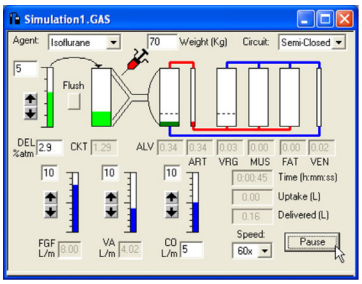
GE Healthcare presents...

Understanding Inhalation Anesthesia Kinetics with the Help of the Gas Man® Simulator

December 14, 2021 | 7:00 am PST | 9:00 am CST | 10:00 am EST | 4:00 pm CET
Presented by Dr. James H. Philip



Join GE Healthcare for a review of the pharmacokinetics of inhaled anesthetic agents. Dr. Philip will explore uptake and distribution and the relationship among levels in the patient circuit, lungs, arterial blood, vessel rich groups, muscle, fat and mixed venous blood. He will demonstrate how Gas Man software can provide a simulated look at inhalant kinetics and allow the learner to explore important clinical concepts for using inhaled agents safely, effectively and with less waste. A live Q&A session will follow this webinar presentation.

WHAT WILL BE COVERED

- The impact of alveolar ventilation, cardiac output, and anesthetic solubility on anesthesia depth
- Using overpressure to change anesthetic depth
- Predict what inspired concentration is needed to achieve the desired depth
- Explore inhaled anesthetic uptake and distribution to help refine patient care

WHO SHOULD ATTEND

Anesthesia Educators, Anesthesiologists, Anesthesiology Department Heads, Certified Registered Nurse Anesthetists (CRNAs), Anesthesiologist Assistants, Medical Researchers and Intensivists

REGISTER NOW

SPEAKER BIOGRAPHY

Dr. James H. Philip

Harvard Medical School

Dr. Philip is Professor of Anesthesia at Harvard Medical School and Anesthesiologist and Director of Anesthesia Bioengineering at Brigham and Women's Hospital. He has Bachelor's and Master's degrees in Electrical Engineering from Cornell University, and an MD from State University of New York Syracuse. Dr. Philip's career focuses on engineering the medical environment, especially anesthesia, to make it safer, more effective, and less costly. He does this by teaching clinicians how to apply engineering principles and by creating tools to facilitate care and foster education.

Dr. Philip wrote *Gas Man*, a computer simulation, workbook/textbook, and learning environment that teaches the kinetics and economics of inhaled anesthetics. The Gas Man simulator teaches the core competency of inhalation anesthesia kinetics and allows teachers to remediate residents who do not demonstrate competency by performing exercises satisfactorily. He created a nonprofit charitable organization, Med Man Simulations Inc., to distribute and further develop Gas Man software and promote its educational use worldwide (*www.medmansimulations.org* and *www.gasmanweb.com*).