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| 1. Record Nr. | UNINA9910141398403321 |
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| Titolo | A concise manual of pathogenic microbiology [[electronic resource] /] / Saroj K. Mishra, Dipti Agrawal |
| Pubbl/distr/stampa | Hoboken, N.J., : Wiley-Blackwell, 2013 |
| ISBN | 1-118-30120-X 1-118-30123-4 1-283-73547-4 1-118-30121-8 |
| Edizione | [1st ed.] |
| Descrizione fisica | 1 online resource (208 p.) |
| Classificazione | SCI045000 |
| Altri autori (Persone) | AgrawalDipti |
| Disciplina | 616.9/041 |
| Soggetti | Medical microbiology Diagnostic microbiology |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Includes index. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Machine generated contents note: 1. Introduction: Importance of the science of Pathogenic Microbiology in view of the significance of global mortality and morbidity is discussed. Also included are universal precautions, explanation of commonly used technical terms, and mode of dissemination of infectious diseases. 2. Host-Microbe Interactions; Briefly sums up different lines of host-defenses including resident microbiota, components of nonspecific immunity, and Humoral and cellular immunity. 3. Antimicrobial Agents and Chemotherapy: This chapter includes a brief discussion on various classes of antibiotics, their structure and mechanism of action. 4. Gram Positive Cocci Clinically significant Gram positive cocci, their natural habitat, taxonomy, media for their selective isolation, laboratory diagnosis, virulence factors, and prevention and control are summarized in this chapter. 5. Gram Positive Bacilli Clinically significant Gram positive bacilli, their natural habitat, taxonomy, media for their selective isolation, laboratory diagnosis, virulence factors, and prevention and control are summarized in this chapter. 6. Gram Negative Cocci Clinically significant Gram negative cocci, their natural habitat, taxonomy, media for their selective isolation, laboratory diagnosis, |

virulence factors, and prevention and control are summarized in this chapter. 7. Gram Negative Bacilli Clinically significant Gram negative bacilli, their natural habitat, taxonomy, media for their selective isolation, laboratory diagnosis, virulence factors, and prevention and control are summarized in this chapter. 8. Miscellaneous Bacteria This chapter briefly discusses obligate, intracellular pathogenic bacteria, Ureaplasma and Mycoplasma, their natural habitat, taxonomy, media for their selective isolation, laboratory diagnosis, virulence factors, and prevention and control. 9. Gram Positive Bacteria with Rudimentary Filaments This chapter includes a brief discussion on clinically significant species of Corynebacterium and Mycobacterium, their natural habitat, taxonomy, media for their selective isolation, laboratory diagnosis, virulence factors, and prevention and control. 10. Actinomycetes Clinically significant species of the filamentous bacteria including Actinomycetes, Nocardia, Actinomadura, and Streptomyces are described. Their natural habitat, taxonomy, clinical features, laboratory diagnosis and prevention and control are summarized. 11. Yeast-like and Dimorphic Fungi Chapter includes a brief discussion on Candida species, Cryptococcus neoformans, Histoplasma capsulatum, Blastomyces dermatitidis, Coccidioidomyces etc., their natural habitat, diseases they cause, laboratory diagnosis, prevention and control. 12. Filamentous Fungi This chapter summarizes diseases caused by species of Aspergillus, Mucor, Rhizopus, Microsporium, etc. their natural habitat, laboratory diagnosis and effective therapeutic agents. 13. Unicellular Protozoa This chapter summarizes diseases caused by species of Amoeba, Giardia, Trichomonas, Plasmodium etc. their natural habitat, alternate host, laboratory diagnosis and effective therapeutic agents. 14. Multi-cellular Parasites This chapter summarizes diseases caused by species of Enterobius, Ascaris, Shistosoma, Ancylostoma etc. their natural habitat, alternate host, laboratory diagnosis and effective therapeutic agents. 15. Viruses and Prions This brief chapter summarizes DNA and RNA virus, their taxonomic grouping and diseases they cause. Prions are added at the end.

Sommario/riassunto

"A Concise Manual of Pathogenic Microbiology is a quick and concise source of information on the causal agents of common infectious diseases. Divided into chapters based on broad taxonomic groupings or similarities between the causal agents, A Concise Manual of Pathogenic Microbiology lists important pathogenic taxa in each group, their natural habitats, the diseases they cause, microbiological highlights, laboratory diagnosis, and measures of prevention and control, including availability of vaccines and effective therapeutic agents"--
