

PUBLICAÇÕES DE 2019
CENTRO DE BACTERIOLOGIA – Instituto Adolfo Lutz

Enterotoxigenic potential and molecular typing of *Staphylococcus* sp. isolated from organic and conventional fresh minas cheese in the state of São Paulo, Brazil.

Da Silva Cândido TJ, da Silva AC, Matos LG, Nascimento MS, Camargo CH, Cobo Zanella R, Mores Rall VL, Cirone Silva NC.

International Dairy Journal, 2020, 102, 104605

Environmental persistence and virulence of *Salmonella* spp. Isolated from a poultry slaughterhouse.

Dantas STA, Camargo CH, Tiba-Casas MR, Vivian RC, Pinto JPAN, Pantoja JCF, Hernandez RT, Fernandes Junior A, Rall VLM

Food Res Int. 2020. 129, 108835.

High similarity and high frequency of virulence genes among *Salmonella* Dublin strains isolated over a 33-year period in Brazil.

Vilela FP, Dos Prazeres Rodrigues D, Costa RG, Casas MRT, Falcão JP, Campioni F.

Braz J Microbiol. 2019 Nov 8. doi: 10.1007/s42770-019-00156-5. [Epub ahead of print]

PMID: 31701384

High rates of *Salmonella* contamination in raw kibbe from commercial establishments: predominance of *Salmonella* Give.

Peresi JTM, De Almeida IAZC, Teixeira ISC, Silva SILE, Graciano RAS, Tiba-Casas MR.

Int J Environ Health Res. 2019 Oct 18:1-10. doi: 10.1080/09603123.2019.1679356. [Epub ahead of print]

PMID: 31625762

Nasopharyngeal carriage of *Streptococcus pneumoniae*, *Haemophilus influenzae*, and *Staphylococcus aureus* in a Brazilian elderly cohort.

Zanella RC, Brandileone MCC, Almeida SCG, de Lemos APS, Sacchi CT, Gonçalves CR, Gonçalves MG, Fukasawa LO, Saraiva MD, Rangel LF, Cunha JLL, Rotta TCA, Douradinho C, Jacob-Filho W, Minamisava R, Andrade AL.

PLoS One. 2019 Aug 22;14(8):e0221525. doi: 10.1371/journal.pone.0221525. eCollection 2019.

PMID: 31437226

International genomic definition of pneumococcal lineages, to contextualise disease, antibiotic resistance and vaccine impact.

Gladstone RA, Lo SW, Lees JA, Croucher NJ, van Tonder AJ, Corander J, Page AJ, Marttinen P, Bentley LJ, Ochoa TJ, Ho PL, du Plessis M, Cornick JE, Kwambana-Adams B, Benisty R, Nzenze SA, Madhi SA, Hawkins PA, Everett DB, Antonio M, Dagan R, Klugman KP, von Gottberg A, McGee L, Breiman RF, Bentley SD; Global Pneumococcal Sequencing Consortium.

EBioMedicine. 2019 May;43:338-346. doi: 10.1016/j.ebiom.2019.04.021. Epub 2019 Apr 16.

PMID: 31003929

Pneumococcal lineages associated with serotype replacement and antibiotic resistance in childhood invasive pneumococcal disease in the post-PCV13 era: an international whole-genome sequencing study.

Lo SW, Gladstone RA, van Tonder AJ, Lees JA, du Plessis M, Benisty R, Givon-Lavi N, Hawkins PA, Cornick JE, Kwambana-Adams B, Law PY, Ho PL, Antonio M, Everett DB, Dagan R, von Gottberg A, Klugman KP, McGee L, Breiman RF, Bentley SD; Global Pneumococcal Sequencing Consortium.

Lancet Infect Dis. 2019 Jul;19(7):759-769. doi: 10.1016/S1473-3099(19)30297-X. Epub 2019 Jun 10.

PMID: 31196809

PUBLICAÇÕES DE 2019
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Development and Validation of Shiga Toxin-Producing *Escherichia coli* Immunodiagnostic Assay.

Silva MA, Santos ARR, Rocha LB, Caetano BA, Mitsunari T, Santos LI, Polatto JM, Horton DSPQ, Guth BEC, Dos Santos LF, Piazza RMF.

Microorganisms. 2019 Aug 21;7(9). pii: E276. doi: 10.3390/microorganisms7090276.

PMID: 31438570

Putative novel cps loci in a large global collection of pneumococci.

van Tonder AJ, Gladstone RA, Lo SW, Nahm MH, du Plessis M, Cornick J, Kwambana-Adams B, Madhi SA, Hawkins PA, Benisty R, Dagan R, Everett D, Antonio M, Klugman KP, von Gottberg A, Breiman RF, McGee L, Bentley SD, The Global Pneumococcal Sequencing Consortium.

Microb Genom. 2019 Jul;5(7). doi: 10.1099/mgen.0.000274. Epub 2019 Jun 11.

PMID: 31184299

The role of respiratory virus infection in suspected pertussis: A prospective study.

