CartA CARTILAGE IMAGE ANALYSIS SOFTWARE
(Investigational use version)

Medical Imaging Applications, LLC

a family of products that contribute to quantitative assessment of
articular cartilage morphology and function

1 THREE DIMENSIONAL DETECTION OF CARTILAGE & BONE SURFACES IN THE KNEE JOINT AREA

- Quantitative analysis of cartilage morphology in the joint area
- Quantitative analysis of cartilage thickness in 2D and 3D MR images of knee joints
- DICOM 3.0 compatibility
- MS Excel and SAS output compatibility
- Convenient reporting of results

- Simultaneous automated detection of 6 surfaces in mutual context
- User-friendly graphical interface
- Ease of use in work-flow settings

- Interactive bone surface rendering in 3D
- Color-coded cartilage thickness on bone surfaces
- Corresponding 2D and 3D displays

2 QUANTITATIVE ANALYSIS AND INTERACTIVE MEASUREMENTS

- Calculation of cartilage volume
- Mean and standard deviation of cartilage thickness
- Histograms of cartilage thickness distribution
- Convenient manual editing of results if necessary
- Real-time measurement of cartilage thickness in an interactively specified location
- User-modifiable measurement settings.

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3 INTERACTIVE CARTILAGE THICKNESS MEASUREMENT

- Instant cartilage thickness value provided for any location in the 3D joint area

4 FLEXIBLE REPORTING

- Report can be exported to HTML or PDF document, allowing archiving and printing

Instant on-screen reporting upon analysis