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Associate Professor in Intensive Care Medicine

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I am associate professor in Intensive Care Medicine at the University of Crete, School of Medicine, and physician at the ICU of the University Hospital of Heraklion since 2010. I have trained and received the Greek board certification in Adult Pulmonary Medicine and subsequently in Intensive Care. I received my PhD from University of Crete, and continued my studies as post-doctoral research fellow at the Zapol lab, at Anesthesia Center for Critical Care Research, in Mass General Hospital.

My research interests include mechanisms of lung injury (Nitric oxide synthase 3 contributes to ventilator-induced lung injury, 2010, Pulmonary microRNA profiling in a mouse model of ventilator-induced lung injury, 2012) and sepsis (Uncoupling of IL-6 signaling and LC3-associated phagocytosis drives immunoparalysis during sepsis, 2021, Akt Signaling Pathway in Macrophage Activation and M1/M2 Polarization, 2017), and mechanical ventilation (Driving pressure during proportional assist ventilation: an observational study, 2019, Clusters of ineffective efforts during mechanical ventilation: impact on outcome, 2017). I have a particular interest in patient-ventilator interactions and optimization of ventilation (Respiratory Drive in Critically Ill Patients. Pathophysiology and Clinical Implications, 2020, Clinical strategies for implementing lung and diaphragm-protective ventilation: avoiding insufficient and excessive effort. 2020). I am also involved in educational activities on mechanical ventilation, as organizer at the University of Crete, and instructor in national and international courses. I have participated as investigator in many local and international research projects (AEGLE, Horizon 2020) and multicenter clinical trials (PROMIZING, PMID 36973743)

Publications in PUBMED: <https://pubmed.ncbi.nlm.nih.gov/?term=vaporidi+k&sort=pubdate>

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