1. Cardiac MRI Data Analysis

a) Cardiac 2D Flow Analysis includes:
   - Calculation of flow velocity parameters (e.g. mean and max velocity, mean, cumulative, prograde, retrograde flow)
   - for large and small vessels.
   - Semi-automatic detection of regions of interest over time
   - Color-coded display of velocity values.
   - Calculation of flow and velocity parameters (e.g. peak velocity, average velocity, flow, integral flow)
   - Graphical and tabular display of the results (e.g. flow-time curves).

b) Cardiac Function Analysis includes:
   - Automatic, semi-automatic, or manual segmentation of the left and right ventricle
   - Volumetric Analysis and wall thickness analysis.
   - Output of parametric results, volume-time curves and bull’s-eye plots.
   - DICOM structured Reporting.

2. Advanced 4D Flow Data Analysis
   - 4D Flow data preprocessing (noise correction, eddy current correction, anti-aliasing, calculation of the phase contrast angiogram)
   - Advanced segmentation of the phase contrast angiogram
   - Visualization of 4 dimensional blood flow
   - Calculation of basic flow parameters (net flow, peak velocity, regurgitation)
   - Calculation of advanced flow parameters

3. T1 and T2 Mapping, Tissue Phase Mapping
   Evaluation of regional myocardial structure, function, and dyssynchrony.

4. Providing core lab functionality and support
   - Generation and management of database
   - Generate the Standard Operations and Procedures and provide the Manual of Operations for the successful completion of the study.
   - Organize data transfer and storage.
   - Help with establishing MRI protocols.

Please contact us for rates,

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