



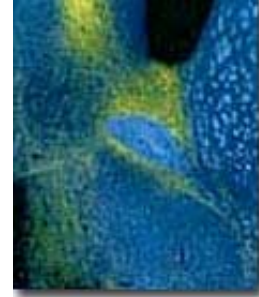
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Research Interests

Dr. Mashour received his M.D. and Ph.D in Neuroscience from Georgetown University and was awarded Fulbright Scholarships for neuroscience research at the University of Berlin and the University of Bonn. He completed his internship, residency, and chief residency in anesthesiology at the Massachusetts General Hospital and Harvard Medical School, as well as fellowship training in neurosurgical anesthesia at the University of Michigan. His main clinical interests are neuroanesthesia and neurocritical care.

Although Dr. Mashour's doctoral and post-doctoral work focused on neuro-oncology (references #1-4 below), his interests have turned to the cognitive neuroscience of anesthesiology (references #5-9). He is currently investigating the interfaces of sleep and general anesthesia in association with Dr. Gina Poe, with a particular focus on REM activity and cognitive function. He is credited with developing the "cognitive unbinding" paradigm of general anesthesia and advocating for the role of anesthesiology in the study of consciousness. Clinically, Dr. Mashour is studying awareness during general anesthesia and electroencephalographic techniques to prevent it. He is also currently editing an interdisciplinary book on the subject of unconscious processes.

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