 5 Pathogenesis of tuberculosis caused by Mycobacterium bovis; Introduction; Genomics and evolutionary implications; Pathogenesis; Intracellular location within phagocytic cells; Mycobacterial virulence factors; Effector mechanisms against mycobacterial infections; References  
Chapter 6 Epidemiology of Mycobacterium bovis  
Introduction; Host species for M. bovis infection; Livestock hosts; Wildlife hosts; Humans as hosts of M. bovis; Transmission of M. bovis; Transmission within livestock hosts; Transmission within wildlife hosts; Transmission between livestock and wildlife; Transmission between humans and animals; Surveillance for M. bovis; Livestock surveillance; Wildlife surveillance; Human surveillance; Control programs for M. bovis; Control of M. bovis in livestock; Control of M. bovis in wildlife; Control of M. bovis in humans  
Approaches to the prevention of new cases of M. bovis infection

---

Sommario/riassunto

Zoonotic Tuberculosis: Mycobacterium bovis and Other Pathogenic Mycobacteria, Third Edition is a comprehensive review of the state of the art in the control and elimination of infections caused by Mycobacterium tuberculosis complex in animals and humans. This update to the most complete and current reference available on Mycobacterium bovis includes new coverage of the latest molecular techniques; more information on human infection and One Health; updates to the information on the International Union Against Tuberculosis and Lung Disease (IUATLD), the World Health Orga

---