

## ULTRADIAN RHYTHMS IN PHYSIOLOGY AND BEHAVIOR%0A

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Ultradian rhythms in mammalian physiology and behavior ...

Systemic administration of opioid antagonists (e.g., naloxone) in women and rats decreases the period of the luteinizing hormone ultradian rhythm [48, 49] and chronic morphine self-administration increases the period of human sleep EEG total power .

Ultradian Rhythms - an overview | ScienceDirect Topics

Ultradian rhythms and pulsatile secretion. In addition to a 24 h circadian rhythm in the HPA axis hormones, ultradian rhythms of ACTH and cortisol have been identified, most frequently 90-110 min. A similar rhythm has been demonstrated for ACTH in rats that disappears with CRH immunoneutralization, linking this rhythm to the CNS.

Ultradian Rhythms in Physiology and Behavior: Experimental ...

Ultradian Rhythms in Physiology and Behavior: (Experimental Brain Research Series, Band 12) | Hartmut Schulz, Peretz Lavie | ISBN: 9783642704857

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Ultradian rhythms in physiology and behavior (Book, 1985) ...

Get this from a library! Ultradian rhythms in physiology and behavior. [H Schulz; P Lavie;]

Ultradian rhythms in cognitive functions and their ... Article in Physiology & Behavior 31(1) Such ultradian rhythms, with a periodicity of approximately 90 min in non-human primates,

Ontogenesis of Human Ultradian Rhythms | SpringerLink

Physiol Behav 45: 517-522 PubMed Hoppenbrouwers T. (1992) Ontogenesis of Human Ultradian Rhythms. In: Lloyd D., Rossi E.L. (eds) Ultradian Rhythms in Ultradian Rhythms in Physiology and Behavior: (Experimental ...

In spite of the abundant evidence pointing at the existence of short-term rhythms with periodicities much shorter than 24 hours, termed "ultradian" rhythms after Halberg (1964), it has generally been found much easier to investigate

circadian rather than ultradian rhythms.

#### **Ultradian calcium rhythms in the paraventricular nucleus ...**

We detected ultradian calcium rhythms in both the SPZ-PVN and SCN regions with periods of 0.5–4.0 hours, the frequency of which depended on the local circadian rhythm in the SPZ-PVN region. The ultradian rhythms were synchronous in the entire SPZ-PVN region and a part of the SCN.

#### **Ultradian rhythms in mammalian physiology and behavior ...**

Ultradian rhythms in mammalian physiology and behavior Prendergast, Brian J; Zucker, Irving 2016-10-01 00:00:00  
Ultradian (<24h, typically 1–6h) rhythms (URs) in behavior are ubiquitous. Behavioral URs do not appear to depend on a functional circadian system. Specific hypothalamic lesions abolish behavioral URs. Striatal dopaminergic activity can tune the frequency of URs. We describe a model that may integrate hypothalamic and striatal regulation of URs.

#### **Ultradian Rhythms | SpringerLink**

A biological rhythm is called ultradian if its period is shorter than 24 hour. Ultradian rhythms have been observed in physiological functions, like

#### **Ultradian Rhythms Underlying the Dynamics of the Circadian ...**

4 Ultradian Rhythms Underlying the Dynamics of the Circadian Pacemaker Carolina Barriga-Montoya, Pablo Padilla-Longoria, Miguel Lara-Aparicio and Beatriz

#### **Ultradian rhythms of autonomic, cardiovascular, and ...**

Ultradian rhythms of autonomic, cardiovascular, and neuroendocrine systems are related in humans DAVID S. SHANNAHOFF-KHALSA, BRIAN KENNEDY,

#### **Ultradian rhythm - Wikipedia**

Ultradian rhythms of appetite require antiphase release of Neuropeptide Y (NPY) and Corticotropin-releasing hormone (CRH), stimulating and inhibiting appetite ultradian rhythms. Recently, ultradian rhythms of arousal lasting approximately 4 hours were attributed to the dopaminergic system in mammals.