

2021 Coding and Reimbursement Guidelines for the BioSurge™ Convenience Kit

Coding and Reimbursement Guide

To help answer common coding and reimbursement questions about endoscopic, arthroscopic, or open procedures completed with the BioSurge Convenience Kit, 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.

FDA Regulatory Clearance (For Arthrex Angel® System):

To be used in the clinical laboratory or intraoperatively at the point of care for the safe and rapid preparation of platelet-poor plasma and platelet concentrate (platelet-rich plasma) from a small sample of whole blood or a small mixture of blood and bone marrow. The platelet-rich plasma can be mixed with autograft and/or allograft bone prior to application to an orthopedic site (BK110046, November 7, 2012)

Value Analysis Significance:

The Arthrex BioSurge system combines the matrices of the AlloSync™ bone grafting solutions line with the Angel® system's proprietary technology to prepare customized platelet-rich plasma concentrate (cPRP) from bone marrow aspirate (BMA). Hydrated AlloSync bone grafts provide the optimal scaffold for cPRP from BMA, which is a rich source of platelets and nucleated and progenitor cells.

Coding Considerations:

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

Physician's Professional Fee

The primary Endoscopic/Arthroscopic/Open procedure determined by the surgeon may include:

| 2021 Medicare National Average Rates and Allowables (Not Adjusted for Geography) | | Physician ² | | Hospital Outpatient ³ | | ASC ⁴ |
|--|---|---------------------------------|-------------------------------|--|---------------------------|---------------------------|
| | | Medicare National Average | | | | |
| CPT ¹ Code HCPCS Code | Code Description | Facility Setting (HOPD and ASC) | Non-Facility Setting (Office) | APC & APC Description | Medicare National Average | Medicare National Average |
| Repair, Revision, and/or Reconstruction | | | | | | |
| Shoulder | | | | | | |
| 23410 | Repair of ruptured musculotendinous cuff (e.g., rotator cuff) open; acute | \$845.11 | N/A | 5114 – Level 4 Musculoskeletal (MSK) Procedures | \$6,624.95 | \$2,944.24 |
| 23412 | Repair of ruptured musculotendinous cuff (e.g., rotator cuff) open; chronic | \$877.91 | N/A | 5114 – Level 4 MSK Procedures | \$6,624.95 | \$2,944.24 |
| 23420 | Reconstruction of complete shoulder (rotator) cuff avulsion, chronic (includes acromioplasty) | \$1,002.83 | N/A | 5114 – Level 4 MSK Procedures | \$6,624.95 | \$2,944.24 |
| 23472 | Total shoulder (glenoid and proximal humeral replacement (e.g., total shoulder) | \$1,488.89 | N/A | Inpatient Procedure Only | | |
| 23473 | Revision of total shoulder arthroplasty, including allograft when performed; humeral or glenoid component | \$1,660.91 | N/A | 5115 – Level 5 MSK Procedures | \$12,314.76 | \$8,578.28 |

Endoscopy/Arthroscopy

Shoulder

| | | | | | | |
|-------|---|------------|-----|----------------------------------|------------|------------|
| 29806 | Arthroscopy, shoulder, surgical, capsulorrhaphy | \$1,088.66 | N/A | 5114 – Level 4 MSK Procedures | \$6,264.95 | \$2,944.44 |
| 29827 | With rotator cuff repair | \$1,100.53 | N/A | 5114 – Level 4 MSK Procedures | \$6,264.95 | \$2,944.44 |

¹ CPT is the registered trademark of the American Medical Association. Healthcare providers and their professional coders must closely review this primary citation along with the patient's medical record before selecting the appropriate code.

