Stress Perfusion Imaging

Online Course Programme

Tuesday 22 February 2022

09.00 – 09.05	Introduction & Welcome
09.05 – 09.25	How to do CMR perfusion
09.25 – 09.45	Indications, contraindications and risks of CMR stress tests, including NSF
09.45 – 10.05	Coronary anatomy vs. functional imaging: Role of cardiac CT vs. Stress CMR
10.05 – 10.35	Ischaemia and viability – When to use what? Low dose dobutamine, high dose dobutamine, adenosine, regadenoson, late gadolinium enhancement
10.35 – 10.55	Evidence for CMR stress perfusion guided management
10:55-11:10	**Coffee Break**
11.10 – 13.10	Case reviews and post-processing
13:10-13:55	**Lunch Break**

13.55 – 14.25	MR physics relevant to CMR stress perfusion imaging
14.25 – 14.45	Image optimisation, imaging artefacts and troubleshooting
14.45 – 15.30	Stress perfusion analysis – absolute quantification vs. semi quantitative vs. visual assessment
15.30 – 15.50	AI for automated quantitative analysis and diagnosis of microvascular disease
15:50 - 16:05	**Coffee Break**
16.05 – 17:05	Case reviews and post-processing
17:05 – 17.25	Setting up a clinical CMR stress test service
17.25 – 17.45	Quiz, course feedback, certificates and closing remarks

Organisers reserve the right to make changes to the timetable.