

# Inpainting and denoising on the implant CT image

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## **Abstract**

We are trying to remove the halation on the implant CT image due to the metallic installation. We will give a brief introduction of iterative regularization procedure for inverse problems based on the use of generalized Bregman distances. Using many new developed techniques such as Recursive Inverse Scale Space method and Global minimization of active contour model, etc, we are only able to remove the halation on the CT image a little bit. But for the realistic results, we need a lot of new advanced development for image sciences specially denoising and inpainting.

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