² Source: AMA CPT 2021 and CMS PFS 2021 Final Rule

³ Source: CMS 2021 OPFS Final Rule @ www.cms.gov

⁴ Source: CMS 2021 ASC Final Rule @ www.cms.gov

Repair, Revision, and/or Reconstruction

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FEMUR (Thigh Region) and Knee

| | | | | | | |
|-------|--|------------|-----|---|-------------|-------------|
| 27405 | Repair, primary, torn ligament and/or capsule, knee; collateral | \$697.86 | N/A | 5114 – Level 4 Musculoskeletal (MSK) Procedures | \$6,264.95 | \$2,944.24 |
| 27407 | cruciate | \$821.73 | N/A | 5114 – Level 4 MSK Procedures | \$6,264.95 | \$2,944.24 |
| 27409 | Collateral and cruciate ligaments | \$997.24 | N/A | 5114 – Level 4 MSK Procedures | \$6,264.95 | \$2,944.24 |
| 27415 | Osteochondral allograft, knee, open | \$1,412.12 | N/A | 5115 – Level 5 MSK Procedures | \$12,314.76 | \$10,163.92 |
| 27416 | Osteochondral allograft(s), knee, open (e.g. mosaicplasty), including harvesting of autograft) | \$1,008.76 | N/A | 5114 – Level 4 MSK Procedures | \$6,264.95 | \$2,944.24 |
| 27418 | Anterior tibial tubercleplasty (e.g. Maquet-type procedure) | \$856.97 | N/A | 5114 – Level 4 MSK Procedures | \$6,264.95 | \$2,944.24 |
| 27448 | Osteotomy, femur, shaft or supracondylar; without fixation | \$832.20 | N/A | 5114 – Level 4 MSK Procedures | \$6,264.95 | N/A |

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| Repair, Revision and/or Reconstruction | | | | | | |
| Leg (Tibia and Fibula) and Ankle Joint | | | | | | |
| 27635 | Excision or curettage of bone cyst or benign tumor, tibia or fibula | \$600.16 | N/A | 5113 – Level 3 Musculoskeletal (MSK) Procedures | \$2,830.40 | \$1,335.09 |
| 27638 | with allograft | \$780.21 | N/A | 5114 – Level 4 MSK Procedures | \$6,264.95 | \$2,944.24 |
| 27705 | Osteotomy; tibia | \$778.81 | N/A | 5114 – Level 4 MSK Procedures | \$6,264.95 | \$3,820.49 |
| 27707 | fibula | \$411.39 | N/A | 5113 – Level 3 MSK Procedures | \$2,830.40 | \$1,335.09 |
| 27709 | tibia and fibula | \$1,187.06 | N/A | 5115 – Level 5 MSK Procedures | \$12,314.76 | \$7,756.90 |
| 27726 | Repair of fibula nonunion and/or malunion with internal fixation | \$987.13 | N/A | 5114 – Level 4 MSK Procedures | \$6,264.95 | \$3,969.67 |
| 27758 | Open treatment of tibial shaft fracture (with or without fibular fracture) with plate/screws, with or without cerclage | \$922.92 | N/A | 5115 – Level 5 MSK Procedures | \$12,314.76 | \$8,310.96 |
| 27759 | Treatment of tibial shaft fracture (with or without fibular fracture) by intramedullary implant, with or without interlocking screws and/or cerclage | \$1,027.60 | N/A | 5115 – Level 5 MSK Procedures | \$12,314.76 | \$8,105.90 |
| 27766 | Open treatment of medial malleolus fracture, includes internal fixation, when performed | \$624.59 | N/A | 5114 – Level 4 MSK Procedures | \$6,264.95 | \$2,944.24 |
| 27769 | Open treatment of posterior malleolus fracture, includes internal fixation, when performed | \$754.04 | N/A | 5114 – Level 4 MSK Procedures | \$6,264.95 | \$2,944.24 |
| 27784 | Open treatment of proximal fibula or shaft fracture, includes internal fixation, when performed | \$727.52 | N/A | 5114 – Level 4 MSK Procedures | \$6,264.95 | \$2,944.24 |
| 27792 | Open treatment of distal fibular fracture (lateral malleolus, includes internal fixation, when performed | \$665.76 | N/A | 5114 – Level 4 MSK Procedures | \$6,264.95 | \$3,927.74 |
| 27814 | Open treatment of bimalleolar ankle fracture (eg lateral and medial malleoli, or lateral and posterior malleoli, or medial and posterior malleoli), includes internal fixation, when performed | \$788.93 | N/A | 5114 – Level 4 MSK Procedures | \$6,264.95 | \$3,950.55 |
| 27829 | Open treatment of distal tibiofibular (syndesmosis) disruption, includes internal fixation, when performed | \$732.09 | N/A | 5114 – Level 4 MSK Procedures | \$6,264.95 | \$3,987.35 |
| 27870 | Arthrodesis, ankle, open | \$1,042.26 | N/A | 5115 – Level 5 MSK Procedures | \$12,314.76 | \$8,711.94 |
| 27871 | Arthrodesis, tibiofibular joint, proximal or distal | \$709.38 | N/A | 5115 – Level 5 MSK Procedures | \$12,314.76 | \$9,066.65 |

