

Cardiac MR functional imaging

Application Tip

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Application Tip

1.5T, Cardiac, Cardiac
Cardiac function cine, C
imaging, Cardiac MR, C
views, CMR, Heart

This application tip provides information about Cardiac MR functional imaging on a 1.5T Philips MRI system operating at Release 5.3 or higher.

1. Cine scans for functional imaging of the heart

Cine scans can be used for studying wall motion and ventricular function. A variety of scan methods is available for cine imaging, but Balanced FFE is typically used for breath-hold cardiac cine scans.

Use the link below to read more about Cardiac functional Imaging, such as:

- Balanced FFE: understanding the scan technique and how to use it
- Interactive scanning for determining geometry angulations for the different cardiac views in real time.
- 3 Points Planscan for defining an irregular plane by placement of three points on one or more images of different orientations.
- PlanAlign for double oblique scans.

[View more on methods in Cardiac Functional Imaging](#)

2. Workflow for Cardiac MR functional imaging

Below you can download a workflow guide for Cardiac functional imaging. It explains the workflow, including:

- Scan preparation
- Patient positioning
- Scan techniques
- Synchronization techniques
- Parameter considerations
- Image quality

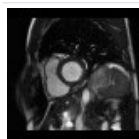
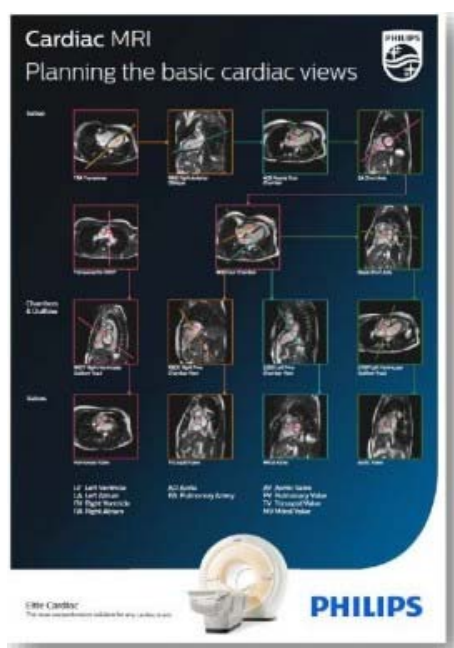


[View Workflow guide for Cardiac MR functional imaging](#)

3. Planning Cardiac MR functional views

You may click the link below to access more information on the basic cardiac views and inflow / outflow tracts and how to plan them:

[Guidance for planning the Cardiac functional views](#)



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On: Mar 17, 2019

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