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ASSIGNMENT

Write short notes on micturition

Micturition is the process by which urine is voided from the urinary bladder. It is a reflex process. However, in grown up children and adult, it can be controlled voluntarily to some extent. It is regulated by the nervous system. The functional anatomy and the nerve supply of urinary bladder are essential for the process of micturition. Most of the time, the bladder is used to store urine. As it fills, the rugae distend and a constant pressure in the bladder is maintained. This is known as stress relaxation phenomenon.

Micturition reflex: it is the reflex by which micturition occurs. This reflex is elicited by the stimulation by the stretch receptors situated on the wall of the urinary bladder and urethra. When about 300 to 400 ml of urine is collected in the bladder, intravesical pressure increases. This stretches the wall of the bladder resulting in stimulation of stretch receptors and generation of sensory impulses.