

# Culture and PCR analysis of joint fluid in the diagnosis of

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Citation Report

#	ARTICLE	IF	CITATIONS
4	Infection Associated with Prosthetic Joints. <i>New England Journal of Medicine</i> , 2009, 361, 787-794.	13.9	722
5	Validity of Frozen Sections for Analysis of Periprosthetic Loosening Membranes. <i>Clinical Orthopaedics and Related Research</i> , 2010, 468, 762-768.	0.7	70
6	Prosthetic joint infection: Recent developments in diagnosis and management. <i>Journal of Infection</i> , 2010, 61, 443-448.	1.7	97
7	Improved Diagnosis of Periprosthetic Joint Infection by Multiplex PCR of Sonication Fluid from Removed Implants. <i>Journal of Clinical Microbiology</i> , 2010, 48, 1208-1214.	1.8	309
8	Direct Detection of Staphylococcus Osteoarticular Infections by Use of Xpert MRSA/SA SSTI Real-Time PCR. <i>Journal of Clinical Microbiology</i> , 2011, 49, 4225-4230.	1.8	55
9	Comparison of conventional culture with SeptiFast real-time PCR for microbial pathogen detection in clinical specimens other than blood. <i>Journal of Medical Microbiology</i> , 2011, 60, 1774-1778.	0.7	25
10	<i>MBL2</i> gene variation affecting serum <i>MBL2</i> is associated with prosthetic joint infection in Czech patients after total joint arthroplasty. <i>Tissue Antigens</i> , 2012, 80, 444-451.	1.0	13
11	Variation in the <i>IL1B</i> , <i>TNF</i> and <i>IL6</i> genes and individual susceptibility to prosthetic joint infection. <i>BMC Immunology</i> , 2012, 13, 25.	0.9	14
12	Is non-union of tibial shaft fractures due to nonculturable bacterial pathogens? A clinical investigation using PCR and culture techniques. <i>Journal of Orthopaedic Surgery and Research</i> , 2012, 7, 20.	0.9	27
13	Multiplex PCR of sonication fluid accurately differentiates between prosthetic joint infection and aseptic failure. <i>Journal of Infection</i> , 2012, 65, 541-548.	1.7	155
14	PCR-hybridization after sonication improves diagnosis of implant-related infection. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012, 83, 299-304.	1.2	78
15	Diagnosis of Periprosthetic Joint Infections in Clinical Practice. <i>International Journal of Artificial Organs</i> , 2012, 35, 913-922.	0.7	25
16	Percutaneous interface biopsy in dry-aspiration cases of chronic periprosthetic joint infections: A technique for preoperative isolation of the infecting organism. <i>International Orthopaedics</i> , 2012, 36, 1281-1286.	0.9	27
17	Coding variants of <i>TLR2</i> and <i>TLR4</i> genes do not substantially contribute to prosthetic joint infection. <i>Inflammation Research</i> , 2013, 62, 483-487.	1.6	5
18	Comparison of molecular and culture method in diagnosis of prosthetic joint infection. <i>FEMS Microbiology Letters</i> , 2013, 343, 42-48.	0.7	47
19	Prosthetic infection: improvement of diagnostic procedures using 16S ribosomal deoxyribonucleic acid polymerase chain reaction. <i>International Orthopaedics</i> , 2013, 37, 2515-2521.	0.9	19
20	PCR-Based Diagnosis of Prosthetic Joint Infection. <i>Journal of Clinical Microbiology</i> , 2013, 51, 2742-2746.	1.8	72
21	Periprosthetic Joint Infections: Clinical and Bench Research. <i>Scientific World Journal</i> , The, 2013, 2013, 1-17.	0.8	24

