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Boards certified in Pediatrics, and in Critical Care Medicine (Switzerland).

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Professor in Pediatrics,

Paris South University (UPS11), School of Medicine.

• Position

Director, Pediatric and Neonatal Medicine, Bicêtre Hospital, Paris South University Hospitals

Professor in Pediatrics, Paris South University Hospitals, and University Paris South UPS - 11.

Group leader, Modulation of the innate immune response (MIIR) lab, Institute of Genetics and Microbiology UMR 8621, School of Sciences, University Paris South 11.

• Degrees

2013 Hospital Management diploma, Ecoles des Mines Paris Tech, Paris

2010 Research direction ability (HDR) in immunology, Paris V

2009 Doctorat ès-Sciences (molecular biology) School of Sciences, Geneva University

2005 Master in Science (medical biology), School of Sciences, Geneva University.

1998 Medical Thesis, School of Medicine, University of Lausanne, Switzerland

• Teaching

2005 – 2009 Medical microbiology School of Medicine, University of Geneva.

2009 – present DESC Réanimation Médicale : Module pédiatrie ; Pediatrics.

• Ad'hoc reviewer and editorial board

Pediatric Intensive Care Medicine Editorial board since 2014

Reviewer for Intensive Care Medicine, Critical Care, Burn, Resuscitation, Pediatric Research, Pediatric Infectious Disease Journal, European Journal of Echocardiography, Heart and Vessels.

• Societies and board

European Society of Pediatric and Neonatal Intensive Care (ESICM) since June 2006: SC member since 2008, Chairman of the Sepsis, Inflammation, Infection section since 2011.

Swiss Medical Federation (FMH) : no. 052451-72 (since November 1998)

Swiss Pediatric Society (SSP), since december 2004

Swiss Society of Intensive Care Medicine (SSMI), since mai 2005

Journées Francophones de Recherche en Néonatalogie (JFRN) : SC member since 2008.

French Pediatric Society (SFP) : International committee since October 2008.

International Endotoxin Innate Immunity Society (IEIIS), since 2008

Société de Réanimation de Langue Française (SRLF), since 2008

• Grants and honors

PI or co-investigator of 14 grants (2002-2013):Novartis Consumer Health Grant, Roche Research Foundation, Boninchi Foundation, von Meissner Foundation, Internal University Hospitals of Geneva calls, French National Research Agency, Merieux Research Grant, various others)

Laureate of eight prizes (Novartis Foundation, ESPNIC, SRLF, SSMI, IEIIS, IPTS) including the **2008 European Research Critical Care Network-ESICM research grant**.

• Publications

Original publications :

- 1- **Tissières P**, Simon L, Debray D, Branchereau S, Soubrane O, Gauthier F, Devictor D. Acute pancreatitis following orthotopic liver transplantation in children: Incidence, contributing factors and outcome. *J Pediatr Gastroenterol Nutr* 1998; 26: 315-320. (IF: 2.132)
- 2- **Tissières P**, Pariente D, Chardot C, Gauthier F, Devictor D, Debray D. Postshunt encephalopathy in liver transplanted children with portal vein thrombosis. *Transplantation* 2000; 70 (10): 1536-39. **Including journal cover illustration.** (IF: 3.816)
- 3- Senuma Y, Franceschin S, Hilborn JG, **Tissières P**, Bisson I, Frey P. Bioresorbable microspheres by spinning disk atomization as injectable cell carrier : from preparation to in vitro evaluation. *Biomaterials* 2000; 20: 1135-44. (IF: 6.646)

