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Altri autori (Persone)	ChadwickDerek GoodeJamie
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Nota di contenuto	ANTIBIOTIC RESISTANCE: ORIGINS, EVOLUTION, SELECTION AND SPREAD; Contents; Participants; Antibiotic resistance: an ecological imbalance; Origins, acquisition and dissemination of antibiotic resistance determinants; The relationship between erythromycin consumption and resistance in Finland; The contribution of antibiotic use on the frequency of antibiotic resistance in hospitals; Impact of antibiotic use in animal feeding on resistance of bacterial pathogens in humans; The effect of monitoring of antibiotic use on decreasing antibiotic resistance in the hospital The antibiotic selective process: concentration-specific amplification of low-level resistant populationsThe within-host population dynamics of antibacterial chemotherapy: conditions for the evolution of resistance; The cost of antibiotic resistance-from the perspective of a bacterium; The evolution of b-lactamases; Molecular evolution of multiply= antibiotic-resistant staphylococci; Mobile gene cassettes and integrons: moving antibiotic resistance genes in Gram-negative bacteria; Genetic mobility and distribution of tetracycline resistance determinants

Sommario/riassunto

Antibiotic Resistance: Origins, Evolution, Selection and Spread
Chairman: Stuart B. Levy 1997 Over the last 50 years, the rapid increase in the use of antibiotics, not only in people, but also in animal husbandry and agriculture, has delivered a selection unprecedented in the history of evolution. Consequently, society is facing one of its gravest public health problems-the emergence of infectious bacteria with resistance to many, and in some cases all, available antibiotics. This book brings together a multidisciplinary group of experts to discuss this problem. It begins by examining the orig