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22	Sensitivities, Specificities, and Predictive Values of Microbiological Culture Techniques for the Diagnosis of Prosthetic Joint Infection. <i>BioMed Research International</i> , 2014, 2014, 1-5.	0.9	17
23	Use of broth cultures peri-operatively to optimise the microbiological diagnosis of musculoskeletal implant infections. <i>Bone and Joint Journal</i> , 2014, 96-B, 1566-1570.	1.9	12
24	Diagnosis of Periprosthetic Joint Infection. <i>Journal of Orthopaedic Research</i> , 2014, 32, S98-107.	1.2	64
25	Algorithm for the evaluation of the painful total shoulder arthroplasty: Searching for sepsis. <i>Seminars in Arthroplasty</i> , 2014, 25, 295-304.	0.3	1
27	RT-PCR testing of allograft musculoskeletal tissue: is it time for culturebased methods to move over?. <i>Pathology</i> , 2014, 46, 640-643.	0.3	1
28	Low sensitivity of periprosthetic tissue PCR for prosthetic knee infection diagnosis. <i>Diagnostic Microbiology and Infectious Disease</i> , 2014, 79, 448-453.	0.8	68
29	Advantages of sonication fluid culture for the diagnosis of prosthetic joint infection. <i>Journal of Infection</i> , 2014, 69, 35-41.	1.7	108
30	Prosthetic Joint Infection. <i>Clinical Microbiology Reviews</i> , 2014, 27, 302-345.	5.7	1,284
31	Detection of Prosthetic Joint Infection by Use of PCR-Electrospray Ionization Mass Spectrometry Applied to Synovial Fluid. <i>Journal of Clinical Microbiology</i> , 2014, 52, 2202-2205.	1.8	32
32	Comparison of periprosthetic tissues in knee and hip joints: differential expression of CCL3 and DC-STAMP in total knee and hip arthroplasty and similar cytokine profiles in primary knee and hip osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2014, 22, 1851-1860.	0.6	22
33	Culture-Negative Periprosthetic Joint Infection. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014, 96, 430-436.	1.4	164
34	Diagnosis of Periprosthetic Joint Infection. <i>Journal of Arthroplasty</i> , 2014, 29, 77-83.	1.5	193
35	Diagnostic Value of a PCR-Based Technique for Prosthetic Joint Infection. <i>Journal of Clinical Microbiology</i> , 2014, 52, 2281-2282.	1.8	10
39	A protocol for a systematic review of the diagnostic accuracy of blood markers, synovial fluid, and tissue testing in periprosthetic joint infections (PJI). <i>Systematic Reviews</i> , 2015, 4, 148.	2.5	27
40	Acute Bacterial Arthritis. <i>Journal of Clinical Rheumatology</i> , 2015, 21, 196-198.	0.5	9
41	Efficacy of Single-stage Revision with Aggressive Debridement Using Intra-articular Antibiotics in the Treatment of Infected Joint Prosthesis. <i>Infectious Diseases: Research and Treatment</i> , 2015, 8, IDRT.S26824.	0.7	19
42	PCR diagnostic system in the treatment of prosthetic joint infections. <i>Folia Microbiologica</i> , 2015, 60, 385-391.	1.1	3
43	The Alpha-defensin Test for Periprosthetic Joint Infection Responds to a Wide Spectrum of Organisms. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 2229-2235.	0.7	154

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44	Is Xpert MRSA/SA SSTI real-time PCR a reliable tool for fast detection of methicillin-resistant coagulase-negative staphylococci in periprosthetic joint infections?. <i>Diagnostic Microbiology and Infectious Disease</i> , 2015, 83, 59-62.	0.8	15
45	The impact of PCR in the management of prosthetic joint infections. <i>Expert Review of Molecular Diagnostics</i> , 2015, 15, 957-964.	1.5	11
46	The Diagnosis of Periprosthetic Joint Infection. <i>Journal of Arthroplasty</i> , 2015, 30, 908-911.	1.5	70
47	Enrichment of bacteria samples by centrifugation improves the diagnosis of orthopaedics-related infections via real-time PCR amplification of the bacterial methicillin-resistance gene. <i>BMC Research Notes</i> , 2015, 8, 288.	0.6	18
48	Prosthetic joint infections in the elderly. <i>Infection</i> , 2015, 43, 629-637.	2.3	19
49	Silver Nanocoating Technology in the Prevention of Prosthetic Joint Infection. <i>Materials</i> , 2016, 9, 337.	1.3	48
50	Accuracy of diagnostic tests for prosthetic joint infection: a systematic review. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 3064-3074.	2.3	52
51	Diagnostic performance of swab PCR as an alternative to tissue culture methods for diagnosing infections associated with fracture fixation devices. <i>Injury</i> , 2016, 47, 1421-1426.	0.7	22
52	Unyvero i60 implant and tissue infection (ITI) multiplex PCR system in diagnosing periprosthetic joint infection. <i>Journal of Microbiological Methods</i> , 2016, 121, 27-32.	0.7	48
53	Evaluation of a Genus- and Group-Specific Rapid PCR Assay Panel on Synovial Fluid for Diagnosis of Prosthetic Knee Infection. <i>Journal of Clinical Microbiology</i> , 2016, 54, 120-126.	1.8	34
54	Diagnosis of Periprosthetic Infection. <i>Orthopedic Clinics of North America</i> , 2016, 47, 1-9.	0.5	40
55	Infizierte Pseudarthrose. , 2017, , 101-114.		0
56	Diagnosis of prosthetic joint infection with alpha-defensin using a lateral flow device. <i>Bone and Joint Journal</i> , 2017, 99-B, 1176-1182.	1.9	65
57	Reliability of a multiplex PCR system for diagnosis of early and late prosthetic joint infections before and after broth enrichment. <i>International Journal of Medical Microbiology</i> , 2017, 307, 363-370.	1.5	23
58	Excellent Diagnostic Characteristics for Ultrafast Gene Profiling of <i>DEFA1-IL1B-LTF</i> in Detection of Prosthetic Joint Infections. <i>Journal of Clinical Microbiology</i> , 2017, 55, 2686-2697.	1.8	9
59	Can next generation sequencing play a role in detecting pathogens in synovial fluid?. <i>Bone and Joint Journal</i> , 2018, 100-B, 127-133.	1.9	103
60	Differential Contributions of Specimen Types, Culturing, and 16S rRNA Sequencing in Diagnosis of Prosthetic Joint Infections. <i>Journal of Clinical Microbiology</i> , 2018, 56, .	1.8	22
61	Puncture Protocol in the Diagnostic Work-Up of a Suspected Chronic Prosthetic Joint Infection of the Hip. <i>Journal of Arthroplasty</i> , 2018, 33, 1904-1907.	1.5	11

