1. Bémer P, Léger J, Tandé D, Plouzeau C, Valentin AS, Jolivet-Gougeon A, Lemarié C, Kempf M, Héry-Arnaud G, Bret L, Juvin ME, Giraudeau B, Corvec S, Burucoa C; Centre de Référence des Infections Ostéo-articulaires du Grand Ouest (CRIOGO) Study Team.

**How Many Samples and How Many Culture Media To Diagnose a Prosthetic Joint Infection: a Clinical and Microbiological Prospective**

Multicenter Study. J Clin Microbiol. 2016 Feb;54(2):385-91. doi: 10.1128/JCM.02497-15. Epub 2015 Dec 4. PubMed PMID: 26637380; PubMed Central PMCID: PMC4733176.

1. Lallemand E, Coiffier G, Arvieux C, Brillet E, Guggenbuhl P, Jolivet-Gougeon A.

**MALDI-TOF MS performance compared to direct examination, culture, and 16S rDNA PCR for the rapid diagnosis of bone and joint infections.**

Eur J Clin Microbiol Infect Dis. 2016 May;35(5):857-66. doi: 10.1007/s10096-016-2608-x. Epub 2016 Mar 4. PubMed PMID: 26942744.

1. Lemaignen A, Buzelé R, Druon J, Bémer P, Gras G, Arvieux C, Rosset P, Bernard L.

**[Bone and joint infections in adults and children].**

Rev Prat. 2016 Mar;66(3):e121-e131. French. PubMed PMID: 30512802.

1. Lemaignen A, Buzelé R, Druon J, Bémer P, Gras G, Arvieux C, Rosset P, Bernard L.

[**Main forms of bone and joint infections].**

Rev Prat. 2016 Mar;66(3):e119-e120. French. PubMed PMID: 30512801.

1. Letouvet B, Arvieux C, Leroy H, Polard JL, Chapplain JM, Common H, Ecoffey C, Huten D, Jolivet-Gougeon A, Tattevin P.

**Predictors of failure for prosthetic joint infections treated with debridement.**

Med Mal Infect. 2016 Feb;46(1):39-43. doi: 10.1016/j.medmal.2015.11.007. Epub 2015 Dec 17. PubMed PMID: 26712077.

1. Grossi O, Asseray N, Bourigault C, Corvec S, Valette M, Navas D, Happi-Djeukou L, Touchais S, Bémer P, Boutoille D; Nantes Bone and Joint Infections Study Group.

**Gram-negative prosthetic joint infections managed according to a multidisciplinary standardized approach: risk factors for failure and outcome with and without fluoroquinolones.**

J Antimicrob Chemother. 2016 Sep;71(9):2593-7. doi: 10.1093/jac/dkw202. Epub 2016 Jun 7. PubMed PMID: 27278900.

1. Douiri N, Hansmann Y, Lefebvre N, Riegel P, Martin M, Baldeyrou M, Christmann D, Prevost G, Argemi X.

**Staphylococcus lugdunensis: a virulent pathogen causing bone and joint infections.**

Clin Microbiol Infect. 2016 Aug;22(8):747-8. doi: 10.1016/j.cmi.2016.05.031. Epub 2016 Jun 11. PubMed PMID: 27297318.

1. Najm A, Orr C, Heymann MF, Bart G, Veale DJ, Le Goff B.

**Success Rate and Utility of Ultrasound-guided Synovial Biopsies in Clinical Practice.**

J Rheumatol. 2016 Dec;43(12):2113-2119. Epub 2016 Oct 15. PubMed PMID: 27744399.

1. Bart G, Redon H, Boutoille D, Hamel O, Planche L, Maugars Y, Le Goff B.

**Is There an Association Between Magnetic Resonance Imaging and Neurological Signs in Patients With Vertebral Osteomyelitis?: A Retrospective Observational Study on 121 Patients.**

Medicine (Baltimore). 2016 Jan;95(3):e2373. doi: 10.1097/MD.0000000000002373. PubMed PMID: 26817869; PubMed Central PMCID: PMC4998243.

1. Aubin GG, Kambarev S, Guillouzouic A, Lepelletier D, Bémer P, Corvec S.

**Draft Genome Sequences of Four Propionibacterium acnes Strains Isolated from Implant-Related Infections.**

Genome Announc. 2016 Dec 15;4(6). pii: e01395-16. doi: 10.1128/genomeA.01395-16. PubMed PMID: 27979946; PubMed Central PMCID: PMC5159579.

