

## Laboratório de Imunologia Viral

### 2006

#### **Indexado (fator de impacto > 0,65 a 2,0)**

Azeredo EL, Zagne SM, Avarenga AR, Nogueira RMR, Kubelka CF, Oliveira Pinto LM 2006. Activated peripheral lymphocytes with increased expression of cell adhesion molecules and cytotoxic markers are associated with dengue fever disease.. Mem I Oswaldo Cruz (impresso) 101: 437-449.

#### **Indexado (fator de impacto >2,0 a 4,0)**

Azeredo EL, Oliveira Pinto LM, Zagne SM, Cerqueira DI, Nogueira RMR, Kubelka CF 2006. NK cells, displaying early activation, cytotoxicity and adhesion molecules, are associated with mild dengue disease. Clin Exp Immunol 143: 345-356.

### 2007

#### **Indexado (fator de impacto <0,65 e não impactadas no ISI)**

Bonaldo, M , Mello SM, Trindade GF, Rangel AA, Oliveira PJ, Freire M, Kubelka CF, Galler, R 2007. Construction and characterization of recombinant flaviviruses bearing insertions between E and NS1 genes. Virol J 4: - .


#### **Indexado (fator de impacto > 0,65 a 2,0)**

Reis SR, Sampaio A, Henriques M, Gandini M, Azeredo EL, Kubelka CF, Reis, SRNI 2007. An in vitro model for Dengue Virus infection that exhibits dexamethasone immunomodulation. Mem I Oswaldo Cruz (impresso) 102: 983-990.

Freire M, Marchevsky, RS, Almeida, L.F.C. , Yamamura, A.M.Y., P.A.brindeiro, Motta, M.C.A., Kubelka CF, Nogueira RM, Bonaldo, M , Galler, R 2007. Wild dengue virus types 1, 2 and 3 viremia in rhesus monkeys. Mem I Oswaldo Cruz (impresso) 102: 203-208.


### 2008

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 Bozza FA, Kubelka CF, Zagne SM, Azeredo EL 2008. Multiplex cytokine profile from dengue patients: MIP-1beta and IFN-gamma as predictive factors for severity. BMC Infect Dis 8: - .

### 2009

#### **Indexado (fator de impacto > 0,65 e < 2)**

 Torrentes-Carvalho A, Azeredo EL, Reis SR, Miranda AS, Gandini M, Barbosa LS, Kubelka CF 2009. Dengue-2 infection and the induction of apoptosis in human primary monocytes. Mem I Oswaldo Cruz (impresso) 104: 1091-1099.

#### **Indexado (fator de impacto > 2 e < 4)**

[doi>](#) dos Santos DC, Martinho JM, Pacheco-Moreira LF, de Araújo CC, Caroli-Bottino A, Pannain VL, Trinta KS, Gandini M, da Costa Neves PC, de Souza Matos DC, Gonçalves-Caputo LF, Pelajo-Machado M, Alves Pinto M 2009. Eosinophils involved in fulminant hepatic failure are associated with high interleukin-6 expression and absence of interleukin-5 in liver and peripheral blood. *Liver Int* 29: 544-551.

## 2010

### Indexado (fator de impacto > 2 e < 4)

[doi>](#) Azeredo EL, Neves-Souza PC, Avarenga AR, Reis SR, Torrentes-Carvalho A, Zagne SM, Nogueira RM, Oliveira Pinto LM, Kubelka CF 2010. Differential regulation of toll-like receptor-2, toll-like receptor-4, CD16 and human leucocyte antigen-DR on peripheral blood monocytes during mild and severe dengue fever. *Immunology* 130: 202-216.

[doi>](#) Kubelka CF, Azeredo EL, Gandini M, Oliveira Pinto LM, Barbosa LS, Damasco PV, Ávila CA, Motta-Castro AR, Cunha RV, Cruz OG 2010. Metalloproteinases are produced during dengue fever and MMP9 is associated with severity. *J Infection* 61: 501-505.