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| Repair, Revision and/or Reconstruction | | | | | | |
| Foot and Ankle | | | | | | |
| 28320 | Repair, nonunion or malunion, tarsal bone | \$632.26 | N/A | 5115 – Level 5 Musculoskeletal (MSK) Procedures | \$12,314.76 | \$8,637.69 |
| 28322 | Metatarsal, with or without bone graft (includes obtaining graft) | \$590.74 | \$815.80 | 5114 – Level 4 MSK Procedures | \$6,264.95 | \$4,090.04 |
| 20999 | Unlisted procedure, musculoskeletal system, general | Contractor priced | | 5111 – Level 1 MSK Procedures | \$206.19 | 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 | \$270.22 | Packaged service/item; no separate payment |

| HCPCS Code | Description | Hospital Outpatient or ASC Coding |
|------------|---|--|
| C1713 | <p>Anchor/screw for opposing bone-to-bone or soft tissue to bone (implantable)</p> <p><i>Anchor for opposing bone-to-bone or soft tissue-to-bone (C1713) – Implantable pins and/or screws that are used to oppose soft tissue-to-bone, tendon-to-bone, or bone-to-bone. Screws oppose tissues via drilling as follows: soft tissue-to-bone, tendon-to-bone, or bone-to-bone fixation. Pins are inserted or drilled into bone, principally with the intent to facilitate stabilization or oppose bone-to-bone. This may include orthopedic plates with accompanying washers and nuts. This category also applies to synthetic bone substitutes that may be used to fill bony void or gaps (i.e., bone substitute implanted into a bony defect created from trauma or surgery.) (List of Pass Through Payment Device Category Codes – Updated July 2020)</i></p> <p>https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/HospitalOutpatientPPS/Downloads/Compleat-list-DeviceCats-OPPS.pdf</p> | <p>For Medicare, implantable bone graft materials are not separately reimbursed in any setting of care (e.g. hospital, ASC, office). These costs are absorbed by the facility via the appropriate reimbursement mechanism (e.g. MS-DRG, APC, etc.)</p> <p>For non-Medicare (Commercial) patients, depending on contractual terms and general stipulations of the payer, direct invoicing may be allowed. Contact the patient's insurance company or the facility's contract for further information.</p> |

For more information about the primary procedure, please speak with your admitting surgeon. You may also call Arthrex's Reimbursement Helpline at 1-877-734-6289 or e-mail us at arthrex@mcra.com.

This content is not intended to instruct medical providers on how to use or bill for healthcare procedures, including new technologies outside of Medicare national guidelines. A determination of medical necessity is a prerequisite that we assume will have been made prior to assigning codes or requesting payments. Medical providers should consult with appropriate payers, including Medicare fiscal intermediaries and carriers, for specific information on proper coding, billing, and payment levels for healthcare procedures.

The information provided in this handout represents no promise or guarantee concerning coverage, coding, billing, and payment levels. Arthrex specifically disclaims liability or responsibility for the results or consequences of any actions taken in reliance on this information. It does not constitute legal advice and no warranty regarding completeness or accuracy is implied. The essential components which determine appropriate payment for a procedure or a product are site of service/coding/coverage/ payment system/geographical location/national and local medical review policies and/or payer edits.