1. Aubin GG, Kambarev S, Bémer P, Lawson PA, Corvec S.

**Draft Genome Sequence of Highly Rifampin-Resistant Propionibacterium namnetense NTS 31307302T Isolated from a Patient with a Bone Infection.**

Genome Announc. 2016 Aug 11;4(4). pii: e00819-16. doi: 10.1128/genomeA.00819-16. PubMed PMID: 27516511; PubMed Central PMCID: PMC4982290.

1. Aubin GG, Bémer P, Kambarev S, Patel NB, Lemenand O, Caillon J, Lawson PA, Corvec S. **Propionibacterium namnetense sp. nov., isolated from a human bone infection.**

Int J Syst Evol Microbiol. 2016 Sep;66(9):3393-3399. doi: 10.1099/ijsem.0.001204. Epub 2016 Jun 3. PubMed PMID: 27259292.

1. Tasse J, Dupieux C, Caillon J, Lanotte P, Lamy B, Aissa N, Bemer P, Mereghetti L, Michon AL, Lozniewski A, Bes M, Trouillet-Assant S, Laurent F.

**Rapid bench identification of methicillin-sensitive and methicillin-resistant Staphylococcus aureus: A multicenter comparative evaluation of Alere PBP2a Culture Colony Test (Alere) Versus Slidex MRSA detection (bioMérieux).**

Diagn Microbiol Infect Dis. 2016 Aug;85(4):419-21. doi: 10.1016/j.diagmicrobio.2016.04.008. Epub 2016 Apr 12. PubMed PMID: 27216499.

1. Asseray N, Bourigault C, Boutoille D, Happi L, Touchais S, Corvec S, Bemer P, Navas D.

**Levofloxacin at the usual dosage to treat bone and joint infections: a cohort analysis.**

Int J Antimicrob Agents. 2016 Jun;47(6):478-81. doi: 10.1016/j.ijantimicag.2016.03.003. Epub 2016 Apr 22. PubMed PMID: 27208901.

1. Aubin GG, Bémer P, Guillouzouic A, Launay E, Geffroy L, Touchais S, Corvec S.

**Failure of combination therapy for Staphylococcus aureus bone infection: a case of in vivo selection with resistance to rifampicin and fusidic acid.**

Infect Dis (Lond). 2016 Sep;48(9):699-702. doi: 10.1080/23744235.2016.1183815. Epub 2016 May 19. PubMed PMID: 27194514.

1. Aubin GG, Boutoille D, Bourcier R, Caillon J, Lepelletier D, Bémer P, Corvec S.

**Unusual Case of Spondylodiscitis due to Listeria monocytogenes.**

J Bone Jt Infect. 2016 Feb 29;1:7-9. doi: 10.7150/jbji.13863. eCollection 2016. PubMed PMID: 28529845; PubMed Central PMCID: PMC5423564.

1. d'Ersu J, Aubin GG, Mercier P, Nicollet P, Bémer P, Corvec S.

**Characterization of Staphylococcus caprae Clinical Isolates Involved in Human Bone and Joint Infections, Compared with Goat Mastitis Isolates.**

J Clin Microbiol. 2016 Jan;54(1):106-13. doi: 10.1128/JCM.01696-15. Epub 2015 Oct 28. PubMed PMID: 26511738; PubMed Central PMCID: PMC4702741.

1. Buzelé R, Lemaignen A, Gras G, Bernard L.

**[Vertebral osteomyelitis: to suspect ahead any inflammatory spinal pain].**

Rev Prat. 2016 Oct;66(8):893-898. French. PubMed PMID: 30512545.

1. Bernard L, Lemaignen A, Ghout I, Bouchand F, Hallouin-Bernard MC, Dinh A.

**Do We Need More Than 6 Weeks of Antimicrobial Treatment for Vertebral Osteomyelitis?**

Clin Infect Dis. 2016 Oct 1;63(7):995. doi: 10.1093/cid/ciw446. Epub 2016 Jul 7. PubMed PMID: 27390142.

1. Albert JD, Monbet V, Jolivet-Gougeon A, Fatih N, Le Corvec M, Seck M, Charpentier F, Coiffier G, Boussard-Pledel C, Bureau B, Guggenbuhl P, Loréal O.