[doi>](#) de Azeredo EL, Kubelka CF, Albuquerque LM, Barbosa LS, Damasco PV, Avila CA, Motta-Castro AR, da Cunha RV, Monteiro RQ 2010. Tissue factor expression on monocytes from patients with severe dengue fever. *Blood Cell Mol Dis* 45: 334-335.

## 2011

### Indexado (fator de impacto > 2 e < 4)

[doi>](#) Gandini M, Reis SR, Torrentes-Carvalho A, Azeredo EL, Freire MS, Galler R, Kubelka CF 2011. Dengue-2 and yellow fever 17DD viruses infect human dendritic cells, resulting in an induction of activation markers, cytokines and chemokines and secretion of different TNF- $\alpha$  and IFN- $\alpha$  profiles. *Mem I Oswaldo Cruz* (impresso) 106: 594-605.

## 2012

### Indexado (fator de impacto $\geq 1$ e < 2,71)

[doi>](#) de-Oliveira-Pinto LM, Gandini M, Freitas LP, Siqueira MM, Marinho CF, Setúbal S, Kubelka CF, Cruz OG, Oliveira SA 2012. Profile of circulating levels of IL-1Ra, CXCL10/IP-10, CCL4/MIP-1 $\beta$  and CCL2/MCP-1 in dengue fever and parvovirus. *Mem I Oswaldo Cruz* (impresso) 107: 48-56.

### Indexado (fator de impacto $\geq 2,71$ e < 4,35)

[doi>](#) de-Oliveira-Pinto LM, Marinho CF, Pova TF, de Azeredo EL, de Souza LA, Barbosa LD, Motta-Castro AR, Alves AM, Ávila CA, de Souza LJ, da Cunha RV, Damasco PV, Paes MV, Kubelka CF 2012. Regulation of inflammatory chemokine receptors on blood T cells associated to the circulating versus liver chemokines in dengue fever. *Plos One* 7: - .

## 2013

### Indexado (fator de impacto < 1 ou sem FI)

[doi>](#) Pontes-de-Carvalho L., Mengele Junior JO, Figueiredo C.A., Alcantara-Neves N.M. 2013. Antigen Mimicry between Infectious Agents and Self or Environmental Antigens May Lead to

Long-Term Regulation of Inflammation. Front Immunol 4: - .

[doi>](#) GIBSON, G, Kubelka CF 2013. From primary care to hospitalization: clinical warning signs of severe dengue fever in children and adolescents during an outbreak in Rio de Janeiro, Brazil. Cad Saude Publica 29: 82-90.

**Indexado (fator de impacto  $\geq 1$  e  $< 2,71$ )**

[doi>](#) Gras, Christophe, Nikaïa Smith, Lucie Sengmanivong, Gandini M, Kubelka CF, Jean-Philippe Herbeuval 2013. TRAIL protein localization in human primary T cells by 3D microscopy using 3D interactive surface plot: A new method to visualize plasma membrane. J Immunol Methods 387: 147-156.

**Indexado (fator de impacto  $\geq 2,71$  e  $< 4,35$ )**

[doi>](#) Sylvestre, Gabriel, Gandini M, Maciel-de-Freitas R 2013. Age-Dependent Effects of Oral Infection with Dengue Virus on *Aedes aegypti* (Diptera: Culicidae) Feeding Behavior, Survival, Oviposition Success and Fecundity. Plos One 8: - .

[doi>](#) Xavier-de-Carvalho, C, Gibson, G., Brasil, P., Ferreira, R. X., de Souza Santos, R., Goncalves Cruz, O., de Oliveira, S. A., de Sa Carvalho, M., Pacheco, A. G., Kubelka, CF, Moraes MO 2013. Single nucleotide polymorphisms in candidate genes and dengue severity in children: A case-control, functional and meta-analysis study. Infect Genet Evol 20: 197-205.