Ferronato AE, Leite D, Vieira SE.

J Microbiol Immunol Infect. 2019 Jul 23. pii: S1684-1182(18)30411-0. doi:

10.1016/j.jmii.2019.06.009. [Epub ahead of print]

PMID: 31405786

Long-term effect of 10-valent pneumococcal conjugate vaccine on nasopharyngeal carriage of *Streptococcus pneumoniae* in children in Brazil.

Brandileone MC, Zanella RC, Almeida SCG, Cassiolato AP, Lemos APS, Salgado MM, Higa FT, Minamisava R, Andrade AL.

Vaccine. 2019 Aug 23;37(36):5357-5363. doi: 10.1016/j.vaccine.2019.07.043. Epub 2019 Jul 24.

PMID: 31351796

Characterization of *Escherichia coli* obtained from patients undergoing peritoneal dialysis and diagnosed with peritonitis in a Brazilian centre.

Dias RCB, Vieira MA, Moro AC, Ribolli DFM, Monteiro ACM, Camargo CH, Tiba-Casas MR, Soares FB, Dos Santos LF, Montelli AC, da Cunha MLRS, Barretti P, Hernandez RT.

J Med Microbiol. 2019 Jul 26. doi: 10.1099/jmm.0.001043. [Epub ahead of print]

PMID: 31347999

VanA-type vancomycin-resistant *Enterococcus faecium* ST1336 isolated from mussels in an anthropogenically impacted ecosystem.

Sacramento AG, Fernandes MR, Sellera FP, Dolabella SS, Zanella RC, Cerdeira L, Lincopan N. Mar Pollut Bull. 2019 May;142:533-536. doi: 10.1016/j.marpolbul.2019.04.014. Epub 2019 Apr 9.

Epidemiology and genetic screening of diarrheagenic *Escherichia coli* among symptomatic and asymptomatic children.

Lima FM, de Paulo Daurelio F, Mucci ER, Ahagon CM, Dos Santos Carmo AM, Eterovic A, Fernando Dos Santos L, Tiba-Casas MR, Camargo CH, Cergole-Novella MC.

J Med Microbiol. 2019 Jul;68(7):1033-1041. doi: 10.1099/jmm.0.001020. Epub 2019 Jun 14.

PMID: 31199225

PUBLICAÇÕES DE 2019
CENTRO DE BACTERIOLOGIA – Instituto Adolfo Lutz

Identification and characterization of atypical enteropathogenic and Shiga toxin-producing *Escherichia coli* isolated from ground beef and poultry breast purchased in Botucatu, Brazil.

Tanabe RHS, Vieira MA, Mariano NAB, Dias RCB, da Silva RV, Castro CM, Dos Santos LF, Camargo CH, Yamatogi RS, Rall VLM, Hernandes RT.

Braz J Microbiol. 2019 Jun 11. doi: 10.1007/s42770-019-00101-6. [Epub ahead of print]
PMID: 31187444

Diversity of strategies used by atypical enteropathogenic *Escherichia coli* to induce attaching and effacing lesion in epithelial cells.

Vieira MA, Dias RCB, Dos Santos LF, Rall VLM, Gomes TAT, Hernandes RT.

J Med Microbiol. 2019 Jun;68(6):940-951. doi: 10.1099/jmm.0.000998. Epub 2019 May 20.
PMID: 31107199

Pulmonary nontuberculous mycobacterial infections: presumptive diagnosis based on the international microbiological criteria adopted in the state of São Paulo, Brazil, 2011-2014.

Marques LRM, Ferrazoli L, Chimara É.

J Bras Pneumol. 2019 Apr 25;45(2):e20180278. doi: 10.1590/1806-3713/e20180278. English, Portuguese.
PMID: 31038648

Speeding up the diagnosis of multidrug-resistant tuberculosis in a high-burden region with the use of a commercial line probe assay.

Brandao AP, Pinhata JMW, Oliveira RS, Galesi VMN, Caiaffa-Filho HH, Ferrazoli L.

J Bras Pneumol. 2019 Apr 18;45(2):e20180128. doi: 10.1590/1806-3713/e20180128. English, Portuguese.
PMID: 31017225

Subtyping of plasmid-mediated quinolone resistance among *Salmonella* serotypes by whole genome sequencing.

Soares FB, Camargo CH, Cunha MPV, de Almeida EA, Bertani AMJ, de Carvalho E, de Paiva JB, Fernandes SA, Tiba-Casas MR.

Diagn Microbiol Infect Dis. 2019 Aug;94(4):403-406. doi: 10.1016/j.diagmicrobio.2019.02.015. Epub 2019 Feb 21.
PMID: 30955894

The effectiveness of maternal pertussis vaccination in protecting newborn infants in Brazil: A case-control study.

Fernandes EG, Sato APS, Vaz-de-Lima LRA, Rodrigues M, Leite D, de Brito CA, Luna EJA, Carvalhanas TRMP, Ramos MLBN, Sato HK, de Castilho EA; Maternal Pertussis Vaccine Working Group.