- 4- Haefliger JA, **Tissières P**, Tawadros T, Formenton A, Bény JL, Nicod P, Frey P, Meda P. Connexins 43 and 26 are differentially increased after rat bladder outlet obstruction. *Exp Cell Res* 2002; 274 (2):216-25. (IF: 3.948)
- 5- **Tissières P**, Prontera W, Chevret L, Devictor D. The PRISM score in infants and children with fulminant liver failure. *Pediatr Transplant* 2003; 7: 64-8.(IF: 1.862)
- 6- **Tissières P**, Chevret L, Debray D, Devictor D. Fulminant Wilson's disease in children: Appraisal of a critical diagnosis. *Pediatr Crit Care Med* 2003; 4 (3): 338-43.(IF: 2.330)
- 7- **Tissières P**, Gervais A, Beghetti M, Jaeggi ET. Value and limitations of von Reyn, Duke and modified Duke criteria for the diagnosis of infective endocarditis in children. *Pediatrics* 2003; 112: e467-71. (IF: 4.789)
- 8- **Tissières P**, Jaeggi ET, Beghetti M, Gervais A. Fungal endocarditis in children. *Infection* 2005; 33(4): 267-72. (IF: 1.831)
- 9- **Tissières P**, Aggoun Y, Da Cruz E, Sierra J, Mensi N, Kalangos A, Beghetti M. Comparison of Classifications for Heart Failure in Children Undergoing Valvular Surgery. *J Pediatr* 2006; 149(2):210-215.e1. (IF: 4.122)
- 10- Tiras S, Chevret L, Haas V, Decobert M, Buisine A, Devictor D, Durand P, **Tissières P**. Non-ketotic hyperglycemic coma in toddlers after accidental methadone ingestion. *Ann Emerg Med* 2006;48: 448-51. (IF: 3.755)
- 11- Pugin J, Dunn-Siegrist I, Dufour J, **Tissières P**, Charles PE, Comte R. Cyclic stretch of human alveolar type II-like cells stimulates Na⁺/K⁺ ATPase, induces an acidification of the milieu and promotes bacterial growth. *Am J Resp Cell Mol Biol* 2008;38(3):362-70. (IF: 4.477)
- 12- **Tissières P**, Dunn-Siegrist I, Schappi M, Nobre V, Elson G, Comte R, Pugin J. Soluble MD-2 is an acute phase protein and an opsonin for Gram negative bacteria. *Blood* 2008;111(4):2122-31. (IF: 10.432)
- 13- **Tissières P**, Da Cruz E, Aggoun Y, Rimensberger PC, Habre W, Mensi N, Kalangos A, Beghetti M. Value of Brain Natriuretic Peptide in the Peri-operative Follow-up of Children with Valvular Disease. *Intensive Care Med* 2008; 34(6):1109-13. (IF: 5.055)
- 14- Devictor DJ, **Tissières P**, Gillis J, Truog RD for the WFPICCS task-force on Ethics. Intercontinental differences in end-of-life attitudes in the pediatric intensive care unit. Results of a worldwide survey. *Pediatr Crit Care Med* 2008; 9(6): 560-6. (IF: 2.330)
- 15- **Tissières P**, Araud T, Ochoda A, Drifte G, Dunn-Siegrist I, Pugin J. The expression of the acute phase MD-2 gene depends on the cooperation between PU.1 and C/EBP β . *J Biol Chem* 2009;284(39):26261-72. (IF: 5.520)
- 16- **Tissières P**, Myers P, Beghetti M, Berner M, Rimensberger PC. Surfactant use based on the oxygenation response to lung recruitment during HFOV in VLBW infants. *Intensive Care Med* 2010; 36 :1164-70. (IF: 5.055)
- 17- Essouri S, Durand P, Chevret L, Balu L, Devictor D, Fauroux B, **Tissières P**. Optimal nasal continuous positive airway pressure level in severe viral bronchiolitis. *Intensive Care Med*, 2011, 37(12):2002-7. (IF: 5.055)
- 18- Charles PE, **Tissières P**, Croisier D, Barbar S, Dufour J, Dunn-Siegrist I, Pugin J. Mild stretch mechanical ventilation modulates Toll like receptor 2 and sensitivizes the lung to bacterial lipopeptide. *Crit Care* 2011, 15: R181 (IF: 4.6)
- 19- **Tissières P**, Ochoda A, Dunn-Siegrist I, Drifte G, Morales M, Pfister R, Berner M, Pugin J. Innate immune deficiency of extremely premature neonates can be reversed by interferon- γ . *Plos ONE* 2012;7(3): e32863 (IF: 4.351)
- 20- Dunn-Siegrist I, **Tissières P**, Drifte G, Bauer J, Moutel S, Pugin J. Toll-like receptor activation of human cells by synthetic triacylated lipid A-like molecules. *J Biol Chem* 2012, 287(20):16121-31 (IF: 5.520)
- 21- Simonetta F, Gestermann N, Martinet K, Boniotto M, **Tissières P**, Seddon B, Bourgeois C. Interleukin-7 governs CD4⁺ CD25⁺ FOXP3⁺ regulatory T cell numbers and CD25 expression. *Plos ONE* 2012, 7(5): e36596 (IF 4.351)
- 22- Drifte G, Dunn-Siegrist I, **Tissières P**, Pugin J. Innate immune functions of immature neutrophils in sepsis and SIRS. *Crit Care Med* 2013 Mar;41(3):820-32 (IF: 6.330)
- 23- Ladoire S, Pauchard LA, Barbar SD, **Tissières P**, Croisier-Bertin D, Charles PE. Prone position impacts on pneumoniae in rabbits submitted to deleterious mechanical ventilation. *Anesthesiology* 2013 May;118(5):1150-9 (IF : 5.359)
- 24- Borckink I, Essouri S, Laurent M, Albers MJ, Burgerhof JG, **Tissières P**, Kneyber MC. Infants with severe respiratory syncytial virus needed less ventilator time with nasal continuous airways pressure then invasive mechanical ventilation. *Acta Paediatr.* 2014 Jan;103(1):81-5.
- 25- De Luca D, Piastra M, Chidini G, **Tissières P**, Calderini E, Essouri S, Medina de Villanueva A, Vivanco Allende A, Pons M, Perez L, Hermon M, Conti G, Antonelli M, Kneyber M. The new "Berlin definition" of acute respiratory distress syndrome: clinical evaluation in infants and expert consensus . *Intensive Care Med* 2013 Dec;39(12):2083-91.
- 26- Essouri S, Chevret L, Dugelay E, Gajdos V, Durand P, **Tissières P**. Improved clinical and economic outcomes in severe bronchiolitis with pre-emptive nCPAP ventilatory strategy. *Intensive Care Med* 2014 Jan;40(1):84-91.

