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Delayed Sleep Phase Syndrome

What is delayed sleep phase syndrome?

Delayed sleep phase syndrome, often referred to as DSPS, is a disorder in a wake cycle (internal clock) is delayed by 2 or more hours. Basically, it is a set by two or more hours, in that sleep is postponed. For example, rather than and waking at 7 AM, an adolescent with delayed sleep phase syndrome will AM and then has great difficulty awakening at 7 AM for school or work. If the allowed to sleep until late in the morning, he will feel rested and can function and adolescents with delayed sleep phase syndrome describe themselves as usually feel and function their best in the evening and nighttime hours. The sleep on weekdays compared to weekends or holidays.

Having delayed sleep phase syndrome, especially for children and adolescer can cause significant problems, as they are unable to get up for school, ofte school absences and tardiness.

What causes delayed sleep phase syndrome?

Delayed sleep phase syndrome usually develops during adolescence, but ca seldom occurs after the age of 30. Although the cause of delayed sleep pha completely known, it likely is an exaggerated reaction to the normal shift in during adolescence. All adolescents have a shift in their internal clock after hours. In those with delayed sleep phase syndrome, the clock shifts even m children who already had a tendency to go to bed late, this normal two-hou significantly shifted internal clock. It is important to realize that this shift in deliberate behavior. Unfortunately, many adolescents with delayed sleep pl labeled as noncompliant and truants. Approximately 7% of adolescents hav syndrome, and thus it is a common disorder.

What are the symptoms of delayed sleep phase syndro

A child or adolescent with delayed sleep phase syndrome often experiences

Daytime sleepiness. Because of the late sleep onset times and the usual requirement to get up earlier than desired for school or a job, children and adolescents with delayed sleep phase syndrome often experience daytime sleepiness as the

result of not getting enough sleep. Inability to fall asleep at the desired time. On nights that children or adolescents with delayed sleep phase syndrome try to go to sleep at a "normatime, they are unable to do so. However, if they were to go to bed at their usual fall asleep time, they would have no problefalling asleep.

- Inability to wake up at the desired time. As a result of t late sleep onset time; many children and adolescents with delayed sleep phase syndrome are unable to wake up in the morning for school or other activities. This can result in man missed days or being late for school.
- No other sleep complaints. Because the internal clock is simply shifted in children and adolescents with delayed sleep phase syndrome, once asleep they sleep well with few or no awakenings. In addition, on days that they are able to sleep long as they wish, especially on weekends or holidays, sleep normal and daytime sleepiness is not experienced.
- Other daytime symptoms. Some children and adolescents with delayed sleep phase syndrome experience problems wit depression and other behavior problems as a result of the daytime sleepiness and the effects of missing school and soc activities. In addition, there are a percentage of children and adolescents with delayed sleep phase syndrome who have school refusal, which complicates both diagnosis and treatments.

How is delayed sleep phase syndrome diagnosed?

There is no definitive test for delayed sleep phase syndrome so diagnosis is description of the problem. An overnight sleep study may be recommended sleep disorder is present, such as obstructive sleep apnea or restless legs so

How is delayed sleep phase syndrome treated?

Delayed sleep phase syndrome is a difficult disorder to treat and requires si part of the child or adolescent. Thus, for treatment to be successful, the chi be very motivated. The goal of treatment is to re-train the internal clock to schedule. Making the initial shift in the sleep-wake cycle is easier, however, change. Treatment can involve the following:

Sleep hygiene. Good sleep habits are especially important to children and adolescents with delayed sleep phase syndrome

These habits should include a regular sleep schedule that includes going to bed and waking up at the same time every day; avoidance of caffeine, smoking, and other drugs; a bedroom environment that is cool, quiet, and comfortable; a bedtime routine that is calm and sleep-inducing; and avoidal of all stimulating activities before bed, such as computer gar and television.

- Shifting the internal clock. Treatment for delayed sleep phase syndrome involves systematically advancing or delayily bedtime on successive nights.
 - Phase advancement. Phase advancement involved bedtime earlier by 15 minutes on successive nights, adolescent usually falls asleep at 12:30, then bedtime 12:15 for one or two nights, 12:00 for one to two notes.
 - Phase delay (chronotherapy). Phase delay is che adolescent's naturally occurring bedtime is 3 or more later than desired. Bedtime is delayed by 2 to 3 hou successive nights. For example, if an adolescent use asleep at 2 AM, bedtime is delayed until 4 AM on night AM on night two, and so on until the desired bedtim (e.g., 10:30 PM). Given that it is much easier for the adjust to a later bedtime than an earlier one, it is of recommended to delay bedtime rather than try to a
 - Sticking with it. Once the desired bedtime is reach adolescent must stick with it on a nightly basis. Eve of late night studying or socializing can return the ir to being delayed. Usually, however, after several m schedule can become a bit more flexible.
- **Bright light therapy.** Sometimes bright light therapy is recommended which involves exposure to bright light in the morning for approximately 20-30 minutes, and avoidance of bright light in the evening. Bright light in the morning will he reset the body's internal clock. Special light boxes need to be purchased for this treatment.