

PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF INTERNAL MEDICINE

Approved by the Regents
May 20, 2010

Frank M. Bogun, M.D., assistant professor of internal medicine, Department of Internal Medicine, Medical School, is recommended for promotion to associate professor of internal medicine, with tenure, Department of Internal Medicine, Medical School.

Academic Degrees:

M.D.	1992	University of Ulm School of Medicine, Germany
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Professional Record:

2003–present	Assistant Professor of Internal Medicine, University of Michigan
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Summary of Evaluation:

Teaching: Dr. Bogun has primarily been involved in the instruction and mentoring of fellows in the Electrophysiology Fellowship Program, which includes the annual University of Michigan Cardiology Fellows ECG Conference in which he presents various topics related to electrophysiology. He is recognized for his patience and intellect and the ability to convey difficult presentations with incredible insight. Although he does his most extensive teaching in the electrophysiology laboratory using a hands-on approach, he also presents various topics for discussion at the regular EP teaching conferences. Dr. Bogun has also conducted clinical instruction of residents while on the EP consult service.

Research: Dr. Bogun has dedicated his career to the study of electrophysiology, atrial fibrillation, arrhythmias and their ablation, and has quickly become the rising star of electrophysiology based on his substantial knowledge and contributions. Dr. Bogun lists more than 100 publications on his CV, many in the highest tier of peer-reviewed journals, and the number continues to grow. Nine of those listed were published in the first half of 2009 alone. The number of requests for Dr. Bogun to present at conferences clearly demonstrates his growing level of expertise and prominence in academic electrophysiology. His major area of expertise, in which he is considered a national leader, is in the ablation of ventricular arrhythmogenic foci. He is known for combining imaging (particularly MR with delayed hyperenhancement) to target a ventricular region for ablation.

Recent and Significant Publications:

Bogun F, Desjardins B, Good E, Kuhne M, Wells D, Chalfoun N, Crawford TC, Boonyapisit W, Dey S, Oral H, Ebinger M, Pelosi F, Chugh A, Jongnarangsin K, Morady F: Delayed enhanced

magnetic resonance imaging in patients with non-ischemic cardiomyopathy: Identifying and targeting the arrhythmogenic substrate. *J Am Coll Cardiol* 53(13): 1138-1145, 2009.

Jefic D, Joel B, Good E, Morady M, Rosman H, Knight B, Bogun F: Role of radiofrequency catheter ablation of ventricular tachycardia in cardiac sarcoidosis: Report from a multicenter registry. *Heart Rhythm* 6(2): 189-195, 2009.

Bogun F, Desjardins B, Crawford T, Good E, Jongnarangsin K, Oral H, Chugh A, Pelosi F, Morady F: Post-infarction arrhythmias originating in papillary muscles. *J Am Coll Cardiol* 51(18):1794-1802, 2008.

Good E, Desjardins B, Jongnarangsin K, Oral H, Chugh A, Ebinger M, Pelosi F, Morady F, Bogun F: Ventricular arrhythmias originating from a papillary muscle in patients without prior infarction: A comparison with fascicular arrhythmias. *Heart Rhythm* 5:1530-1537, 2008.

Bogun F, Reich JD, Good E, Jongnarangsin K, Marine JE, Elmouchi D, Iqbal P, Lemola K, Tschopp D, Chugh A, Pelosi F, Oral H, Morady F: Radiofrequency catheter ablation of frequent, idiopathic premature ventricular complexes: Comparison with a control group without intervention. *Heart Rhythm* 4:863-867, 2007.

Service: Dr. Bogun is an expert in cardiac arrhythmias, including their treatment with implantable devices, as well as their ablation. His particular expertise is in the ablation of ventricular tachyarrhythmias. He has a subspecialty area of expertise in arrhythmia due to cardiac sarcoidosis. Among a group of highly qualified faculty, he is the leading clinician at the University of Michigan ablating VT and PVCs, among the most complex procedures done. Dr. Bogun was selected to participate in an Expert Consensus from the EHRA/HRS/ACC/AHA (European Heart Rhythm Association/Heart Rhythm Society/American College of Cardiology/American Heart Association) and was recently elected as a task force member of the European Heart Rhythm Association. Additionally, Dr. Bogun initiated and founded the cardiac sarcoidosis registry at the University of Michigan, which is a multi-center registry.

External Review:

Reviewer A: "Dr. Bogun has made significant contributions to our knowledge of the pathophysiology and treatment of ventricular arrhythmias, and in many ways is unique in terms of the degree of precision and care with which he approaches his research...He is certainly recognized and well regarded on a national and even international level for his research contributions."

Reviewer B: "He is an outstanding clinical electrophysiologist and [his] expertise in the management of ventricular tachyarrhythmias by catheter ablation places him amongst the top 10 electrophysiologists in the United States...He would, without doubt, be promoted at our institution, as well as at institutions of equal or greater national reputation."

Reviewer C: "His publication record...is excellent with influential publications in our best journals...I think it is fair to say that Dr. Bogun is recognized for both his creative research and insights into ventricular tachycardia and his skills as a teacher."

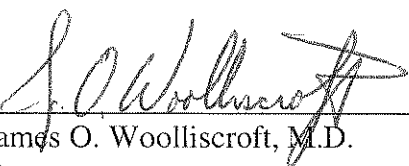
Reviewer D: "Dr. Bogun is an extremely talented individual with an almost unbelievable capacity for productive scholarly work. This is well documented by the plethora of contributions in almost all areas of clinical cardiac electrophysiology. Dr. Bogun has distinguished himself in a number of areas especially those related to ablation of atrial fibrillation as well as ventricular tachycardia...His work is very innovative, clear and oriented to answer critical clinical questions for desperately ill patients."

Reviewer E: "Dr. Bogun has already emerged as an established investigator in this field. The papers he has published on MRI imaging of infarcts and papillary muscle VT have had a tremendous impact on the field...he is a superb teacher and is in high demand as a teacher for several national and international conferences."

Reviewer F: "His research contributions have been superb...His skills as an educator are equally excellent and I would rank him in the top 10-15% of EP experts in his peer group. He is known nationally and internationally for his work and I am certain he would be promoted to this rank at [my institution]."

Summary of Recommendation:

Dr. Bogun has developed an expertise in his field that clearly puts him in the upper echelon of academic electrophysiology. His influence is far-reaching, and has helped to place the University of Michigan in a position envied by most other educational institutions. His contribution to the educational goals of the Department of Internal Medicine is surpassing expectations. I am pleased to recommend Frank M. Bogun, M.D. for promotion to associate professor, with tenure, in the Department of Internal Medicine.


James O. Woolliscroft, M.D.
Dean
Lyle C. Roll Professor of Medicine

May 2010