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Nota di contenuto	Part 1. Introduction -- Chapter 1. History of Tuberculosis -- Chapter 2. <i>Mycobacterium tuberculosis</i> : the organism, genomics and evolution -- Chapter 3. Pathogenesis and immunology of TB -- Chapter 4. Basic and descriptive epidemiology of TB -- Chapter 5. TB WHO recommended strategies and Global Health perspectives (and exercise/country examples) -- Part 2. Prevention -- Chapter 6. Vaccines -- Chapter 7. Latent TB infection diagnosis and treatment -- Chapter 8. Infection Control (and exercise). Part 3. Diagnosis -- Chapter 9. TB Clinical

presentation and differential diagnosis -- Chapter 10. Laboratory diagnosis of TB (including MDR) -- Chapter 11. Radiology in the diagnosis of TB – How to read a chest x-ray -- IV. Treatment -- Chapter 12. Rationale for chemotherapy (and exercise) -- Chapter 13. Anti-TB drugs and adverse events -- Chapter 14. Treatment of drug-susceptible TB -- Chapter 15. Surgery and TB -- Chapter 16. How to design the regimen for drug-resistant TB (and clinical cases) -- Chapter 17. The shorter regimen for MDR-TB -- Chapter 18. Monitoring treatment: clinical and programmatic approach for TB and DR-TB -- Chapter 19. Adherence -- Chapter 20. TB Patient-centred care -- Part 5. Risk factors, risk groups, challenges -- Chapter 21. TB, alcohol, smoking and diabetes. Chapter 22. TB and prisons -- Chapter 23. TB and migration -- Chapter 24. The TB/HIV association -- Chapter 25. Childhood TB -- Chapter 26. Tuberculosis and women (risk factors, pregnancy, access to services and gender issues) -- Chapter 27. TB in the elderly -- Chapter 28. Extra-pulmonary TB -- Chapter 29. Renal and hepatic failure and tuberculosis -- Chapter 30. TB Rehabilitation and palliative care -- Chapter 31. Post TB infections -- Part 6. Public Health -- Chapter 32. The national TB programme: role and functions (and exercise) -- Chapter 33. National TB Strategic Planning (and exercise) -- Chapter 34. Active case finding and hard-to-reach TB groups -- Chapter 35. Managing TB outbreaks in low-incidence settings (and exercise) -- Part 7. Global Health -- Chapter 36. The global TB burden -- Chapter 37. A multi-sectorial approach to tuberculosis control and elimination in the era of the UN Sustainable Development Goals -- Chapter 38. "One Health" approach to zoonotic tuberculosis. The burden of zoonotic tuberculosis in the world -- Chapter 39. Health systems and TB control -- Chapter 40. The global and individual economics of TB -- Part 8. Research -- Chapter 41. An overview of research priorities in TB -- Chapter 42. Priority areas for TB vaccines -- Chapter 43. Priority areas for TB diagnosis -- Chapter 44. Priority areas for latent infection -- Chapter 45. Priority areas for TB treatment -- Chapter 46. Operational Research.

Sommario/riassunto

This textbook covers the full spectrum of tuberculosis-related topics in a comprehensive yet easy-to-follow, readily accessible format. Filling a significant gap in tuberculosis literature, it addresses tuberculosis *sensu latu*, mirroring the content of the London Queen Mary University tuberculosis Diploma. Covering all aspects related to this condition, from prevention, diagnosis and treatment to public and global health, the book provides a broad overview of tuberculosis management. Further, it includes a wealth of case studies and exercises, making it an essential guide for all staff involved in tuberculosis management. Written by an international and interdisciplinary panel of experts, the book appeals to a broad readership including students, postdoctoral fellows, clinicians, researchers, and nurses, as well as public health officers working in tuberculosis control programs.
