

# Synovasure<sup>®</sup> Comprehensive PJI Test Panel with SynTuition<sup>™</sup> Coding Reference Guide



SynTuition\* is the first-of-its-kind application of artificial intelligence (AI) to aid in the diagnosis of Periprosthetic Joint Infection (PJI). SynTuition uses an algorithm that was developed using unsupervised machine-learning to combine multiple test results to alleviate the need for physicians to interpret multiple test reports, and apply and calculate a diagnostic criteria, and diagnosis. SynTuition uses a single synovial fluid aspiration, tested by a single laboratory, to provide a PJI probability score; final patient diagnosis responsibility lies with the medical professional.

Physician	
CPT <sup>®</sup> Code	CPT Description
<b>Arthrocentesis</b>	
<b>20610</b>	Arthrocentesis, aspiration and/or injection, major joint or bursa (eg, shoulder, hip, knee, subacromial bursa); without ultrasound guidance
<b>20611</b>	Arthrocentesis, aspiration and/or injection, major joint or bursa (eg, shoulder, hip, knee, subacromial bursa); with ultrasound guidance, with permanent recording and reporting
<b>Synovasure<sup>®</sup> Comprehensive PJI Test Panel with SynTuition</b>	
<b>0601U</b>	Infectious disease (periprosthetic joint infection), analysis of 11 biomarkers (alpha defensins 1-3, C-reactive protein, microbial antigens for Staphylococcus [SPA, SPB], Enterococcus, Candida, and C. acnes, total nucleated cell count, percent neutrophils, RBC count, and absorbance at 280 nm) using immunoassays, hematology, clinical chemistry, synovial fluid, and diagnostic algorithm reported as a probability score.

## Medical Necessity Criteria:

Medical necessity for CPT 0601U is generally determined by individual health plans and requires sufficient evidence that the test results will directly impact patient management and improve outcomes. The specific criteria often involve the following:

- **Clinical Presentation:** The patient must present with signs and symptoms of a potential periprosthetic joint infection.
- **Clinical Utility:** The test is considered medically necessary if the results provide a net benefit over alternative diagnostic methods and a reasonable likelihood that the test will change management (e.g., confirming the need for a specific, potentially invasive, treatment).
- **Documentation:** The patient's medical records must clearly document the clinical situation and the ordering physician's intent to use the test results for prompt treatment decisions that would not be made otherwise.
- **Payer Policies:** Coverage varies by insurer; some require prior authorization. Effective January 1, 2026, certain commercial and Medicare Advantage plans have updated policies. Payers may require medical records to be submitted with the claim.

For documentation requirements, contact Zimmer Biomet Patient Access Solutions at 866-946-0444, option 2

CPT/Healthcare Common Procedure Coding System (HCPCS) Modifiers	
Modifier	Description
<b>LT</b>	Left Side
<b>RT</b>	Right Side
<b>50</b>	Bilateral Procedure
<b>59</b>	Distinct Procedural Service
<b>90</b>	Reference (Outside) Laboratory

Hospital Outpatient and Ambulatory Surgical Center (ASC)				
CPT® Code	Description	OPPS Status Indicator	Ambulatory Payment Classification	ASC Payment Indicator
<b>Arthrocentesis</b>				
20610	Arthrocentesis, aspiration and/or injection, major joint or bursa (eg, shoulder, hip, knee, subacromial bursa); without ultrasound guidance	T	5441	P3
20611	Arthrocentesis, aspiration and/or injection, major joint or bursa (eg, shoulder, hip, knee, subacromial bursa); with ultrasound guidance, with permanent recording and reporting	T	5441	P3
<b>Synovasure® Comprehensive PJI Test Panel with SynTuition</b>				
0601U	Infectious disease (periprosthetic joint infection), analysis of 11 biomarkers (alpha defensins 1-3, C-reactive protein, microbial antigens for Staphylococcus [SPA, SPB], Enterococcus, Candida, and C. acnes, total nucleated cell count, percent neutrophils, RBC count, and absorbance at 280 nm) using immunoassays, hematology, clinical chemistry, synovial fluid, and diagnostic algorithm reported as a probability score.	Q4	--	NA

**OPPS - Outpatient Prospective Payment System; APC - Ambulatory Payment Classification; ASC - Ambulatory Surgical Center.**

**Status Indicator:** Q4 - Conditionally Packaged Laboratory Tests Paid under OPPS or CLFS; T - Procedure or Service, Multiple Procedure Reduction Applies Paid under OPPS; separate APC payment.

**APC:** 5441 - Level 1 Nerve Injections.

**Payment Indicator:** NA - This procedure is not on Medicare's ASC Coverage Procedures List (ASC CPL); P3 - Office-based surgical procedure added to ASC list in CY 2008 or later with MPFS nonfacility PE RVUs; payment based on MPFS nonfacility PE RVUs.

**For further assistance with reimbursement questions, contact the Zimmer Biomet Reimbursement Hotline at 866-946-0444 or [reimbursement@zimmerbiomet.com](mailto:reimbursement@zimmerbiomet.com), or visit our reimbursement web site at [zimmerbiomet.com/reimbursement](https://zimmerbiomet.com/reimbursement).**

SynTuition is available as laboratory-developed test (LDT). Synovasure Microbial Identification and Synovasure Comprehensive NSA Panel are not available in New York State.

\* SynTuition and Synovasure Microbial Identification are not available in New York State.

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