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Electrophysiologists at The Medical Center

If you have a patient with an abnormal heart rhythm, contact one of the following electrophysiologists on staff at The Medical Center to refer for evaluation and treatment.



Deepak N. Gaba, M.D.
Sahetya Medical Institute
270-796-8800



Charles S. Lin, M.D.
Graves-Gilbert Clinic
270-783-3379



Frank Schwender, M.D.
Western Kentucky
Heart & Lung Associates
270-782-0151

Commonwealth Health Corporation
800 Park Street
Bowling Green, Kentucky
(270) 745-1584

Treating cardiac arrhythmias at The Medical Center

The Medical Center of Bowling Green's Electrophysiology Laboratory is active in all aspects of the diagnosis and treatment of adult patients with cardiac arrhythmias.

Causes of cardiac arrhythmias

Our comprehensive work-up begins with an assessment of potential medical, metabolic, and cardiovascular causes:

- Hyperthyroidism
- Electrolyte disturbances
- Caffeine, tobacco, heavy alcohol use, or drug abuse
- Medications (such as cough and cold medicines, over-the-counter dietary supplements, appetite suppressants, herbal treatments, psychotropic medications, and certain antibiotic and antifungal medications)
- Coronary artery disease
- Ischemic and non-ischemic cardiomyopathy
- Valvular heart disease
- Hypertensive heart disease
- Diabetes
- Stress

Evaluating cardiac arrhythmias

Conditions that can be evaluated by an electrophysiologist include:

- Mechanism of bradycardia.
- Evaluation of unexplained syncope.
- Diagnosis of mechanism of all types of SVT and optimal treatment thereof.
- Electrophysiology testing to ascertain mechanism of wide complex tachycardia when not evident by EKG analysis.
- To assist with optimal programming of a patient's defibrillator in cases of ventricular tachycardia. An EP Study can be used to assess if VT is treatable with burst pacing in order to minimize ICD shocks.

Treatment options

Treatments depend on the type of arrhythmia that a patient has. The Medical Center Electrophysiology Laboratory offers the following treatment options:

- Electrophysiology testing. This procedure evaluates the electrical system of the heart, diagnoses the type and location of rhythm disturbance and guides treatment.
- Radiofrequency ablation to treat and cure atrial flutter, SVT, and certain forms of ventricular tachycardia
- Pacemaker implantation for bradycardia
- Defibrillator implantation for primary and secondary prevention of sudden cardiac death
- Biventricular defibrillator implantation for the advanced treatment of congestive heart failure
- Loop recorder implantation to evaluate unexplained syncope
- Cardioversion for atrial fibrillation
- Tilt table testing to evaluate syncope

The Medical Center has three electrophysiologists on staff: Deepak N. Gaba, M.D., Charles S. Lin, M.D., and Frank Schwender, M.D. To learn more about Electrophysiology Services, visit www.TheMedicalCenter.org.