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62	Low inpatient variability of histomorphological findings in periprosthetic tissues from revised metal/ceramic on polyethylene joint arthroplasties. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 2008-2018.	1.6	7
64	Diagnosis of <i>Streptococcus canis</i> periprosthetic joint infection: the utility of next-generation sequencing. <i>Arthroplasty Today</i> , 2018, 4, 20-23.	0.8	39
65	Gram-negative multi-drug resistant bacteria influence survival to discharge for horses with septic synovial structures: 206 Cases (2010–2015). <i>Veterinary Microbiology</i> , 2018, 226, 64-73.	0.8	22
66	Comparison of molecular diagnosis with serum markers and synovial fluid analysis in patients with prosthetic joint infection. <i>Bone and Joint Journal</i> , 2018, 100-B, 1345-1351.	1.9	31
67	Prosthetic Joint Infections: an Update. <i>Current Infectious Disease Reports</i> , 2018, 20, 15.	1.3	38
68	Serum IL-6 in combination with synovial IL-6/CRP shows excellent diagnostic power to detect hip and knee prosthetic joint infection. <i>PLoS ONE</i> , 2018, 13, e0199226.	1.1	33
69	Utility of 16S rRNA PCR in the Synovial Fluid for the Diagnosis of Prosthetic Joint Infection. <i>Annals of Laboratory Medicine</i> , 2018, 38, 610-612.	1.2	8
70	Clinical usefulness of multiplex PCR-lateral flow for the diagnosis of orthopedic-related infections. <i>Modern Rheumatology</i> , 2019, 29, 867-873.	0.9	1
71	Diagnosis of peripheral bone and prosthetic joint infections: overview on the consensus documents by the EANM, EBJIS, and ESR (with ESCMID endorsement). <i>European Radiology</i> , 2019, 29, 6425-6438.	2.3	36
72	Development of a multiplex and sensitive lateral flow immunoassay for the diagnosis of periprosthetic joint infection. <i>Scientific Reports</i> , 2019, 9, 15679.	1.6	20
73	Inflammation time-axis in aseptic loosening of total knee arthroplasty: A preliminary study. <i>PLoS ONE</i> , 2019, 14, e0221056.	1.1	11
74	Consensus document for the diagnosis of prosthetic joint infections: a joint paper by the EANM, EBJIS, and ESR (with ESCMID endorsement). <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 971-988.	3.3	136
75	Performance of Sequencing Assays in Diagnosis of Prosthetic Joint Infection: A Systematic Review and Meta-Analysis. <i>Journal of Arthroplasty</i> , 2019, 34, 1514-1522.e4.	1.5	20
76	Next-Generation Sequencing vs Culture-Based Methods for Diagnosing Periprosthetic Joint Infection After Total Knee Arthroplasty: A Cost-Effectiveness Analysis. <i>Journal of Arthroplasty</i> , 2019, 34, 1333-1341.	1.5	38
77	Value of mNGS in sonication fluid for the diagnosis of periprosthetic joint infection. <i>Arthroplasty</i> , 2019, 1, 9.	0.9	31
78	Polymerase Chain Reaction Assay Using the Restriction Fragment Length Polymorphism Technique in the Detection of Prosthetic Joint Infections: A Multi-Centered Study. <i>Journal of Arthroplasty</i> , 2019, 34, 359-364.	1.5	11
79	Hip and Knee Section, Fungal Periprosthetic Joint Infection, Diagnosis and Treatment: Proceedings of International Consensus on Orthopedic Infections. <i>Journal of Arthroplasty</i> , 2019, 34, S387-S391.	1.5	25
80	Hip and Knee Section, Diagnosis, Pathogen Isolation, Culture: Proceedings of International Consensus on Orthopedic Infections. <i>Journal of Arthroplasty</i> , 2019, 34, S361-S367.	1.5	21

