

## MUSC Institute of Psychiatry Brain Stimulation Service— Comprehensive Depression Center

### Brain Stimulation Service Features

- Electroconvulsive Therapy (ECT) — ultra-brief pulse unilateral ECT minimizes the cognitive side effects of classic ECT
- Transcranial Magnetic Stimulation (TMS) — FDA-approved for treatment-resistant depression. **No pre-approval required by Federal BCBS.**
- Vagus Nerve Stimulation (VNS) — FDA-approved for treatment-resistant depression
- Deep Brain Stimulation (DBS) — a new FDA-approved treatment for severe obsessive compulsive disorder (OCD). **New blanket approval from SC Medicare.**
- Psychiatric psychopharmacology and brain stimulation consult service— **you maintain the ongoing patient relationship**

### Patient Profile

- Resistant to traditional treatments for depression or anxiety
- Medically stable
- 18 years plus (adolescent evaluations are done in conjunction with child psychiatrist)

### Why Refer to MUSC

- **One of only 21 Centers of Excellence designated by the National Network of Depression Centers**
- Innovative treatments for depression and OCD
- FDA- and APA-approved, evidence-based treatments
- Evaluations by the physicians who developed the science
- All brain stimulation procedures developed by or guided through approval by MUSC researchers and clinicians
- The only TMS and DBS clinic and one of two ECT clinics in the region
- Cutting edge research by world-class scientists

- History of advances
  - ◇ First published use of TMS for depression — 1995
  - ◇ First Vagus nerve implant for depression — 1998
  - ◇ Epidural prefrontal cortical stimulation (EpCS) — 2008
  - ◇ First Focal Electrically-administered Seizure Therapy (FEAST) outside of New York — 2010

### Our Team

**Mark George, M.D.**, Director, Brain Stimulation Laboratory, Board Certified in Neurology and Psychiatry, with 25-plus years of experience in treatment-resistant depression. Editor-in-Chief, *Brain Stimulation*.

**Baron Short, M.D., MSCR**, Director, Brain Stimulation Service, Board Certified in Psychiatry and Internal Medicine, with 10 years of experience in co-morbid psychiatric and medical illness, mood disorders and brain stimulation.

**Istvan Takacs, M.D.**, neurosurgeon, with 20-plus years experience in deep brain stimulation, Gamma-knife and LINAC radiosurgery, frameless neurosurgical navigation systems, and other minimally invasive techniques.

**Carol Burns, RN, MSN, APRN-BC**, Clinical Nurse Coordinator, with 30-plus years experience in psych nursing, 25 of which are in ECT.

### Scheduling Information

**843-792-5716**

MUSC Institute of Psychiatry  
67 President Street  
Charleston, SC 29425

11.29.11