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The value of stress MRI in evaluation of myocardial ischemia

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Ischemic heart disease (IHD) is the leading cause of death worldwide, with more than seven million deaths in 2008. According the WHO statistics from 2013, the burden of IHD is shifting away from high-income nations to other parts of the world. With the emergence of CMR stress imaging as a valuable tool in the diagnosis of stressinducible cardiac ischemia, it became of utmost importance to master the different techniques of CMR stress imaging. The advantage of this modality is that it is a noninvasive examination that does not expose the patient to any radiation compared with other modalities. CMR imaging offers the ability to study cardiac morphology, function, myocardial perfusion, detection of scar tissue, and additional information such as thrombus formation or no-reflow phenomenon that are usually not detected by other imaging modalities. This presentation focuses on the role of CMR stress examination in regard to evaluation of IHD including the diagnostic performance and prognostic value.

Biography

Saeed Al Sayari has obtained his MBBS degree from Bangalore University and did his Residency in General Radiology in Germany. He ha then joined a two-year Fellowship Program in Non-Invasive Cardiac Imaging at the University of Basel Hospital in Switzerland under the supervision of Professor Jens Bremerich, the Vice President of the European Society of Cardiac Radiology. He has obtained the European Board of Cardiac Radiology Diploma in 2014 followed by Level-3 Certification from the Society of Cardiovascular Magnetic Resonance (SCMR). He has completed his Global Clinical Scholar Research Training (GCSRT) program in 2015 from Harvard Medical School and finished a part-time MBA program in Basel. With his background in CMR and management training, he is interested in optimizing CMR workflows.

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