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Low-Dimensional Representation of Cardiac Motion Using
Barycentric Subspaces: a New Group-Wise Paradigm for Estimation,
Analysis, and Reconstruction

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Highlights

- The introduction of a method for dimension reduction for medical images.
- The methods for manipulating images within Barycentric Subspaces.
- The group-wise analysis of the features extracted from the projection.
- The use of this subspace to build a prior for a cardiac registration algorithm.
- The reconstruction of a sequence with three reference frames and the barycentric coefficients.

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