

Detrusor muscle

The detrusor [muscle](#), also detrusor urinae muscle, muscularis propria of the [urinary bladder](#) and (less precise) muscularis propria, is a [smooth muscle](#) found in the wall of the [bladder](#). The detrusor muscle remains relaxed to allow the bladder to store urine, and contracts during urination to release urine.

Related are the urethral sphincter muscles which envelop the [urethra](#) to control the flow of urine when they contract.

In older adults over 60 years in age, the detrusor muscle may cause issues in voiding the bladder, resulting in uncomfortable [urinary retention](#).

[Urinary retention](#) from [detrusor muscle](#) areflexia or hypotonia ([autonomic neuropathy](#)) from [diabetes mellitus](#).

[Urinary bladder dysfunction](#) due to lesions in the central or peripheral nervous systems. Clinical [manifestations](#) differ based on the location of the lesion.

- [detrusor muscle](#) hyperreflexia (detrusor overactivity (DO)): involuntary contraction of the detrusor muscle → sensation of urgency & possible urge incontinence
- detrusor-sphincter dyssynergia (DSD): detrusor contraction with inappropriate activation of the external urethral sphincters
- detrusor areflexia: loss of [bladder](#) tone → inability to contract sufficiently for micturition

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