Vaccine. 2019 Aug 23;37(36):5481-5484. doi: 10.1016/j.vaccine.2019.03.049. Epub 2019 Apr 1.
PMID: 30948222

Molecular analysis of clonally related *Salmonella* Typhi recovered from epidemiologically unrelated cases of typhoid fever, Brazil.

Tiba-Casas MR, Sacchi CT, Gonçalves CR, Almeida EA, Soares FB, de Jesus Bertani AM, Fernandes SA, de Paula Eduardo MB, Camargo CH.

Int J Infect Dis. 2019 Apr;81:191-195. doi: 10.1016/j.ijid.2019.02.009. Epub 2019 Mar 5.
PMID: 30849581

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Genetic diversity, antimicrobial resistance and virulence profile of *Salmonella* isolated from the peanut supply chain.

von Hertwig AM, Amorim Neto DP, de Almeida EA, Casas MRT, Nascimento MDSD.

Int J Food Microbiol. 2019 Apr 2;294:50-54. doi: 10.1016/j.ijfoodmicro.2019.02.005. Epub 2019 Feb 7.

PMID: 30769328

Identification of a novel protein in the genome sequences of *Leptospira interrogans* with the ability to interact with host's components.

Rossini AD, Teixeira AF, Souza Filho A, Souza GO, Vasconcellos SA, Heinemann MB, Romero EC, Nascimento ALTO.

J Microbiol Immunol Infect. 2019 Jan 22. pii: S1684-1182(18)30200-7. doi:

10.1016/j.jmii.2018.12.012. [Epub ahead of print]

PMID: 30713004

Heparin-Binding Protein Release Is Strongly Induced by *Leptospira* Species and Is a Candidate for an Early Diagnostic Marker of Human Leptospirosis.

Vieira ML, Persson S, Lopes-Ferreira M, Romero EC, Kirchgatter K, Nascimento ALTO, Herwald H.

J Infect Dis. 2019 Feb 23;219(6):996-1006. doi: 10.1093/infdis/jiy589.

PMID: 30299510

The role of therapy with aminoglycoside in the outcomes of kidney transplant recipients infected with polymyxin- and carbapenem-resistant Enterobacteriaceae.

Freire MP, de Oliveira Garcia D, Cury AP, Francisco GR, Dos Santos NF, Spadão F, Bueno MFC, Camargo CH, de Paula FJ, Rossi F, Nahas WC, David-Neto E, Pierrotti LC.

Eur J Clin Microbiol Infect Dis. 2019 Apr;38(4):755-765. doi: 10.1007/s10096-019-03468-4.

Epub 2019 Jan 24.

PMID: 30680569

Emergence and Persistence of High-Risk Clones Among MDR and XDR *A. baumannii* at a Brazilian Teaching Hospital.

Tavares LCB, de Vasconcellos FM, de Sousa WV, Rocchetti TT, Mondelli AL, Ferreira AM, Montelli AC, Sadatsune T, Tiba-Casas MR, Camargo CH.

Front Microbiol. 2019 Jan 4;9:2898. doi: 10.3389/fmicb.2018.02898. eCollection 2018.

PMID: 30662431

Genetic Meningococcal Antigen Typing System (gMATS): A genotyping tool that predicts 4CMenB strain coverage worldwide.

Muzzi A, Brozzi A, Serino L, Bodini M, Abad R, Caugant D, Comanducci M, Lemos AP, Gorla

MC, Křížová P, Mikula C, Mulhall R, Nissen M, Nohynek H, Simões MJ, Skoczynska A,

Stefanelli P, Taha MK, Toropainen M, Tzanakaki G, Vadivelu-Pechai K, Watson P, Vazquez JA,

Rajam G, Rappuoli R, Borrow R, Medini D.

Vaccine. 2019 Feb 8;37(7):991-1000. doi: 10.1016/j.vaccine.2018.12.061. Epub 2019 Jan 17.

PMID: 30661831

The interaction of two novel putative proteins of *Leptospira interrogans* with E-cadherin, plasminogen and complement components with potential role in bacterial infection.

Kochi LT, Fernandes LGV, Souza GO, Vasconcellos SA, Heinemann MB, Romero EC,

Kirchgatter K, Nascimento ALTO.

Virulence. 2019 Dec;10(1):734-753. doi: 10.1080/21505594.2019.1650613.

PMID: 31422744

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Distribution of the pilS gene in *Escherichia coli* pathovars, its transfer ability and influence in the typical enteropathogenic *E. coli* adherence phenotype.

Garcia BG, Castro FS, Vieira MAM, Girão DM, Uenishi LT, Cergole-Novella MC, Dos Santos LF, Piazza RMF, Hernandez RT, Gomes TAT.

Int J Med Microbiol. 2019 Jan;309(1):66-72. doi: 10.1016/j.ijmm.2018.12.001. Epub 2018 Dec 11.

PMID: 30559068