

## Is the SARS-CoV-2/COVID-19's Route a Cause for Sexual Concern?

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### DESCRIPTION

The progressing Coronavirus Disease 2019 (COVID-19) pandemic because of the extreme intense respiratory disorder Covid 2 (SARS-CoV-2) have contaminated 8.19 million individuals worldwide. This infection is distinguished in respiratory mist concentrates, stool, pee, and spit, yet whether non-respiratory body liquids like regurgitation, bosom milk, pee, or then again semen contain feasible irresistible infections is yet to be unwound. Besides, no proof of sexual transmission is yet accessible.

Point by point examinations in this respect is justified. In any case, all types of sexual contact are accounted for to convey a likely danger of viral transmission as it is promptly sent by fomites and mist concentrates. At that point, contaminated people may spread the respiratory discharges onto their own items and skin, prompting further transmission to a sexual accomplice. The SARS-CoV-2 offers 80% succession homology with the SARS-CoV and uses the angiotensin-changing over compound 2 (ACE2) receptors with higher restricting liking than SARS-CoV. The declaration of ACE2 is accounted for in a wide scope of human conceptive tissues like seminiferous channels cells, spermatogonia, Sertoli and Leydig cells, recommending the expected danger of SARSCoV-2 contamination in the male conceptive framework. Moreover, the presence of furin cleavage locales in SARS-CoV2 builds the capacity of the infection to disguise into cells, and upgraded articulation of furin areas in the epididymis further expands the danger of disease to genitalia. As orchitis ascribed to germ cell annihilation alongside testicular harm was accounted for in SARS-CoV disease, the chance of testicular harm and fruitfulness related worries in COVID-19 patients couldn't be overlooked. The chance

of the SARS-CoV-2 presence in semen is being scrutinized, and a couple of case reports are accessible. The shortfall of viral RNA was accounted for in the semen of a person with the historical backdrop of SARS-CoV-2 contamination, and this was additionally affirmed in a little accomplice study led in China. Conversely, semen tests from 6 (15.8%) COVID-19 patients were accounted for positive for SARS-CoV-2 of every an examination, including 38 people, among which two recuperated from the infection. Hereafter the focus, survivability, and shedding season of SARS-CoV-2 in semen ought to be examined. Numerous methodological concerns were raised, and further investigations are required. Also, thinking about SARS-CoV-2 sexual transmission, COVID-19 patients were encouraged to stay away from parenthood and pass on fruitfulness programs (gamete gift, gestational transporters, and helped conceptive innovation).

Despite the fact that upwards of 27 viremia related infections were revealed in human semen, however this number may address just a hint of something larger and need examination. Also, non-explicitly sent infections might be available in genital emissions. Consequently, a point by point examination on viral discovery followed by its tirelessness in testicles may demonstrate urgent for destructive infections like SARS-CoV-2 in clinical practice till affirmation of the sexual transmission status. The information got from the SARS-CoV disease proposes that andrological counsel and assessment of gonadal capacity, including itemized semen assessment, should be done in COVID-19 recuperated patients, particularly in conceptive age. Aside from staying away from contact with spit and blood of COVID-19 patient, assessment for location of SARS-CoV-2 in the semen of the contaminated and the recuperating patients and observing fetal improvement are needed to forestall and control COVID-19.

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