

## **Instructor Pilot/ICU Director: Commonalities and differences among aviation and intensive care medicine**

Aviation and critical care are of similar age: the Wright brothers flew at Kitty Hawk in 1903 and Walter Dandy opened the first ICU at Johns Hopkins in 1923. Both disciplines defy human sciences, namely physics and biology. Both involve high risk. Yet the approach to training in –and administration of—the two disciplines varies widely. Herein, I will touch on my experiences in both professions (my 48<sup>th</sup> year as an aviator, and my 44<sup>th</sup> year as a flight instructor; my 31<sup>st</sup> year as board-certified intensivist and member of the professoriate) to assess the strengths, weaknesses, and “lessons learned”. Emphasis will be placed on the education and qualification of teachers; the role of apprenticeship; competency versus curriculum based training, recurrent training, medical fitness assessments, identification of systemic problems, simulators and more.