

Shift work may put damper on a man's sex life

May 15 2017, by Randy Dotinga, Healthday Reporter



(HealthDay)—Male shift workers listen up: Two new studies link sleep

disorders common in these men to urinary problems and erectile dysfunction.

And a third report links the repercussions of [shift work](#) to lower-quality semen, which could make it harder for men to father children.

The research doesn't prove that shift [work](#) and its accompanying sleep issues cause these problems. However, "men who work shifts, particularly night shifts, should be aware they may be at risk for many health issues, and should be sure to seek care from a physician to help prevent and treat these conditions," said Dr. Alex Pastuszak, co-author of the three studies.

Pastuszak is an assistant professor with the Center for Reproductive Medicine at Baylor College of Medicine in Houston.

For the studies, researchers sought to better understand the role of "shift work," which requires workers to be on the job outside of traditional daytime hours.

"We know that shift work can disrupt [circadian rhythms](#) and disrupt normal hormonal function," Pastuszak said. "Shift work can also put people at risk for shift-work sleep disorder, which causes insomnia or excessive sleepiness and a reduction of total sleep time due to a work schedule."

In one of the three studies, researchers examined 75 infertile men who were shift workers, 96 other infertile men and 27 fertile men who'd recently fathered children.

"We found that in men who are seen for infertility, those who work night shifts have significantly lower sperm counts than those who do not," Pastuszak said. "We think that too much or too little sleep alters

circadian rhythms and thus changes hormone levels and the expression of genes that are important for producing sperm."

The other studies examined responses from almost 2,500 men who went to a men's clinic and answered questionnaires about urinary issues.

"We found that men with shift-work sleep disorder had worse urinary issues, worse erectile function, and worse symptoms of low testosterone as well as lower testosterone levels," Pastuszak said.

The urinary issues included problems such as frequent urination, urgent urination, urinary hesitation and nighttime urination. "They're most often caused by either bladder dysfunction or prostate enlargement," Pastuszak said.

As for other potential explanations for the [urinary problems](#), "we also asked the men about their use of tobacco and alcohol, symptoms of depression, exercise and other medical conditions they had," he said. "We found that shift work most significantly impacted urinary symptoms, sperm counts and low testosterone symptoms."

Sleep specialist Dr. Dennis Auckley, an associate professor of medicine at Case Western Reserve University in Cleveland, cautioned that the new research should be considered preliminary.

It's difficult to study the effects of shift work since it can vary widely with different schedules of hours and days off, Auckley said, and another study found no connection between shift work and measurements of semen quality.

If shift workers do have urological problems, Auckley added, "there's a long list of causes for these problems that should be evaluated before one could attribute their symptoms to shift work."

What can shift workers do to protect themselves?

According to Pastuszak, "these men can take the following steps to improve sleep quality: Go to bed at regular times; sleep in a dark room; avoid alcohol and caffeine prior to going to bed; and limit use of computers, tablets, phones, televisions and other bright artificial lighting for at least 30 minutes before going to bed."

The studies were presented May 13 at the American Urological Association's annual meeting, in Boston. Research presented at meetings should be considered preliminary until published in a peer-reviewed journal.

More information: Alex Pastuszak, M.D., Ph.D., assistant professor, Center for Reproductive Medicine, department of urology, Baylor College of Medicine, Houston; Dennis Auckley, M.D., director, Center for Sleep Medicine, division of pulmonary, critical care and sleep medicine, MetroHealth Medical Center, associate professor, medicine, Case Western Reserve University, Cleveland; May 13, 2017, presentation, American Urological Association annual meeting, Boston

For details about what to expect during a male urologic visit, try [Northwell Health](#).

Copyright © 2017 [HealthDay](#). All rights reserved.

Citation: Shift work may put damper on a man's sex life (2017, May 15) retrieved 1 May 2024 from <https://medicalxpress.com/news/2017-05-shift-damper-sex-life.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.
