

PELVIS MUSCLE TABLE

MUSCLE	PROXIMAL ATTACHMENT (ORIGIN)	DISTAL ATTACHMENT (INSERTION)	INNERVATION	MAIN ACTIONS	BLOOD SUPPLY	MUSCLE GROUP
Iliacus	Superior 2/3 of iliac fossa, ala of sacrum, anterior sacro-iliac ligaments	Lesser trochanter of femur and shaft inferior to it, to psoas major tendon	Femoral nerve	Flexes thigh at hips and stabilizes hip joint, acts with psoas major	Iliac branches of iliolumbar artery	Anterior thigh
Obturator internus	Pelvic surface of obturator membrane and surrounding bone	Medial surface of greater trochanter of femur	Nerve to obturator internus	Laterally rotates extended thigh, abducts flexed thigh at hip	Internal pudendal and obturator arteries	Gluteal region
Piriformis	Anterior surface of sacral segments 2–4, sacrotuberous ligament	Superior border of greater trochanter of femur	Ventral rami of L5, S1, S2	Laterally rotates extended thigh, abducts flexed thigh at hip	Superior and inferior gluteal arteries, internal pudendal artery	Gluteal region
Coccygeus (ischiococcygeus)	Ischial spine, sacrospinous ligament	Inferior sacrum, coccyx	Ventral rami of lower sacral nerves	Supports pelvic viscera, draws coccyx forward	Inferior gluteal artery	Pelvic floor
Levator ani	Body of pubis, tendinous arch of obturator fascia, ischial spine	Perineal body, coccyx, anococcygeal raphe, walls of prostate or vagina, rectum, anal canal	Ventral rami of lower sacral nerves, perineal nerve	Supports pelvic viscera, raises pelvic floor	Inferior gluteal artery, internal pudendal artery and its branches (inferior rectal and perineal arteries)	Pelvic floor
Puborectalis	Lower part of pubic symphysis, superior fascia of urogenital diaphragm	Loops around rectum; no distal attachment	Nerve to levator ani muscle			Pelvic floor
Bulbospongiosus	<b>Male:</b> median raphe, bulb of penis, perineal body <b>Female:</b> perineal body	<b>Male:</b> perineal membrane, corpus cavernosum, bulb of penis <b>Female:</b> dorsum of clitoris, inferior fascia of urogenital diaphragm, bulb of vestibule, pubic arch	Deep branch of perineal nerve from pudendal nerve	<b>Male:</b> compresses bulb of penis, forces blood into body of penis during erection, removes urine from urethra and semen during ejaculation <b>Female:</b> constricts vaginal orifice, assists in expressing secretions of greater vestibular gland, forces blood into body of clitoris	Internal pudendal artery and its branch (perineal artery)	Perineal
Compressor urethrae (female only)	Ischiopubic ramus	Anterior aspect of urethra	Perineal branches of pudendal nerve	Sphincter of urethra	Perineal branch of internal pudendal artery	Perineal
Deep transverse perineal	Inner surface of inferior ischial rami	<b>Male:</b> medial tendinous raphe and perineal body <b>Female:</b> sides of vagina Deeper fibers surround anal canal, attach posteriorly to coccyx and anteriorly to central point of perineum	Perineal branches of pudendal nerve	Stabilizes perineal body, supports prostate/vagina	Perineal branch of internal pudendal artery	Perineal
External anal sphincter	Tip of coccyx, anococcygeal ligament	Tip of coccyx, anococcygeal ligament	Perineal and inferior rectal branches of pudendal nerve	Closes anal orifice	Inferior rectal and transverse perineal artery	Perineal
Ischiocavernosus	Inferior internal surface of ischiopubic ramus, ischial tuberosity	Crus of penis or clitoris	Deep branch of perineal nerve from pudendal nerve	Forces blood into body of penis and clitoris during erection	Internal pudendal artery and its branch (perineal artery)	Perineal
Sphincter urethrae	External fibers from junction of inferior pubic and ischial rami and adjacent fascia; internal fibers pass medially to surround membranous urethra	<b>Male:</b> median raphe in front and behind urethra <b>Female:</b> encloses urethra, attaches to sides of vagina	Perineal branches of pudendal nerve	Compresses urethra at end of micturition; in female also compresses the distal vagina	Perineal branch of internal pudendal artery	Perineal
Sphincter urethrovaginalis (female only)	Perineal body	Passes forward and anterior around urethra	Perineal branches of pudendal nerve	Sphincter of urethra and vagina	Perineal branch of pudendal artery	Perineal
Superficial transverse perineal	Ischial rami and tuberosities	Central tendon (perineal body)	Perineal branches of pudendal nerve	Stabilizes central tendon	Perineal branch of internal pudendal artery	Perineal
Cremaster	Lower edge of internal oblique and middle of inguinal ligament	Pubic tubercle, crest of pubis	Genital branch of genitofemoral nerve	Retracts testicle	Cremasteric branch of inferior epigastric artery	Spermatic cord