

Table S1 List of all CPT codes reported according to anatomic category

Anatomic category	CPT code	Description	N
Penile procedures (N=98)	54300	Penile straightening chordee	26
	54360	Plastic repair of penis with correct angulation	21
	54161	Circumcision at age >28 days	13
	15004	Preparation of a body area with an open wound, burn eschar, or scar contracture for the placement of a skin graft (≤ 100 cm ²)	7
	54304	Surgical correction of penile curvature or initial stage of hypospadias repair, with or without the use of prepuce or skin flaps for reconstruction	6
	54060	Destruction of penile lesion with simple surgical excision	4
	54001	Incision of the prepuce, either on the dorsal or lateral side, as a separate procedure, for patients older than 28 days	4
	54120	Partial amputation of penis	2
	54150	Circumcision with clamp, other device with block	2
	54065	Extensive destruction of penile lesion	2
	54162	Lysis/excision of post-circumcision penile adhesions	2
	54163	Repair of incomplete circumcision	2
	54440	Plastic operation of penile injury	2
	54450	Foreskin manipulation with stretching and lysis of preputial adhesions	1
	54164	Penile frenulectomy	1
	54405	Surgical placement of a multi-component inflatable penile prosthesis, including the insertion of inflatable cylinders, a pump, and a reservoir into the penis	1
	15002	Surgical incision of skin with an open wound, burn eschar, or scar contracture, preparing the area for a skin graft (≤ 100 cm ²)	1
	15003	Preparation of skin with an open wound, scar contracture, or burn eschar for the placement of a skin graft (> 100 cm ²)	1
	Scrotal procedures (N=49)	55175	Simple scrotoplasty
55180		Complicated scrotoplasty	18
55150		Resection of scrotum	3
55110		Scrotal exploration	1
Pannus-related procedures (N=77)	15830	Excision of skin abdominal infraumbilical panniculectomy	58
	15839	Removal of excess skin and subcutaneous tissue from a specified area of the body	7
	15877	Suction-assisted removal of fat from the trunk area	5
	15847	Excision of excessive skin & subcutaneous tissue of the abdomen	3
	13132	Complex repair of a wound involving procedures such as scar revision, debridement, extensive tissue undermining, and the use of stents or retention sutures, along with a layered closure, for wounds measuring 2.6 to 7.5 cm	2
	13100	Complex repair of trunk wound (1.1-2.5 cm)	1
	13101	Complex repair of trunk wound (2.6-7.5 cm)	1
Skin grafts (N=63)	15120	Application of a split-thickness skin graft to areas such as the face, scalp, eyelids, mouth, neck, ears, orbits, genitalia, hands, feet, or multiple digits, covering up to 100 cm ²	27
	15240	Full-thickness skin graft applied to areas such as the forehead, cheeks, chin, mouth, neck, axillae, genitalia, hands, or feet, covering up to 20 cm ²	14
	15100	Split-thickness autograft from the trunk, arms, or legs (≤ 100 cm ²)	8
	15241	Full-thickness skin graft applied to areas such as the forehead, cheeks, chin, mouth, neck, axillae, genitalia, hands, or feet, covering greater than 20 cm ²	5
	15121	Application of a split-thickness skin graft to areas such as the face, scalp, eyelids, mouth, neck, ears, orbits, genitalia, hands, feet, or multiple digits, covering more than 100 cm ²	4
	15101	Split-thickness autograft from the trunk, arms, or legs (> 100 cm ²)	2
	15275	Application of a skin substitute, such as an allograft or xenograft, to cover wounds on the face, scalp, eyelids, mouth, neck, ears, orbits, genitalia, hands, feet, or multiple digits, for areas up to 20 cm ²	2
	15200	Full-thickness skin graft of the trunk (≤ 20 cm ²)	1
Tissue transfers/ flaps (N=55)	14301	Replacement of lesions in any area with healthy tissues from an adjacent site (30.1-60 cm ²)	14
	15734	Muscle, myocutaneous, or fasciocutaneous flap obtained from the trunk	12
	14302	Replacement of lesions in any area with healthy tissues from an adjacent site (additional 30 cm ²)	10
	14040	Transfer of healthy tissue from an adjacent area to replace lesions on the forehead, cheeks, chin, mouth, neck, axillae, genitalia, hands, or feet, for areas up to 10 cm ²	9
	14041	Transfer of healthy tissue from an adjacent area to replace lesions on the forehead, cheeks, chin, mouth, neck, axillae, genitalia, hands, or feet, for areas measuring 10.1 cm ² to 30 cm ²	5
	15740	Formation of an island pedicle flap by making incisions around healthy skin and tissue at the donor site, lifting it, and transferring it to cover a wound or injury	3
	14000	Replacement of lesions in the patient's trunk by using healthy tissues from an adjacent site (≤ 10 cm ²)	2

Table S1 (continued)

