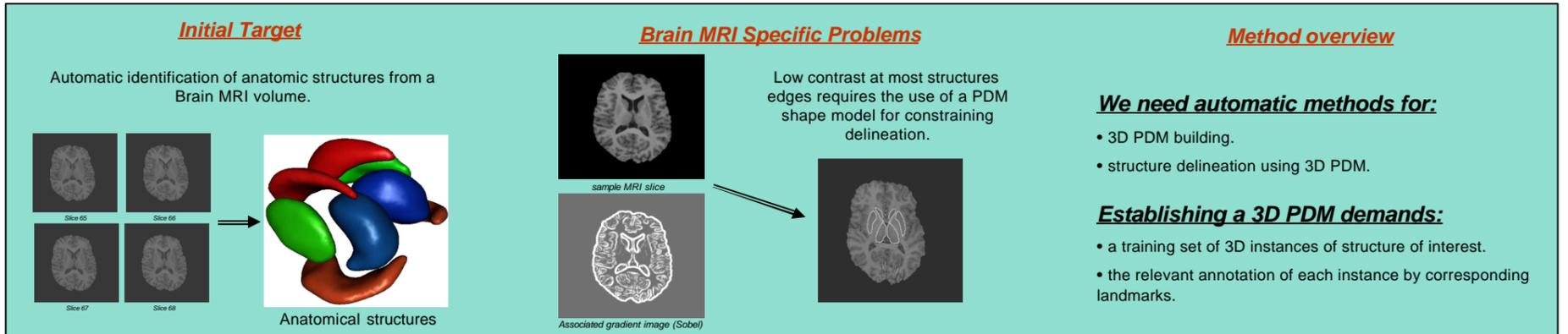


Automatic Atlas-Based Building of Point Distribution Model for Segmentation of Anatomical Structures from Brain MRI

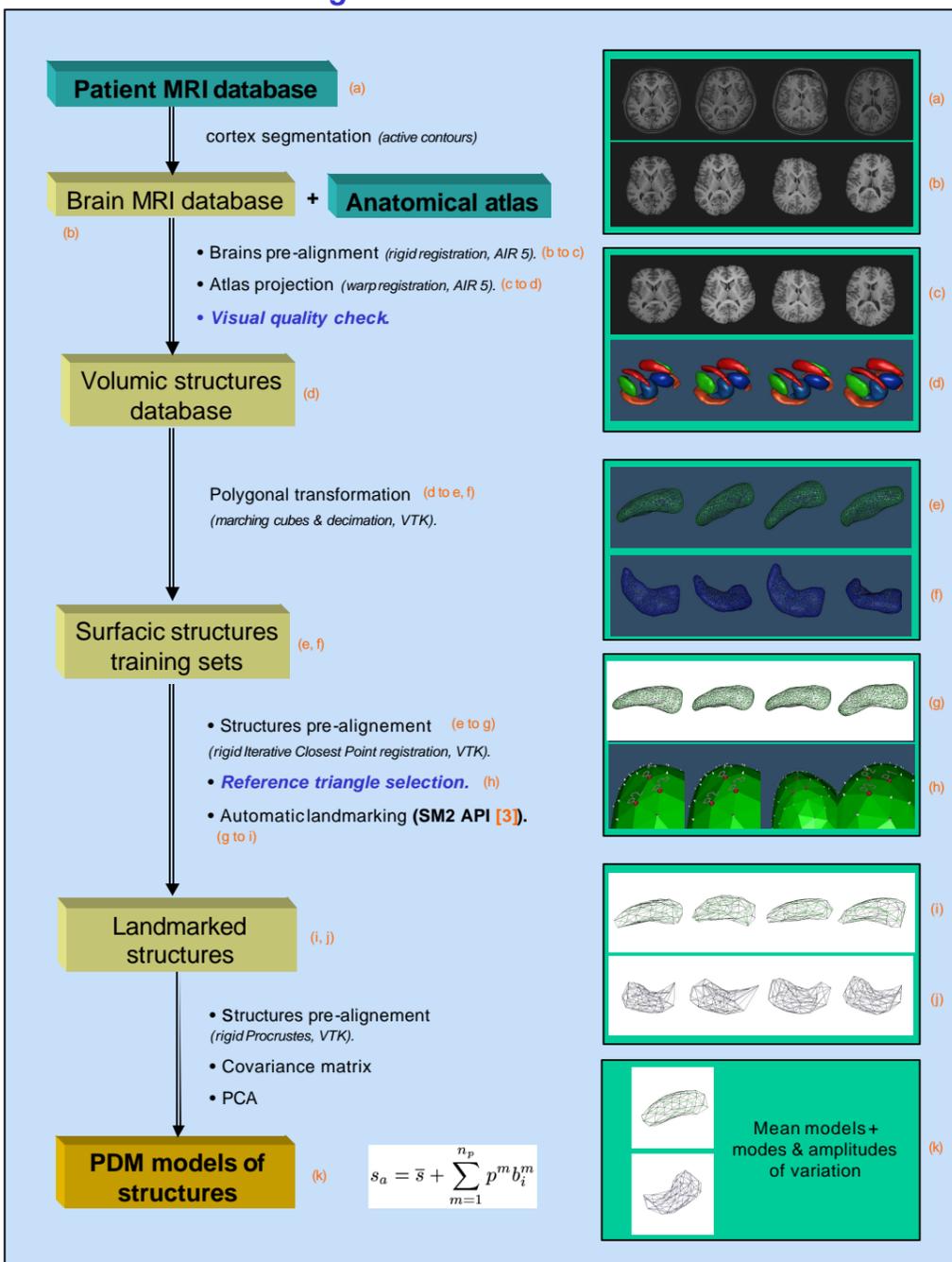
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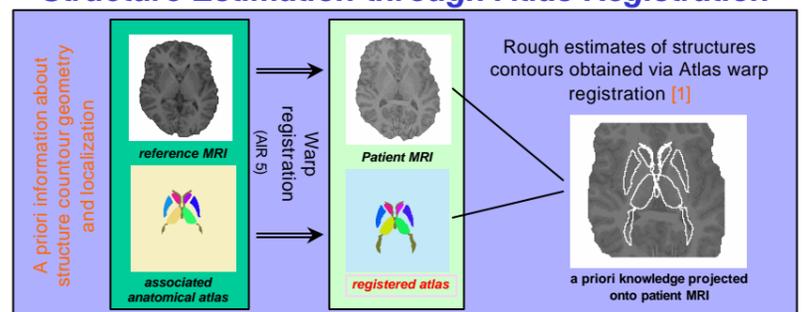
Introduction



