

AutoCart™ Procedure Using GraftNet™ Autologous Tissue Collector and BioCartilage® Extracellular Matrix

2025 Coding and Reimbursement Guidelines

To help answer common coding and reimbursement questions about arthroscopic procedures for treatment of articular cartilage defects, the following information is shared for educational and strategic planning purposes only. While Arthrex believes this information to be correct, coding and reimbursement decisions by AMA, CMS, and leading payers are subject to change without notice. As a result, providers are encouraged to speak regularly with their payers.

Value Analysis Significance

The AutoCart surgical technique is for the treatment of symptomatic articular cartilage defects. This surgical approach is a single-stage, matrix-augmented, autologous chondrocyte transplantation that combines articular cartilage collected using the GraftNet device with BioCartilage extracellular matrix. The ability to augment microfracture procedures with a low-cost, high-value approach that is minimally invasive and supported by clinical evidence makes the AutoCart procedure an important technique for surgeons to include in their joint preservation algorithm.

Coding Considerations

Codes provide a uniform language for describing services performed by health care providers. The actual selection of codes depends on the primary surgical procedure, supported by details in the patient's medical record about medical necessity. It is the sole responsibility of the health care provider to correctly prepare claims submitted to insurance carriers.

Physician's Professional Fee

The primary endoscopic/arthroscopic procedure determined by the surgeon may include:

2025 Medicare National Average Rates and Allowables (Not Adjusted for Geography)		Physician ^{b,c}		Hospital Outpatient ^d		ASC ^e
		Medicare National Average				
CPT ^a Code HCPCS Code	Code Description	Facility Setting (HOPD and ASC)	Non-Facility Setting (Office)	APC and APC Description	Medicare National Average	Medicare National Average
Shoulder						
29805	Shoulder arthroscopy, diagnostic	\$468.70	N/A	5113 - Level 3 Musculoskeletal (MSK) Procedures	\$3244.61	\$1579.16
29819	Removal of loose body or foreign body	\$582.24	N/A	5113 - Level 3 MSK Procedures	\$3244.61	\$1579.16
29820	Synovectomy, partial	\$531.45	N/A	5114 - Level 4 MSK Procedures	\$7143.73	\$3510.84
29821	Synovectomy, complete	\$590.00	N/A	5113 - Level 3 MSK Procedures	\$3244.61	\$1579.16
29822	Debridement, limited	\$538.89	N/A	5113 - Level 3 MSK Procedures	\$3244.61	\$1579.16
29823	Debridement, extensive	\$587.74	N/A	5113 - Level 3 MSK Procedures	\$3244.61	\$1579.16
29827	Arthroscopy, shoulder, surgical; with rotator cuff repair	\$1050.29	N/A	5114 - Level 4 MSK Procedures	\$7143.73	\$3510.84
0232T	Injection(s), platelet-rich plasma, any site, including image guidance, harvesting and preparation when performed	Contractor priced		5735 – Level 5 Minor Procedures	\$399.04	N/A

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Elbow						
29830	Elbow arthroscopy, diagnostic	\$457.38	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29834	Removal of loose body or foreign body	\$492.96	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29835	Synovectomy, partial	\$508.81	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29836	Synovectomy, complete	\$583.21	N/A	5114 – Level 4 MSK Procedures	\$7143.73	\$3510.84
29837	Debridement, limited	\$517.87	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29838	Debridement, extensive	\$591.29	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
Wrist						
29840	Wrist arthroscopy, diagnostic	\$455.44	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29843	For infection, lavage, and drainage	\$486.49	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29844	Synovectomy, partial	\$500.08	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29845	Synovectomy, complete	\$583.53	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
Hand						
29900	Arthroscopy, metacarpophalangeal joint, diagnostic, with synovial biopsy	\$505.58	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29901	Arthroscopy, metacarpophalangeal joint, surgical, with debridement	\$541.16	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
0232T	Injection(s), platelet-rich plasma, any site, including, image guidance, harvesting and preparation when performed	Contractor priced		5735 – Level 5 Minor Procedures	\$399.04	N/A
Hip						
29860	Hip arthroscopy, diagnostic	\$653.40	N/A	5114 – Level 4 MSK Procedures	\$7143.73	\$3510.84
29861	Removal of loose body or foreign body	\$687.36	N/A	5114 – Level 4 MSK Procedures	\$7143.73	\$3510.84
29862	With debridement/shaving of articular cartilage (chondroplasty), abrasion arthroplasty, and/or resection of labrum	\$802.19	N/A	5114 – Level 4 MSK Procedures	\$7143.73	\$3510.84
29863	With synovectomy	\$806.40	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29914	With femoroplasty (ie, treatment of cam lesion)	\$979.78	N/A	5114 – Level 4 MSK Procedures	\$7143.73	\$3510.84
29915	With acetabuloplasty (ie, treatment of pincer lesion)	\$998.54	N/A	5114 – Level 4 MSK Procedures	\$7143.73	\$3510.84
29916	With labral repair	\$999.83	N/A	5114 – Level 4 MSK Procedures	\$7143.73	\$3510.84

