Low Dose Fluoroscopy for Orthopedic Surgery

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Problem:
• Internal fixation of pelvic fractures requires many high-dose digital radiographs

Goals:
• Improve the quality of low-dose x-ray images to make usable during surgery

Significance:
• lowers health risk without impeding the surgeon’s task (locating instrumentation in bone)

Results:
• Functional pipeline
• Noticeable improvement in image quality