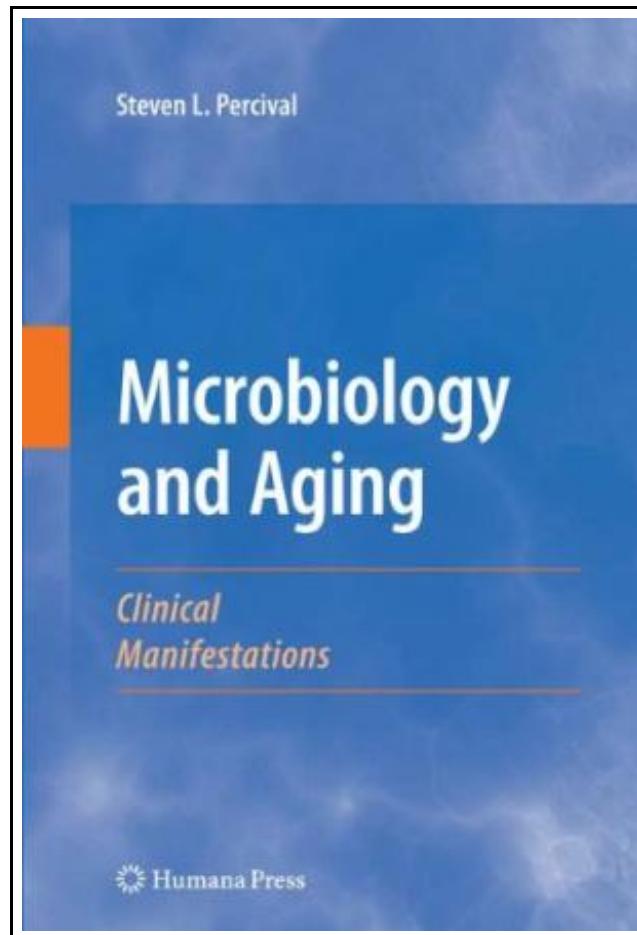


Microbiology and Aging: Clinical Manifestations



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Reviews

Basically no words to clarify. Of course, it is perform, still an amazing and interesting literature. Its been printed in an exceptionally basic way which is only soon after i finished reading through this ebook where actually altered me, change the way i really believe.

(Newton Runolfsson)

MICROBIOLOGY AND AGING: CLINICAL MANIFESTATIONS

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Humana Press. Hardcover. Book Condition: New. Hardcover. 348 pages. Dimensions: 9.3in. x 6.3in. x 0.9in. The world's population is estimated to reach 8.9 billion by 2050 with 370 million people of 80 years of age or older. Ageing is an incurable disease and defined as the biological process of growing older. Ageing is part of natural human development. As you will see throughout this book, the microbiological burden on the host is enormous and clinically significant, and will undoubtedly have a role to play in the ageing process. As humans are living longer, there is a greater propensity to infection. This risk is substantially heightened in elderly individuals who are predisposed to infection. While the processes of ageing and its effects on the host's microbiology are poorly documented and researched, data obtained from studies have shown that microbiological changes take place over time, suggesting a significant role for the gut microbiome in the ageing process. Do the microbiological changes that occur within and upon the host influence the processes of ageing? Is it the biological changes of the host that affect the microbiome? Does this therefore affect our propensity to disease? As the host's microbiology changes with ageing, it is significantly beneficial or severely detrimental to the host. Are there ways of enhancing life expectancy by reducing certain bacteria from proliferating or conversely by enhancing their survival? This book considers the microbiology of the host in different regions of the body and how these vary in the different age groups. Chapter 1 of the book focuses on the elderly population, while Chapter 2 considers the human indigenous flora and how this changes with ageing. Chapter 3 highlights the main infections associated with the elderly population, while Chapter 4 reviews the processes of skin ageing and its associated microbiology. Chapter 5 reviews the ageing lung and Chapter 6 reviews influenza in the elderly. Chapter 7 highlights the changes that occur in the oral microbiome and host defences with advanced age, while Chapter 8 reviews the influence of the gut microbiome with ageing. Chapter 9 focuses on the gut and its associated immunity. The remaining four chapters of the book consider Clostridium difficile, Helicobacter pylori and the hygiene hypothesis and the benefits of probiotics. The microbiology theory of autism in children is reviewed in the Preface. Chapter 13. The final chapter of the book examines how the beneficial microbiome of the host leads to human decomposition. This book encompasses a collection of reviews that highlight the significance of the microbiome in the human lifecycle. Flintshire, UK. Steven L. Percival. Contents 1 Ageing Theories, Diseases and Microorganisms. 1 Steven L. Percival 2 Indigenous Microbiota and Association with the Host. 15 John G. Thomas and Steven L. Percival 3 Infections in the Elderly. 39 Knut Ohlsen, Svitlana Kozytska, and Udo Lorenz 4 Skin Ageing and Microbiology. 57 Leslie Baumann, Edmund Weisberg, and Steven L....



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