**A novel method for a fast diagnosis of septic arthritis using mid infrared and deported spectroscopy.**

Joint Bone Spine. 2016 May;83(3):318-23. doi: 10.1016/j.jbspin.2015.05.009. Epub 2015 Dec 8. PubMed PMID: 26677999.

1. Bretonnière C, Maitte A, Caillon J, Potel G, Boutoille D, Jacqueline C, Guitton C.

**MIC score, a new tool to compare bacterial susceptibility to antibiotics application to the comparison of susceptibility to different penems of clinical strains of Pseudomonas aeruginosa.**

J Antibiot (Tokyo). 2016 Nov;69(11):806-810. doi: 10.1038/ja.2016.38. Epub 2016 Mar 30. PubMed PMID: 27025352.

1. Grégoire M, Leroy AG, Bouquié R, Malandain D, Dailly E, Boutoille D, Renaud C, Jolliet P, Caillon J, Deslandes G.

**Simultaneous determination of ceftaroline, daptomycin, linezolid and rifampicin concentrations in human plasma by on-line solid phase extraction coupled to high-performance liquid chromatography-tandem mass spectrometry.**

J Pharm Biomed Anal. 2016 Jan 25;118:17-26. doi: 10.1016/j.jpba.2015.10.008. Epub 2015 Oct 26. PubMed PMID: 26512995.

1. Fily F, Ronat JB, Malou N, Kanapathipillai R, Seguin C, Hussein N, Fakhri RM, Langendorf C.

**Post-traumatic osteomyelitis in Middle East war-wounded civilians: resistance to first-line antibiotics in selected bacteria over the decade 2006-2016.**

BMC Infect Dis. 2019 Jan 31;19(1):103. doi: 10.1186/s12879-019-3741-9. PubMed PMID: 30704410; PubMed Central PMCID: PMC6357381.

1. Birgand G, Haudebourg T, Grammatico-Guillon L, Moret L, Gouin F, Mauduit N, Leux C, Manach YL, Tavernier E, Giraudeau B, Lepelletier D, Lucet JC.

**Intraoperative door openings and surgical site infection: a causal association?**

Clin Infect Dis. 2019 Sep 29. pii: ciz954. doi: 10.1093/cid/ciz954. [Epub ahead of print] PubMed PMID: 31563935.

1. Birgand G, Haudebourg T, **Grammatico-Guillon L,** Ferrand L, Moret L, **Gouin F**, Mauduit N, Leux C, Le Manach Y, Lepelletier D, Tavernier E, Lucet JC, Giraudeau B.

**Improvement in staff behavior during surgical procedures to prevent post-operative complications (ARIBO(2)): study protocol for a cluster randomised trial.**

Trials. 2019 May 20;20(1):275. doi: 10.1186/s13063-019-3370-z. PubMed PMID: 31109343; PubMed Central PMCID: PMC6528209.

1. Brulefert K, Córdova LA, Brulin B, Faucon A, Hulin P, Nedellec S, Gouin F, Passuti N, Ishow E, Heymann D.

**Pro-osteoclastic in vitro effect of Polyethylene-like nanoparticles: Involvement in the pathogenesis of implant aseptic loosening.**

J Biomed Mater Res A. 2016 Nov;104(11):2649-57. doi: 10.1002/jbm.a.35803. Epub 2016 Jun 14. PubMed PMID: 27254768.

1. Varenne Y, Curado J, Asloum Y, Salle de Chou E, Colin F, Gouin F.

**Analysis of risk factors of the postoperative complications of surgical treatment of ankle fractures in the elderly: A series of 477 patients.**

Orthop Traumatol Surg Res. 2016 Jun;102(4 Suppl):S245-8. doi: 10.1016/j.otsr.2016.03.004. Epub 2016 Mar 28. PubMed PMID: 27033839.

1. Noailles T, Brulefert K, Chalopin A, Longis PM, Gouin F.

**What are the risk factors for post-operative infection after hip hemiarthroplasty? Systematic review of literature.**

Int Orthop. 2016 Sep;40(9):1843-8. doi: 10.1007/s00264-015-3033-y. Epub 2015 Nov 27. Review. PubMed PMID: 26611729.

