# Role of MRI in the evaluation of the musculoskeletal manifestations of Diabetic Foot

**Maha Mohammaed Abdel Raoof[1]; Hossam Moussa Sakr[2]; Rasha Salah Eldin Hussein[3]; Basma Saber Ibrahim Ali[4]**

*[1]Professor of Radiodiagnosis,*
*[2]Assistant professor of Radiodiagnosis,*
*[3]Lecturer of Radiodiagnosis,*
*[4] Radiodiagnosis specialist*
*Radiodiagnosis department, Ain Shams University, Cairo, Egypt*
***Corresponding Author:*** *Basma Saber Ibrahim Ali*

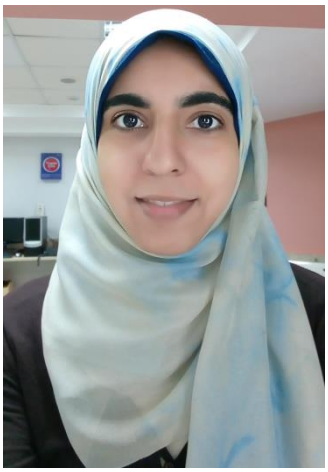
**Abstract (not more than 300 words)**

Diabetes Mellitus (DM) is a complex disease. The manifestations of diabetes are visible in every system in the human body; however, the musculoskeletal system is particularly affected. The foot is a frequent target of the disease. Complications of diabetic foot problems account for 50% to 60% of all non-traumatic foot or leg amputations, the majority of which are due to infectious complications. Imaging plays the key part in the identification of diabetic foot soft tissue, bony, and articular complications. Magnetic resonance imaging is the most sensitive and most specific imaging technique for the diagnosis of osteomyelitis and other musculoskeletal diabetic foot complications, and provides excellent anatomic detail and additional accurate information on the extent of the infectious process and associated soft tissues involvement.

Keywords— Diabetes Mellitus, Diabetic foot, Musculoskeletal system, Magnetic resonance imaging.

**Professional Biography (100-150 words)**

Dr. Basma Saber has completed her M.D at the age of 33 years from Ain Shams University. She is a diagnostic radiology consultant in Tahra Radiology Center in Cairo, and published this paper in the Egyptian journal of hospital medicine after finishing her MD thesis.



Full Name: Basma Saber Ibrahim Ali
Email Id: dr.basma.saber@gmail.com
Contact No: 00201118374630
Social Network Details (LinkedIn): www.linkedin.com/in/basma-saber-191b64b1/