[doi>](#) Maciel-de-Freitas R, Sylvestre, Gabriel, Gandini M, Koella, J. C. 2013. The influence of dengue virus serotype-2 infection on *Aedes aegypti* (Diptera: Culicidae) motivation and avidity to blood feed. Plos One 8: - .

**Indexado (fator de impacto  $\geq 4,35$  e  $< 7,51$ )**

[doi>](#) Gandini M, Christophe Gras, Azeredo EL, Oliveira Pinto LM, Nikaïa Smith, Philippe Despres, Rivaldo Venâncio da Cunha, Luiz José de Souza, Kubelka CF, Jean-Philippe Herbeuval 2013. Dengue Virus Activates Membrane TRAIL Relocalization and IFN- $\alpha$  Production by Human Plasmacytoid Dendritic Cells In Vitro and In Vivo.. Plos Neglect Trop D 7: - .

**2014**

**Indexado (fator de impacto  $< 1$  ou sem FI)**

[doi>](#) Jorge Nihei, Fabiola Cardillo, Washington L.C. dos Santos, Lain Pontes de Carvalho, Mengele Junior JO 2014. Administration of a nondepleting anti-CD25 monoclonal antibody reduces disease severity in mice infected with *Trypanosoma cruzi*.. Eur J Microbiol Immunol 4(2): 128-137.

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### **Indexado (fator de impacto $\geq 2,71$ e $< 4,35$ )**

[doi>](#) Marinho CF, Azeredo EL, Carvalho AT, Marins-Dos Santos A, Cunha RV, de Souza LJ, Kubelka CF, Oliveira Pinto LM 2014. Down-regulation of complement receptors on the surface of host monocyte even as in vitro complement pathway blocking interferes in dengue infection. Plos One 9: - .

[doi>](#) Sylvestre G, Gandini M, Araújo JMG, Kubelka CF, Lourenço de Oliveira R, Maciel-de-Freitas R 2014. Preliminary evaluation on the efficiency of the kit Platelia Dengue NS1 Ag-ELISA to detect dengue virus in dried *Aedes aegypti*: a potential tool to improve dengue surveillance. Parasite Vector 7: - .

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### **2015**

#### **Indexado (fator de impacto $\geq 1$ e $< 2,71$ )**

[doi>](#) Ferreira RAX, de Oliveira SA, Gandini M, Ferreira LD, Corrêa G, Abiraude FM, Reid MM, Cruz OG, Kubelka CF 2015. Circulating cytokines and chemokines associated with plasma leakage and hepatic dysfunction in Brazilian children with dengue fever. Acta Trop 149: 138-147.

[doi>](#) de Souza Costa, MF, Bastos Trigos de Negreiros, C, Ugart Bornstein, V, Hemmi Valente, R, Mengele Junior JO, Henriques MD, Farias Benjamim, C, Penido, C 2015. Murine IL-17+ V $\gamma$ 4 T lymphocytes accumulate in the lungs and play a protective role during severe sepsis. BMC Immunol 16: - .

#### **Indexado (fator de impacto $\geq 2,71$ e $< 4,35$ )**

[doi>](#) Azeredo EL, Robson Q. Monteiro, Oliveira Pinto LM 2015. Thrombocytopenia in Dengue: Interrelationship between Virus and the Imbalance between Coagulation and Fibrinolysis and Inflammatory Mediators.. Mediat Inflamm 2015: - .

### **2016**

#### **Indexado (fator de impacto $< 1$ ou sem FI)**

[doi>](#) Faria NR, Solorzano VEF, Oliveira Pinto LM, Azeredo EL, Chouin-Carneiro, Nogueira RM, Nunes PCG, Simões JB, Nogueira FB, Lima Mda R, da Cunha RV, Kubelka CF, Santos FB 2016. Dengue epidemics in two distinct periods reveal distinct epidemiological, laboratorial and clinical aspects in a same scenario: analysis of the 2010 and 2013 epidemics in Mato Grosso do Sul, Brazil. Trans R Soc Trop Med Hyg 110: 228-236.

