



Adult Vaccinations : Changing the Immunization Paradigm

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Abstract: After introductory chapters devoted to the safe production and distribution of vaccines, the book addresses the question of adult vaccination in the framework of a life-course approach to vaccination. It presents the proceedings of multidisciplinary expert discussions with an excellent summary of the current state of knowledge on adult vaccination in various diseases, as well as an overview of the professionals involved and the obstacles to achieving greater vaccine uptake, and how these may be addressed. The book systematically discusses the major vaccine-preventable diseases, as well as regulatory issues in vaccine provision, and presents the results of an expert meeting designed to identify the obstacles to vaccination, and solutions for addressing these barriers. It goes on to extend the discussion beyond the traditional boundaries of human health to encompass the "one health" concept. The book is intended for all those with an interest in vaccination, including physicians (from a wide range of disciplines including geriatrics/gerontology, infectious diseases, pediatrics, internal medicine, and other non-organ specialties), other healthcare professionals, pharmacists, representatives of the pharmaceutical industry and regulatory bodies (EMA, national authorities), policymakers, the media and the general public.

Contents: Foreword. Adult vaccinations: essential but too often forgotten – 1. Complexity of vaccine manufacture and supply – 2. Administration of vaccines: current process, new technologies, adjuvants – 3. How can the European Medicines Agency support an appropriate strategy of adult vaccination? – 4. Public health impact of adult vaccine-preventable diseases on performance, disability, mortality and health care costs in Europe – 5. Outcomes after HPV vaccination – 6. Impact of nutrition on adult vaccination efficacy – 7. Profiling vaccines for an immunosenescent and multimorbid population – 8. Comprehensive geriatric assessment in infectious diseases – 9. Etiology of respiratory tract infections in adults in Europe: current knowledge and knowledge gaps – 10. European flu vaccine regulations and their impacts in community-dwelling adults – 11. Vaccination against pneumococcal disease in the European Union, with particular focus on Germany – 12. Direct and indirect benefits of a comprehensive approach to vaccinating adults with influenza and pneumococcal vaccines, especially in patients with chronic diseases – 13. Vaccination of health care professionals and protection of hospitalized adults and nursing home residents – 14. Ongoing threats for older Europeans: Diphtheria, Pertussis and Tetanus – 15. Herpes Zoster vaccination: a vaccine to prevent pain – 16. Gastroenteritis burden in the adult community: prospects for vaccines – 17. Travel vaccination – 18. Integrating the veterinarian scientist to the one-health concept – 19. Stressing the importance of adult immunization: suggestions for how to change the paradigm – 20. How can we integrate life course vaccination into the new WHO definition of “Healthy Ageing”?.

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