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81	General Assembly, Diagnosis, Pathogen Isolation: Proceedings of International Consensus on Orthopedic Infections. <i>Journal of Arthroplasty</i> , 2019, 34, S207-S214.	1.5	8
82	Prevention of Periprosthetic Joint Infection (PJI): A Clinical Practice Protocol in High-Risk Patients. <i>Tropical Medicine and Infectious Disease</i> , 2020, 5, 186.	0.9	37
83	Gout After Total Knee Arthroplasty. <i>Arthroplasty Today</i> , 2020, 6, 278-282.	0.8	5
84	The Importance Of Multi-site Intra-operative Tissue Sampling In The Diagnosis Of Hip And Knee Periprosthetic Joint Infection - Results From A Single Centre Study. <i>Journal of Bone and Joint Infection</i> , 2020, 5, 151-159.	0.6	9
85	Improving the etiological diagnosis of osteoarticular infections with the commercial multiplex real-time polymerase chain reaction SeptiFast <sup>®</sup> . <i>Diagnostic Microbiology and Infectious Disease</i> , 2020, 97, 115002.	0.8	2
86	Improved pre-operative diagnostic accuracy for low-grade prosthetic joint infections using second-generation multiplex Polymerase chain reaction on joint fluid aspirate. <i>International Orthopaedics</i> , 2020, 44, 1629-1637.	0.9	20
87	Fluorescent <sup>†</sup> conjugated antibodies as rapid ex vivo markers for bacterial presence on orthopedic surgical explants and synovium: A pilot study. <i>Journal of Orthopaedic Research</i> , 2021, 39, 299-307.	1.2	2
88	Soluble Pecam-1 as a Biomarker in Periprosthetic Joint Infection. <i>Journal of Clinical Medicine</i> , 2021, 10, 612.	1.0	6
89	Bacterial DNA screening to characterize surgical site infection risk in orthopaedic patients. <i>Journal of Orthopaedics</i> , 2021, 27, 56-62.	0.6	0
90	â€œRecommendations for periprosthetic joint infections (PJI) prevention: the European Knee Associates (EKA)â€ International Committee American Association of Hip and Knee Surgeons (AAHKS)â€ Arthroplasty Society in Asia (ASIA) survey of membersâ€ Knee Surgery, Sports Traumatology, Arthroscopy, 2022, 30, 3932-3943.	2.3	12
91	Diagnostic utility of open biopsy in patients with two culture-negative aspirations in the diagnostic work-up of periprosthetic joint infection. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2023, 143, 749-754.	1.3	4
92	Low Diagnostic Value of Synovial Aspiration Culture Prior to Reimplantation in Periprosthetic Joint Infection. <i>In Vivo</i> , 2021, 35, 2409-2416.	0.6	3
93	Orthopedic Implantâ€ Associated Infections. , 2015, , 1328-1340.e3.		9
94	The effect of storage delay and storage temperature on orthopaedic surgical samples contaminated by <i>Staphylococcus Epidermidis</i> . <i>PLoS ONE</i> , 2018, 13, e0192048.	1.1	5
95	Management of the Infected Total Hip Arthroplasty. <i>Indian Journal of Orthopaedics</i> , 2017, 51, 397-404.	0.5	11
96	Excellent AUC for joint fluid cytology in the detection/exclusion of hip and knee prosthetic joint infection. <i>Biomedical Papers of the Medical Faculty of the University Palacky&amp;#x0301;, Olomouc, Czechoslovakia</i> , 2017, 161, 310-319.	0.2	19
97	Infections of prosthetic joints and related problems. , 2010, , 457-463.		0
99	The Diagnosis of Prosthetic Joint Infection. , 2015, , 197-207.		0

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100	Advantages of 16S rRNA PCR for the diagnosis of prosthetic joint infection. <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 3104-3113.	0.8	2
101	Isolated tuberculous arthritis of the ankle: a case report and review of the literature. <i>Hippokratia</i> , 2017, 21, 97-100.	0.3	3
102	Evaluation of the MRSA/SA ELITE MGB Assay for the Detection of <i>Staphylococcus aureus</i> in Bone and Joint Infections. <i>Journal of Clinical Microbiology</i> , 2022, 60, JCM0083521.	1.8	4
103	Fracture-Associated Microbiome and Persistent Nonunion: Next-Generation Sequencing Reveals New Findings. <i>Journal of Orthopaedic Trauma</i> , 2022, 36, S40-S46.	0.7	5
104	Diagnostic Value of Next-Generation Sequencing in Periprosthetic Joint Infection: A Systematic Review. <i>Orthopaedic Surgery</i> , 2022, 14, 190-198.	0.7	12
105	A Platelet-Rich Plasma-Derived Biologic Clears <i>Staphylococcus aureus</i> Biofilms While Mitigating Cartilage Degeneration and Joint Inflammation in a Clinically Relevant Large Animal Infectious Arthritis Model. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, .	1.8	11