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[doi>](#) Nogueira FB, Mir D, Santos FB, Bello G 2016. Evolutionary history and spatiotemporal

dynamics of DENV-1 genotype V in the Americas. *Infect Genet Evol* 45: 454-460.

#### **Indexado (fator de impacto $\geq 2,71$ e $< 4,35$ )**

[doi>](#) Torrentes-Carvalho A, Hottz ED, Marinho CF, da Silva JB, Oliveira Pinto LM, Fialho LG, Bozza FA, Cunha RV, Damasco PV, Kubelka CF, Azeredo EL 2016. Characterization of clinical and immunological features in patients coinfecting with dengue virus and HIV. *Clin Immunol* 164: 95-105.

[doi>](#) Correa G, de A Lindenberg C, Santos CF, Gandini M, Petitinga-de-Paiva F, Coutinho-Silva R, Kubelka CF 2016. The purinergic receptor P2X7 role in control of Dengue virus-2 infection and cytokine/chemokine production in infected human monocytes. *Immunobiology* 221: 794-802.

#### **2017**

#### **Indexado (fator de impacto $< 1$ ou sem FI)**

[doi>](#) Alves-de-Souza TM, Azeredo EL, Silva JBC, Paulo Vieira Damasco, Carla Santos, Petitinga-de-Paiva F, Nunes PCG, Barbosa LS, Cipitelli MC, Carneiro TC, Nieli Rodrigues Costa Faria, Nogueira RMR, Nogueira FB, Santos FB 2017. First Report of the East-Central South African Genotype of Chikungunya Virus in Rio de Janeiro, Brazil. *Plos Curr* 1: - .

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[doi>](#) Faria NRC, Solorzano VEF, Souza LJ, Nogueira RMR, Nogueira FB, Carneiro TC, Jaqueline Bastos Santos Simões, Queiroz MR, Kubelka CF, Manoela Heringer, Oliveira Pinto LM, Azeredo EL, Santos FB 2017. Analysis of Clinical and Laboratory Alterations Related to Dengue Case Severity: Comparison between Serotypes 2 and 4 in Brazil. *Am J Trop Med Hyg* 97 (1): 137-145.

[doi>](#) Caroline Xavier-Carvalho, Renata Duarte da Silva Cezar, Naishe Matos Freire, Carla Maria Mola de Vasconcelos, Victor Edgar Fiestas Solorzano, Thiago Gomes de Toledo-Pinto, Luciana Gomes Fialho, Rodrigo Feliciano do Carmo, Luydson Richardson Silva Vasconcelos, Cordeiro MT, Paulo Baptista, Azeredo EL, Rivaldo Venâncio da Cunha, Luis José de Souza, Antonio Guilherme Pacheco, Kubelka CF, Patrícia Muniz Mendes Freire de Moura, Moraes MO 2017. Association of rs1285933 single nucleotide polymorphism in CLEC5A gene with dengue severity and its functional effects. *Hum Immunol* 78: 649-656.

[doi>](#) MELLO, CÍNTIA DA SILVA, VALENTE, LIGIA MARIA MARINO, WOLFF, THIAGO, LIMA-JUNIOR, RAIMUNDO SOUSA, FIALHO, LUCIANA GOMES, MARINHO, CINTIA FERREIRA, Azeredo EL, Oliveira Pinto LM, PEREIRA, RITA DE CÁSSIA ALVES, SIANI, ANTONIO CARLOS, Kubelka CF 2017. Decrease in Dengue virus-2 infection and reduction of cytokine/chemokine production by *Uncaria guianensis* in human hepatocyte cell line Huh-7. *Mem I Oswaldo Cruz (impresso)* 112: 458-468.

