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Adrenal Tumor Segmentation Method for MR Images

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Highlights

- Adrenal tumors can be adherent to liver, spleen, spinal cord, kidney, and this situation prevents an accurate segmentation of adrenal tumors.
- In addition, low contrast, non-standardized shape and size, homogeneity, and heterogeneity of the tumors are considered as problems in segmentation.
- This study proposes a computer-aided diagnosis (CAD) system to segment adrenal tumors by eliminating the above problems.
- The performance of the proposed method was assessed on 113 Magnetic Resonance (MR) images using seven statistical metrics.
- As a result, an efficient framework is presented on segmentation of adrenal tumors for MR images, especially for cyst-based tumors.

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