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Anatomic category	CPT code	Description	N
Urethral procedures (N=41)	52000	Cystourethroscopy	10
	52281	Cystourethroscopy with dilation or ureteral stricture or stenosis	5
	53899	Unlisted procedures in the urinary system	3
	53400	Urethroplasty two stage repair	3
	53010	Urethrotomy/urethrostomy for perineal urethral stricture	2
	53415	Urethroplasty with a transpubic or perineal reconstruction	2
	53600	Dilation of urethral stricture	2
	53410	Urethroplasty with grafting tissue from bladder epithelium or buccal mucosa to the excision site	2
	53450	Surgical reconstruction of the urethral meatus with mucosal tissue advancement	2
	52344	Cystourethroscopy with treatment of ureteral stricture	1
	52275	Cystourethroscopy with internal urethrotomy	1
	53601	Subsequent dilation of urethral stricture	1
	53620	Dilation of a urethral stricture using a filiform and follower technique	1
	53460	Surgical reconstruction of the urethral meatus involving partial removal of the distal urethral segment	1
	54324	Single-stage repair of distal hypospadias, with or without chordee correction or circumcision, including urethroplasty using local skin flaps (e.g., flip-flap or preputial flap)	1
	54328	Single-stage distal hypospadias repair, with or without chordee correction or circumcision, involving extensive dissection to correct chordee and urethroplasty using local skin flaps, a skin graft patch, and/or an island flap	1
	54340	Repair of hypospadias complications, such as fistula, stricture, or diverticula, through simple closure, incision, or excision	1
	54344	Repair of hypospadias complications, such as fistula, stricture, or diverticula, requiring mobilization of skin flaps and urethroplasty with the use of a flap or patch graft	1
	54352	Repair of hypospadias cripple involving extensive dissection and removal of previously constructed structures, including re-release of chordee, and reconstruction of the urethra and penis using local skin grafts and island flaps	1
	Other procedures (N=30)	55899	Unlisted procedures in the male genital system
51102		Aspiration of the bladder followed by the placement of a suprapubic catheter	2
11426		Removal of a benign lesion, excluding skin tags, with margins from the skin of the scalp, neck, hands, feet, or genitals, for lesions larger than 4 cm	2
54640		Surgical relocation of an undescended testicle into the scrotum using an inguinal and/or scrotal approach	2
54512		Removal of a lesion located outside the parenchyma of the testis	1
51705		Simple change of cystotomy tube	1
51040		Cystostomy, cystotomy with drainage	1
11420		Removal of a benign lesion, excluding skin tags, with margins from the skin of the scalp, neck, hands, feet, or genitals, for lesions up to 0.5 cm	1
11421		Removal of a benign lesion, excluding skin tags, with margins from the skin of the scalp, neck, hands, feet, or genitals, for lesions between 0.6 and 1 cm	1
55520		Removal of diseased or damaged tissue from the spermatic cord in the scrotum	1
55041		Excision of bilateral hydrocele	1
51703		Complicated insertion of a temporary indwelling bladder catheter	1
97607		Negative pressure wound therapy (≤ 50 cm ²)	1
97606		Negative pressure wound therapy (> 50 cm ²)	1
54520		Simple orchiectomy (scrotal or inguinal approach)	1
17110		Destruction of up to 14 benign lesions using techniques such as chemosurgery, cryosurgery, electrosurgery, or others	1
15852		Dressing change under anesthesia (unrelated to burn)	1
51701		Placement of a temporary bladder catheter, such as a straight catheter, for purposes like residual urine measurement	1
17999		Unlisted procedure involving the skin, mucous membrane, or subcutaneous tissue	1

Table S2 Excluded CPT codes

CPT	Description	Frequency
11000	Debridement of extensive areas of eczematous or infected skin; for each additional 10% of body surface area, or a portion of it	2
11042	Debridement of subcutaneous tissue, including the epidermis and dermis if needed, for the first 20 square centimeters or less	2
11043	Debridement of muscle and/or fascia, which may also include the epidermis, dermis, and subcutaneous tissue if necessary, for an area up to 20 square centimeters	3
11463	Removal of skin and subcutaneous tissue for hidradenitis in the inguinal region, followed by complex repair	1
11626	Removal of a malignant lesion, including margins, from the face, ears, eyelids, nose, or lips, with an excised diameter greater than 4.0 cm	1
49505	Repair, recurrent inguinal hernia, any age; initial inguinal	2
49560	Initial repair of a reducible inguinal hernia in patients aged 5 years or older	1
49568	Initial repair of an incarcerated or strangulated inguinal hernia in patients aged 5 years or older	1
55250	Hernia repair, other than hiatus (ex. femoral, obturator, spigelian, umbilical, epigastric, or incisional hernia); reducible	1

Table S3 Top 10 most frequent procedures performed. This includes cases where only a single anatomic category was addressed or where multiple anatomic categories were addressed

Type of procedure	Frequency of patients [% of total]
Penile procedure only	14 [10]
Pannus-related + skin graft	11 [8]
Penile procedure + tissue transfer	9 [6]
Pannus-related procedure only	9 [6]
Penile + pannus-related procedures	8 [5]
Penile + scrotal procedures	4 [3]
Penile procedure + tissue transfer + skin graft	4 [3]
Penile + urethral procedures	4 [3]
Pannus-related + scrotal procedures	4 [3]
Tissue transfer only	4 [3]

Table S4 Differences in ABP procedures performed by surgical specialty. Due to small sample size of cases done by general surgery (N=5), they were not included for comparison

Anatomic category	Plastics (N=40)	Urology (N=101)	P value
Penile procedures	15 (38%)	61 (60%)	0.01
Pannus-related procedures	25 (63%)	39 (39%)	0.01
Scrotal procedures	8 (20%)	37 (37%)	0.06
Urethral procedures	7 (18%)	23 (23%)	0.49
Skin grafts	15 (38%)	35 (35%)	0.75
Tissue transfers	13 (33%)	26 (26%)	0.42
Other	5 (13%)	18 (18%)	0.44