

CMR Assessment of Cardiac Microvascular Dysfunction in Patients With HFpEF

NCT06316661

Status	RECRUITING
Sponsor	Istituto Auxologico Italiano
Enrollment	60 participants

Plain Language Summary

This study uses cardiac MRI (a detailed heart imaging technique) to evaluate microvascular dysfunction — tiny blood vessel problems inside the heart — in patients with heart failure with preserved ejection fraction (HFpEF), a type of heart failure where the heart pumps normally but is too stiff. Researchers want to understand how these small vessel abnormalities contribute to the condition.

****You may be eligible if...****

- You are 18 years or older
- You have been diagnosed with HFpEF according to 2016 European heart failure guidelines (for the patient group)
- You are able to provide written informed consent and safely undergo an MRI

****You may NOT be eligible if...****

- You are pregnant or breastfeeding
- You have absolute contraindications to the MRI procedure (including poorly controlled asthma, severe kidney disease with GFR below 30, or atrial fibrillation)
- You have had prior chemotherapy or radiation to the chest
- You have known coronary artery disease, diabetes, or systemic inflammatory conditions
- You are a control group participant with any known cardiac, lung, blood, or cancer condition

Talk to your doctor to see if this trial is right for you.

Key Eligibility Criteria

Inclusion (3)

- Age greater of or equal to 18 years at enrolment
- Able to provide written informed consent
- Diagnosis of HFpEF as defined by the 2016 ESC Guidelines (only for HFpEF group)

Exclusion (9)

- Pregnancy or breastfeeding
- Absolute contraindication to adenosine perfusion cardiac MRI (including uncontrolled asthma and severe chronic kidney failure, defined as glomerular filtration rate $< 30\text{ml}(\text{min}/\text{kg})$)
- Atrial fibrillation
- Previous chemotherapy and/or mediastinal radiotherapy
- Known CAD

... and 4 more (see full listing online)

Locations (1 total)

IRCCS Istituto Auxologico Italiano, Milan, Italy

<https://clinicaltrials.gov/study/NCT06316661>

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