Case reports

- 27- **Tissières P**, Durand P, Chardot C, Dousset B, Debray D, Gauthier F, Devictor D. Acute pancreatitis after orthotopic liver transplantation in children. *Liver Transpl* 1997; 3: 430-2. (IF: 4.085)
- 28- **Tissières P**, Kernen Y, Gervais A, Humbert J, Suter S. Varicella zoster virus induced-hemolysis in a child with congenital spherocytosis. *Eur J Ped* 2000; 159: 788. (IF: 1.416)
- 29- **Tissières P**, Bugmann P, Rimensberger P, Mentha G, Le Coultre C, Belli DC. Somatostatin in the treatment of pancreatic pseudocyst complicating acute pancreatitis in a child with liver transplantation. *J Pediatr Gastroenterol Nutr* 2000; 31: 445-8. (IF: 2.132)
- 30- **Tissières P**, Didier D, Dahoun S, Jaeggi ET. Insight: Turner syndrome with complex mosaic monosomy and structural aorta anomalies. *J Pediatr* 2003; 142: 341. (IF: 4.122)
- 31- Biesel-Desthieux MN, **Tissières P**, Belli D, Le Coultre C, Gervais A, Spicher-Masserey V. Fulminant liver failure in a child with severe invasive streptococcal infection. *Eur J Ped* 2003; 162: 245-7. (IF: 1.416)
- 32- **Tissières P**, Nicod L, Barazzone-Argiroffo C, Rimensberger PC, Beghetti M. Aerosolized iloprost as a bridge to lung transplantation in a patient with cystic fibrosis and pulmonary hypertension. *Ann Thorac Surg* 2004; 78(3): E48-50. (IF: 2.689)
- 33- **Tissières P**, Beghetti M, Aggoun Y. Images in congenital heart disease: Gaseous microemboluses after replacement of the mitral valve with a mechanical prosthesis in a child. *Cardiol Young* 2004; 14:569. (IF: 0.956)
- 34- Martinez M, Rochat I, Corbeli R, **Tissières P**, Rimensberger PC, Barazzone C. Early blood exchange transfusion in malignant pertussis. A case report. *Pediatr Crit Care Med.* 2010; 12(2):e107-9 (IF: 2.330)
- 35- Le Saché N, Afanetti M, Deiva K, Essouri S, Chevret L, **Tissières P**. Fulminant toxic shock syndrome following Rituximab therapy in an 11 year old boy. *J Neurol.* 2013 Nov;260(11):2892-3.