[doi>](#) Taissa Pereirados Santos, Oswaldo GonsalvezCruz, Silva AB, Castro MG, Ferreira AA, Maspero RC, Pinto RA, Santos FB, Honório NA, Lourenço de Oliveira R 2017. Dengue serotype circulation in natural populations of *Aedes aegypti*. *Acta Trop* 176: 140-143.

[doi>](#) da Silva MH, Alves-de-Souza TM, Lima MRQ, Nunes PCG, Faria NC, Nogueira FB, Carneiro TC, Nogueira RMR, Santos FB 2017. Dengue type 4 in Rio de Janeiro, Brazil: case

characterization following its introduction in an endemic region. BMC Infect Dis 17(1): - .

[doi>](#) John Oludele, Birgitta Lesko, Isabel Mahumane Gundane , Nogueira FB, Argentina Muiana , Sadia Ali, Flora Mula , Imelda Chelene, Kerstin I. Falk, Santos FB, Eduardo Samo Gudo 2017. Dengue Virus Serotype 2 Established in Northern Mozambique (2015-2016). Am J Trop Med Hyg 97(5): 1418-1422.

[doi>](#) DE SOUZA, LUIZ JOSÉ, DE AZEVEDO, JOÃO , KOHLER, LIZA INGRIDE ACHA , BARROS, LORENA DE FREITAS, LIMA, MARIANA ARÊDES , SILVA, EMILIANA MANDARANO , MOHANA-BORGES, RONALDO , Nunes PCG, Paes MV 2017. Evidence of dengue virus replication in a non-traumatic spleen rupture case. Arch Virol 162(11): 3535-3539.

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[doi>](#) BUONORA, SIBELLE NOGUEIRA, Santos FB, DAUMAS, REGINA PAIVA, SONIA REGINA LAMBERT, DA SILVA, MANOELA HERINGER, Queiroz MR, Nogueira RMR 2017. Increased sensitivity of NS1 ELISA by heat dissociation in acute dengue 4 cases. BMC Infect Dis 17: - .

#### **Indexado (fator de impacto $\geq 2,71$ e $< 4,35$ )**

[doi>](#) Ramos-Castaneda, J, Santos FB, Matinez-Vega, R, Araujo, JMG, Joint, G, Sarti, E 2017. Dengue in Latin America: Systematic Review of Molecular Epidemiological Trends. Plos Neglect Trop D 11(1): - .

[doi>](#) Gandini M, Petitinga-de-Paiva F, Marinho C F, Correa, G, Oliveira Pinto LM, de Souza, L J, Cunha, R V, Kubelka CF, Azeredo EL 2017. Dengue Virus Induces NK Cell Activation through TRAIL Expression during Infection. Mediat Inflamm 2017: - .

#### **Indexado (fator de impacto $\geq 4,35$ e $< 7,51$ )**

[doi>](#) Rabelo K, de Souza Campos Fernandes RC, de Souza LJ, Louvain ST, Santos FB, Nunes PCG, Azeredo EL, Salomão NG, Trindade GF, Basílio-de-Oliveira CA, de Carvalho JJ, Medina-Acosta E, Paes MV 2017. Placental Histopathology and Clinical Presentation of Severe Congenital Zika Syndrome in a Human Immunodeficiency Virus-Exposed Uninfected Infant. Front Immunol 8: - .

