

CV of Prof. Marcelo Amato

Dr. Marcelo Amato is Professor in Medicine at the Cardiopulmonary department, and now the coordinator of the respiratory-ICU at INCOR – Faculdade de Medicina da Universidade de São Paulo, Brazil.

He is also the coordinator of an experimental Laboratory and ICU dedicated to the development of new technologies like Electrical Impedance Tomography, new solutions (hardware and software) for respiratory monitoring and mechanical ventilation; and the use of artificial intelligence to detect dyssynchronies (between patient vs. ventilator) and to estimate relevant physiological parameters.

He has published more than 200 original papers, mentored 30 PhD students, participated in more than 600 international conferences, and accumulated > 21.000 citations in scientific publications.

MOST RELEVANT PUBLICATIONS

- 1) ***“Effects of a Protective Ventilation Strategy on mortality in the Acute Respiratory Distress Syndrome”.***

Amato MBP; Barbas CSV; Medeiros DM; Magaldi RB; Schettino GPP; Lorenzi-Filho G; Kairalla RA; Deheinzelin D; Munoz C; Oliveira R; Takagaki TY; Carvalho CRR.

THE NEW ENGLAND JOURNAL OF MEDICINE 1998; 338 (6): 347-354.

- 2) ***“Lung Recruitment in Patients with ARDS” (letter).***

Borges JB, Carvalho CRR, Amato MBP.

THE NEW ENGLAND JOURNAL OF MEDICINE 2006, 355 (3): 319-322.

- 3) ***“Spontaneous effort causes occult pendelluft during mechanical ventilation”.*** Takeshi Yoshida, Vinicius Torsani, Susimeire Gomes, Roberta R. S. Santiago, Marcelo Beraldo, Costa ELV, Mauro R. Tucci, Walter A. Zin, Brian P Kavanagh, Amato MBP.

AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE 2013; 188(12): 1420-1427.

- 4) ***“Driving Pressure and Mortality in patients with Acute Respiratory Distress Syndrome (ARDS)”.***

Amato MBP, Meade, MO, Slutsky AS, Brochard L, Costa ELV, Schoenfeld DA, Stewart TE, Briel M, Talmor D, Mercat A, Richard JC, Carvalho CRR, Brower RG.

THE NEW ENGLAND JOURNAL OF MEDICINE 2015; Feb 372 (8): 747-755

- 5) ***“Imbalances in Regional Ventilation: a Validation Study on Electrical Impedance Tomography”***

Victorino JÁ, Borges JB, Okamoto VN, Matos GFJ, Tucci MR, Caraméz MPR, Tanaka H, Santos D, Barbas CSV, Carvalho CRR, Amato MBP.

AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE 2004; 169:791-800.