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Knee						
27415	Osteochondral allograft, knee open	\$1350.47	N/A	5115 – Level 5 MSK Procedures	\$12,866.82	\$11,001.72
29867	Arthroscopy, knee, surgical; osteochondral allograft (eg, mosaicplasty)	\$1259.90	N/A	5115 – Level 5 MSK Procedures	\$12,866.82	\$10,012.77
29870	Arthroscopy, knee, diagnostic, with or without synovial biopsy	\$412.74	\$548.60	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29871	For infection, lavage, and drainage	\$513.34	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29874	Removal of loose body or foreign body	\$532.42	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29875	Synovectomy, limited	\$494.25	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29876	Synovectomy, major, 2 or more compartments (eg, medial or lateral)	\$647.90	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29877	Debridement/shaving of articular cartilage (chondroplasty)	\$616.52	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29879	Abrasion arthroplasty (includes chondroplasty where necessary) or multiple drilling or microfracture	\$656.63	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29880	With meniscectomy (medial and lateral, includes meniscal shaving) includes debridement/shaving of articular cartilage	\$558.30	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29881	With meniscectomy (medial OR lateral, includes meniscal shaving) includes debridement/shaving of articular cartilage (chondroplasty, same or separate compartment(s) when performed)	\$538.25	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29885	Drilling for osteochondritis dissecans with bone grafting, with or without internal fixation (including debridement of base of lesion)	\$751.09	N/A	5114 – Level 4 MSK Procedures	\$7143.73	\$4743.09
29886	Drilling for intact osteochondritis dissecans lesion	\$633.99	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29887	Drilling of intact osteochondritis dissecans lesion with internal fixation	\$748.17	N/A	5114 – Level 4 MSK Procedures	\$7143.73	\$5036.61
29888	Arthroscopically aided anterior cruciate ligament repair/augmentation or reconstruction	\$957.46	N/A	5114 – Level 4 MSK Procedures	\$7143.73	\$4628.28
29889	Arthroscopically aided posterior cruciate ligament repair/augmentation or reconstruction	\$1207.82	N/A	5115 – Level 5 MSK Procedures	\$12,866.82	\$8478.40
0232T	Injection(s), platelet-rich plasma, any site (including image guidance, harvesting, and preparation, when performed)	Contractor priced		5735 – Level 5 Minor Procedures	\$399.04	N/A

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Foot and Ankle						
29891	Arthroscopy, ankle, surgical, excision of osteochondral defect of talus and/or tibia, including drilling of the defect	\$666.98	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29892	Arthroscopically aided repair of large osteochondritis dissecans lesion, talar dome fracture, or tibial plafond fracture, with or without internal fixation (includes arthroscopy)	\$633.02	N/A	5114 – Level 4 MSK Procedures	\$7143.73	\$3510.84
29894	Arthroscopy, ankle (tibiotalar and fibulotalar joints) surgical, with removal of loose body or foreign body	\$500.40	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29895	Synovectomy, partial	\$453.82	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29897	Debridement, limited	\$486.81	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29898	Debridement, extensive	\$552.80	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29899	With ankle arthrodesis	\$980.75	N/A	5114 – Level 4 MSK Procedures	\$7143.73	\$4449.87
29904	Arthroscopy, subtalar joint, surgical, with removal of loose body or foreign body	\$637.23	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29905	With synovectomy	\$505.58	N/A	5114 – Level 4 MSK Procedures	\$7143.73	\$3510.84
29906	With debridement	\$658.25	N/A	5113 – Level 3 MSK Procedures	\$3244.61	\$1579.16
29907	With subtalar arthrodesis	\$867.86	N/A	5115 – Level 5 MSK Procedures	\$12,866.82	\$8838.38
29999	Unlisted procedure, arthroscopy	Contractor priced		5111 – Level 1 MSK Procedures	\$239.88	N/A
0232T	Injection(s), platelet-rich plasma, any site, including image guidance, harvesting and preparation when performed	Contractor priced		5735 – Level 5 Minor Procedures	\$399.04	N/A

^a CPT (Current Procedural Terminology) is a registered trademark of the American Medical Association. Health care providers and their professional coders must closely review this primary citation along with the patient's medical record before selecting the appropriate code.

^b AMA CPT 2025 and CMS PFS 2025 Final Rule

^c CMS Conversion Factor (CF) effective January 1, 2025: \$32.3465

^d CMS 2025 OPFS Final Rule @ www.cms.gov

^e CMS 2025 ASC Final Rule @ www.cms.gov



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HCPSC Code	Code Description	Notes
C1762	Connective tissue, human These tissues include a natural, cellular collagen, or extracellular matrix obtained from autologous rectus fascia, decellularized cadaveric fascia lata, or decellularized dermal tissue. They are intended to repair or support damaged or inadequate soft tissue.	For Medicare, anchors/screws/joint devices are not separately reimbursed in any setting of care (eg, hospital, ASC). These costs are absorbed by the facility via the appropriate reimbursement mechanism (eg, MS-DRG, APC, etc).
L8699	Prosthetic implant, no otherwise specified This code reports prosthetic implants that are not otherwise described in more specific HCPSC Level II codes.	For non-Medicare (eg, commercial) patients, depending on contractual terms and general stipulations of the payer, direct invoicing by the facility may be allowed. Contact the patient's insurance company or refer to the facility's payer contract for more information.

List of Pass-Through Payment Device Category Codes (Updated September 2022) https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/HospitalOutpatientPPS/passthrough_payment

For more information about the primary procedure, please speak with your admitting surgeon. You may also call the Arthrex Coding Helpline at 1-844-604-6359 or email AskMarketAccess@arthrex.com.

The content provided in this guide is for informational purposes only. The Arthrex Coding Helpline does not guarantee reimbursement by third-party payers.

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