We conducted a preliminary evaluation of a digital fluoroscopy sys tern for general applications, including gastrointestinal imaging, ye nography, rnyelography, and genitourinary fluoroscopy.The installation is designed primarily for digital fluoroscopy and radiogra phy of the gastrointestinal tract but is also being eva!uated for a variety of fluoro scopic procedures, including venography, mye!ography, arthrography, and genito urinary procedures.U INTRODUCTION The development of digital equivalents of conventional radiography and fluoros copy is critical if digital image acquisition and management are to be extended be yond the current digital imaging modalities (computed tomography, magnetic res onance imaging, nuclear medicine, ultrasound, and digital angiography) (1–4).The image intensifier selected for our installation has a 33–cm (13–inch) nominal field size with an electronic zoom feature that provides additional field sizes of 23 cm (9 inches) and 17 cm (7 inches).In this article, we describe the system, its operation, and its parameters and dis play conventional images paired with digital images obtained in various clinical app!ications.?????

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