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[doi>](#) Alba Grifoni, John Pham, John Sidney, Sinu Paul, Bjoern Peters, Sheridan R. Martini, Aruna D. de Silva, Michael J. Ricciardi, Diogo M. Magnani, Cassia G. T. Silveira, Alvino Maestri, Priscilla R. Costa, Oliveira Pinto LM, Azeredo EL, Paulo Vieira Damasco, Elizabeth Phillips, Simon Mallal, Aravinda M. de Silva, Matthew Collins, Anna Durbin, Sean A. Diehl, Cristhiam Cerpas, Angel Balmaseda, Guillermina Kuan, Josefina Coloma, Eva Harris, James E. Crowe Jr., Mars Stone, Phillip J. Norris, Michael Busch, Hector Vivanco-Cid, Josephine Cox, Barney S. Graham,

Julie E. Ledgerwood, Lance Turtle, Tom Solomon, Esper G. Kallas, David I. Watkins, Daniela Weiskopf, Alessandro Sette 2017. Prior Dengue virus exposure shapes T cell immunity to Zika virus in humans. *J Virol* 91: 2-19.

**2018**

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[doi>](#) Azeredo EL, Santos FB, Barbosa LS, Alves-de-Souza TM, Silva JBC, Sanchez-Arcila JC, Nunes PCG, Oliveira Pinto LM, Filippis AMB, Dal Fabbro M, Romanholi IH, Venâncio da Cunha R 2018. Clinical and Laboratory Profile of Zika and Dengue Infected Patients: Lessons Learned From the Co-circulation of Dengue, Zika and Chikungunya in Brazil. *Plos Curr* 10: - .

**Indexado (fator de impacto >= 7,51)**

[doi>](#) Fernandes JN, Santos LMB, Carneiro TC, Pavan MG, Garcia GA, David MR, Beirer JC, Dowel FE, Maciel-de-Freitas R, Sikulu-Lord M T 2018. Rapid, noninvasive detection of Zika virus in *Aedes aegypti* mosquitoes by near infrared spectroscopy. *Sci Adv* 4: - .

**Indexado (fator de impacto >=1 e < 2,71)**

[doi>](#) Nunes PCG, Filippis AMB, Queiroz MR, Costa NR, Nogueira FB, Santos JB, Heringer M, Carneiro TC, Couto-Lima D, Santis B, Sampaio SA, Araujo ESM, Arcila JC, Santos FB, Nogueira RMR 2018. 30 years of dengue fatal cases in Brazil: a laboratorial-based investigation of 1047 cases. *BMC Infect Dis* 18: - .

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[doi>](#) Pereira VA, Arcila JC, Vasconcelos, MA, Ferreira AR, Videira LS, Teva, A, Silva DSP, Marques MTQ, Cavalho L, Banic DM, Luiz Cristóvão Sobrino Pôrto, Oliveira-Ferreira J 2018. Evaluating seroprevalence to circumsporozoite protein to estimate exposure to three species of *Plasmodium* in the Brazilian Amazon. *Infect Dis Poverty* 7: - .

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[doi>](#) Salomão NG, Rabelo K, Povia T, Alves AMB, Costa SM, Gonçalves AJS, Amorim J, Azevedo AS, Nunes PCG, Basilio-de-Oliveira CA, Basilio-de-Oliveira R, Geraldo LHM, Fonseca CG, Lima FRS, Mohana-Borges R, Silva EM, Santos FB 2018. BALB/c mice infected with DENV-2 strain

66985 by the intravenous route display injury in the central nervous system. *Sci Rep* 8: - .

[doi>](#) Ramalho ILC, Araújo FMC, Cavalcanti LPG, Braga DNM, Perdigão ACB, Santos FB, Nogueira FB, Escóssia KNFD, Guedes MIF 2018. Dengue 4 in Ceará, Brazil: characterisation of epidemiological and laboratorial aspects and causes of death during the first epidemic in the state. *Mem I Oswaldo Cruz* (on line) 113: - .

[doi>](#) Nogueira FB, Alves-de-Souza TM, Carneiro TC, Costa NR, Santos JB, Torres MC, Ramalho ILC, Aguiar SF, Nogueira RMR, Filippis AMB, Santos FB 2018. DENV-1 Genotype V in Brazil: Spatiotemporal dispersion pattern reveals continuous co-circulation of distinct lineages until 2016. *Sci Rep* 8(1): - .

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