Reviews and editorials

- 36- **Tissières P**, Devictor D. Drug treatment of encephalopathy associated with fulminant liver failure. *CNS Drugs* 1999; 11: 335-49. (IF: 3.780)
- 37- **Tissières P**, Sasbon J, Devictor D. Liver Support for Fulminant Hepatic Failure. Is it time to use the Molecular Absorbents Recycling System in children? *Pediatr Crit Care Med* 2005; 6(5): 585-91. (IF: 2.330)
- 38- Devictor D, Latour J, **Tissières P**. Forgoing life sustaining or death prolonging therapy in the PICU. *Pediatr Clin North Am* 2008, 55(3): 791-804. (IF: 1.270)
- 39- **Tissières P**, Beghetti M. Biomarqueurs cardiaques en pédiatrie. *Paediatrca* 2008 ;19 : 16-18.
- 40- Tissières P, Pugin J. The role of MD-2 in the opsonophagocytosis of gram negative bacteria. *Curr Opin Infect Dis* 2009;22(3):286-91(IF: 4.350)
- 41- Afanetti M, **Tissières P**. Immunité innée du nouveau-né: Spécificités physiologiques et conséquences cliniques. *Reanimation* 2011. 20:S466-S470.
- 42- Devictor D, Tissières P, Afanetti M, Debray D. Acute liver failure. *Clin Res Hepatol Gastro* 2011 ; 35 :430-7.
- 43- Devictor D, **Tissières P**. Liver support for acute liver failure : Plus ça change, plus c'est la même chose. *Pediatr Crit Care Med* 2011; 12(3):349-50. (IF: 2.330)
- 44- Devictor D, Durand P, **Tissières P**. Invasive versus noninvasive intracranial pressure monitoring in children with acute liver failure. Letter. *Pediatr Crit Care Med* 2011; 12(6):694-5. (IF: 2.330)
- 45- Devictor D, **Tissières P**, Durand P, Chevret L, Debray D. Acute liver failure in neonates, infants and children. *Expert Rev Gastroenterol Hepatol.* 2011;5(6):717-29.
- 46- Zicca A, **Tissières P**. Endogenous antioxidant in sepsis : Don't put the plough in front the horses !. *Pediatr Crit Care Med* 2012; 13(2):244-6. (IF: 2.330)
- 48- Essouri S, Chevret L, Durand P, **Tissières P**. Place et indications de la VNI en pédiatrie – Apport de cette méthode lors de la décompensation respiratoire aiguë et des pathologies neuromusculaires. *Réanimation* 2011. 20 :S512-516
- 49- Deiva K, Chevret L, **Tissières P**. Encéphalite post-infectieuse de l'enfant en réanimation. *Réanimation* 2013. 22:S397-S402.
- 47- M. Sachet M, Tardieu M, Durand P, Ozanne A, Soubrier F, **Tissières P**, Chevret L, Husson B, Adamsbaume C, Bellesme C, Senatf MV, Ducreux D, Saliou G. Prise en charge des malformations vasculaires cérébrales découvertes en période ante- ou nonatale. *Arch Pediatr.* 2013 Jan;20(1):74-81.
- 48- Guilbert AS, **Tissières P**. Acute Kidney Injury: The dilemma of organ failures or just a circular reference ? *Crit Care.* 2013 Sep 4;17(5):182
- 49- Devictor D, **Tissières P**. Pediatric liver transplantation: where do we stand? Where we are going to ? *Expert Rev Gastroenterol Hepatol.* 2013; 7(7): 629-41.
- 50- Boet A, Brat R, Shankar Aguilera S, **Tissières P**, De Luca D. Surfactant from neonatal to pediatric ICU: bench and bedside evidence. *Minerva Anesthesiol.* 2014 Feb 7. [Epub ahead of print]

Book chapters

- 1- **Tissières P**, Le Coultre C. Acute and chronic pancreatitis in children. In Stringer MD, Oldham KT, Mouriquand PDE, Howard ER (eds): *Pediatric Surgery and Urology: Long-Term Outcomes.* 2nd edition, 2006. London, Cambridge University Press.
- 2- **Tissières P**, Devictor D. Fulminant hepatic failure and transplantation. In Nichols DG (ed): *Rogers Textbook of Pediatric Intensive Care.* 4th edition, 2008. Philadelphia, Lippincott Williams & Wilkins.

- 3- Devictor D, **Tissières P**. Fin de vie en réanimation néonatale et pédiatrique. In E. Hirsch, (ed). : Enjeux de l'éthique médicale, du soin et de la recherche. Paris, Espace Éthique - Vuibert, 2007, 892 p.
- 4- Binoche A, **Tissières P**, Devictor D, Leclerc F. Ce que doit connaître un réanimateur adulte de la réanimation pédiatrique. In Collège National des Enseignants de Réanimation Médicale (Ed). Traité de Réanimation Médicale, 2^{ème} édition. Elsevier Masson, Paris. *In Press*
- 5- Devictor D, **Tissières P**. Ethics in Pediatric Cardiac Intensive Care. In. R. Munoz, V. Morell, P. Wearden, E. da Cruz, Eds.: Handbook of Pediatric cardiac Intensive Care. Springer-Verlag Ltd, London. *In Press*

Paris, November 19, 2013