Abstract

Medical image security can be enhanced using the reversible watermarking technique, it allows us to embed the relevant information with the image, which provides confidentiality, integrity and authentication by embedding RSA encrypted digital signature with the image. This paper discusses the need for reversible watermarking techniques and security related problems.
in medical images. Here we are comparing the lossless watermarking techniques for various medical image modalities like MRI (Magnetic resonance imaging), US (Ultrasonic), PET (Positron emission tomography), Endoscopic and angiographic images. For the discussions we can take ROI supporting lossless watermarking systems. This lossless watermarking is responsible for recovering the altered medical image content of the system.

Reference

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**Index Terms**

Computer Science  
Security

**Key words**

- Reversible Watermarking  
- Integrity
- Confidentiality
- Authentication
- Medical Image Compression
- Medical Imaging