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wakefulness; Neuronal discharge pattern shifts; Relationships between the theta rhythm of the hippocampus and auditory neurones; Complex sound processing at the auditory single unit level; Conclusions; Chapter 6. Auditory influences on sleep; Sensory input and sleep; Human and animal experimental data: effects of sound stimulation and auditory deprivation on sleep; Conclusions  
Highlights from the auditory system standpoint  
Highlights from the sleep state viewpoint; References; Index; A; B; C; D; E; F; G; H; I; L; M; N; O; P; R; S; T; U; V; W; Color Plates

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Sommario/riassunto

Sleep and Sleep medicine are hot topics in medicine as well as neuroscience and cognitive neuroscience. How the auditory system functions during sleep, and what impact that has on the brain, is still not well understood. This book shows a different viewpoint on sleep, integrating a sensory system in the whole brain and focusing on physiological conditions. Moreover, it exhibits the coordination among evoked potentials, fMRI, PET, SPECT, lesions, etc., together with electrophysiological online data.\* Presents diverse experimental viewpoints from the beginning of classical electroenceph

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