1. Buffet-Bataillon S, Tattevin P, Maillard JY, Bonnaure-Mallet M, Jolivet-Gougeon A.

**Efflux pump induction by quaternary ammonium compounds and fluoroquinolone resistance in bacteria.**

Future Microbiol. 2016 Jan;11:81-92.(IF= 3.19)

1. Béraud G, Le Moal G, Sury S, Venisse N.

**Clindamycin and rifampicin: No bull's eye without a target.**

J Infect. 2016 Jan;72(1):120-1. doi: 10.1016/j.jinf.2015.09.015. Epub 2015 Sep 28. PubMed PMID: 26416473.

1. Fangous MS, Hémon F, Graf P, Samier-Guérin A, Alavi Z, Le Bars H, Le Berre R.

**Bone infections caused by Gemella haemolysans.**

Med Mal Infect. 2016 Dec;46(8):449-452. doi: 10.1016/j.medmal.2016.06.005. Epub 2016 Jul 29. Review. PubMed PMID: 27481657.

1. Saliou P, Uguen M, Le Bars H, Le Clech L, Baron R.

**Fungal Outbreaks and Infection Prevention During Demolition: Influence of High-Efficiency Particulate Air Filtration.**

Clin Infect Dis. 2016 Apr 1;62(7):950-1. doi: 10.1093/cid/civ1200. Epub 2015 Dec 23. PubMed PMID: 26703857.

1. Birgand G, Moore LSP, Bourigault C, Vella V, Lepelletier D, Holmes AH, Lucet JC.

**Measures to eradicate multidrug-resistant organism outbreaks: how much do they cost?**

Clin Microbiol Infect. 2016 Feb;22(2):162.e1-162.e9. doi: 10.1016/j.cmi.2015.10.001. Epub 2015 Oct 23. Review. PubMed PMID: 26482264.

1. Lheure C, Grange PA, Ollagnier G, Morand P, Désiré N, Sayon S, Corvec S, Raingeaud J, Marcelin AG, Calvez V, Khammari A, Batteux F, Dréno B, Dupin N.

**TLR-2 Recognizes Propionibacterium acnes CAMP Factor 1 from Highly Inflammatory Strains.**

PLoS One. 2016 Nov 30;11(11):e0167237. doi: 10.1371/journal.pone.0167237. eCollection 2016. PubMed PMID: 27902761; PubMed Central PMCID: PMC5130237.

1. Daguzé J, Frénard C, Saint-Jean M, Dumont R, Touchais S, Corvec S, Dréno B.

**Two cases of non-prosthetic bone and joint infection due to Propionibacterium acnes.**

J Eur Acad Dermatol Venereol. 2016 Nov;30(11):e136-e137. doi: 10.1111/jdv.13446. Epub 2015 Oct 27. PubMed PMID: 26507785.

1. Corvec S, Aubin GG, Bayston R, Ashraf W.

**Which is the best treatment for prosthetic joint infections due to Propionibacterium acnes: need for further biofilm in vitro and experimental foreign-body in vivo studies?**

Acta Orthop. 2016 Jun;87(3):318-9. doi: 10.3109/17453674.2016.1162037. Epub 2016 Apr 4. PubMed PMID: 27045190; PubMed Central PMCID: PMC4900078.

1. Crémet L, Broquet A, Jacqueline C, Chaillou C, Asehnoune K, Corvec S, Caroff N.

**Innate immune evasion of Escherichia coli clinical strains from orthopedic implant infections.**

Eur J Clin Microbiol Infect Dis. 2016 Jun;35(6):993-9. doi: 10.1007/s10096-016-2628-6. Epub 2016 Apr 2. PubMed PMID: 27039343.

1. Batard E, Lefebvre M, Aubin GG, Caroff N, Corvec S.

**High prevalence of cross-resistance to fluoroquinolone and cotrimoxazole in tetracycline-resistant Escherichia coli human clinical isolates.**

J Chemother. 2016 Dec;28(6):510-512. Epub 2016 May 27. PubMed PMID: 25979273.

1. Gazeau P, Noury JB, Binard A, Tandé D, Cornec D.

**Staphylococcus capitis chronic non-destructive septic arthritis without orthopedic implant.**

Med Mal Infect. 2016 Sep;46(6):329-30. doi: 10.1016/j.medmal.2016.03.010. Epub 2016 Apr 27. PubMed PMID: 27132206.