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Ioannis Koutroulis, MD, PhD, MBA is the Director of Research in the Division of Pediatric Emergency Medicine at Children's National Hospital and Principal Investigator at the Center for Genetic Medicine Research. Additionally, he is Associate Dean of admissions and co-Director of the Clinical and Translational Research Scholarly Concentration for the MD program, an Associate Professor of Pediatrics and Emergency Medicine at George Washington University School of Medicine and Health Sciences, a practicing pediatric emergency medicine physician and an NIH-funded investigator. His research focuses on severe infections/sepsis and more specifically on using AI/ML and Natural Language Processing for early identification and treatment of pediatric sepsis with novel therapeutic agents such as mesenchymal stem cell-derived extracellular vesicles. A recipient of several research and teaching awards, Dr. Koutroulis has served on numerous NIH panels and national committees on research and medical education.