



## Dr Hayden Leeds

Los Angeles

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Dr. Hayden Leeds is a pediatrician, specializing in critical care medicine at Children's Hospital Los Angeles with a clinical and academic focus on advanced respiratory monitoring and precision ventilatory management in critically ill children. He completed his pediatric residency at Oregon Health & Science University and earned his MD from Oregon Health & Science University, following undergraduate training in Philosophy, Neuroscience and Psychology at Washington University in St. Louis, USA.

Dr. Leeds' research centers on the application of electrical impedance tomography (EIT) to guide individualized ventilatory strategies in pediatric acute respiratory distress syndrome, including PEEP optimization and single-lung ventilation. He has led investigator-initiated clinical studies, secured foundation grant funding, and published across pediatric critical care, neonatology, cardiothoracic surgery, and palliative care literature. He is an invited international speaker on EIT-guided respiratory care and serves in advisory roles focused on advancing pediatric respiratory monitoring technologies.

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