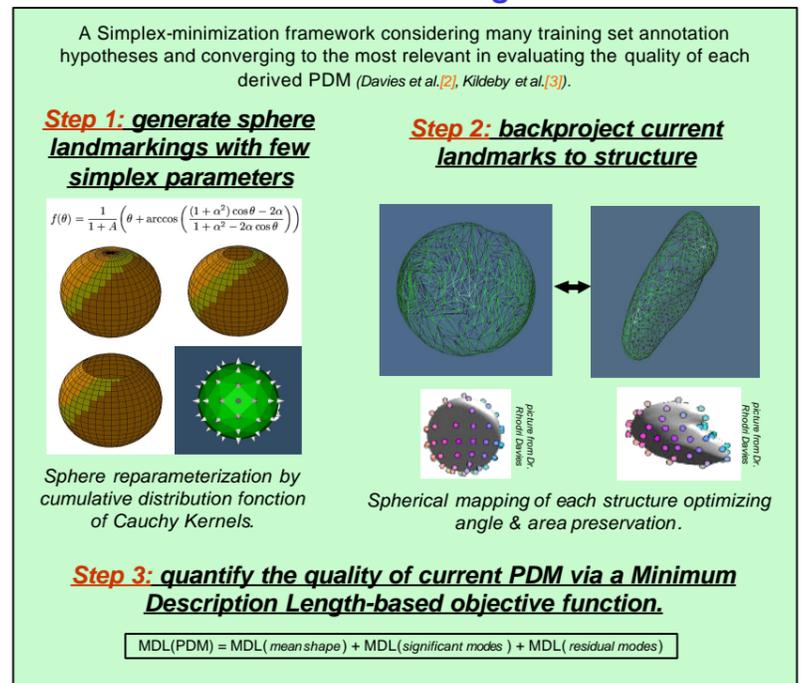
3D PDM Building of Brain MRI Anatomical Structures



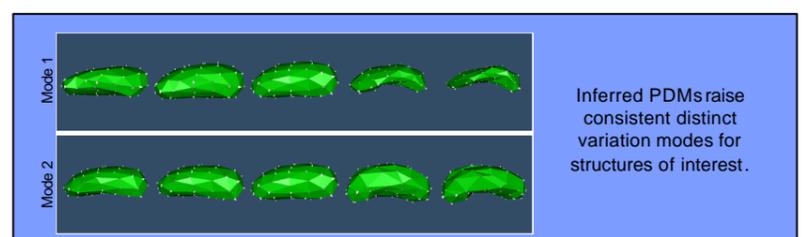
Structure Estimation through Atlas Registration



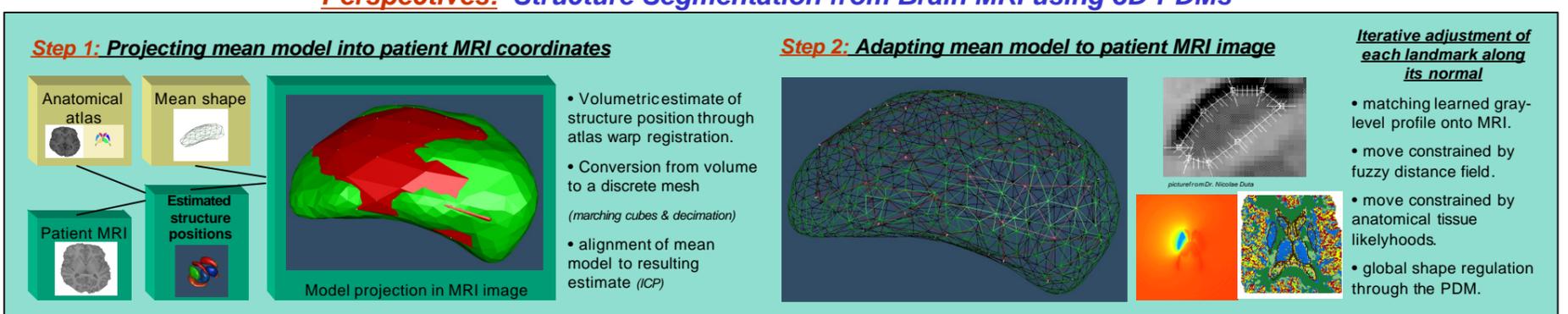
Automatic Landmarking Overview



Results



Perspectives: Structure Segmentation from Brain MRI using 3D PDMs



References

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- [2]: Rhodri H. Davies, Carole J. Twining, Tim F. Cootes, John C. Waterton, Chris J. Taylor, "A Minimum Description Length Approach to Statistical Shape Modeling", IEEE Transactions on Medical Imaging, 21(5), May 2002.
- [3]: Allan Reinhold Kildeby "Building optimal 3D shape models", Master's Thesis, Informatics and Mathematical Modelling, Technical University of Denmark, DTU, Supervisor: Rasmus Larsen, 2002.