


SMART HEART AND HEALTH
Preventive Imaging
Bradley A. Jabour, M.D., Chief of Radiology

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CT OF THE PELVIS WITHOUT CONTRAST, INCLUDING CORONAL REFORMATTED IMAGES

HISTORY

Possible prostate calcifications.

TECHNIQUE

Utilizing the Siemens Sensation 64 slice Multidetector CT scanner, axial images were obtained of the pelvis without intravenous contrast. The axial data Set was utilized to generate coronal reformatted images.

	CT DI (mGy)	DLP (mGy*cm)
Pelvis without	16.45	588.12

In order to minimize radiation exposure to the patient while maintaining optimal image quality, this CT scanner uses protocols incorporating automated exposure control, with tube current (mA) and photon energy (kV) tailored to individual patient size.

Study was performed at Medical Imaging Center of Southern California, Santa Monica

COMPARISON

None available.

FINDINGS

PELVIC CONTENTS:

-Reproductive: The prostate gland measures 5.0 cm transversely. There is a confluence of stippled and coarse calcifications throughout the dorsal aspect of the prostate gland from base to apex.

-Urinary bladder: There is thickening and trabeculation of the bladder wall with posterior diverticula formation suggesting chronic partial bladder outlet obstruction.

-Visualized bowel: Visualized small bowel loops appear unremarkable. Mild colonic diverticulosis is observed with no acute diverticulitis.

-There is no pelvic lymphadenopathy.

OSSEOUS STRUCTURES: There is transitional anatomy at L5-S1. S1 is partially lumbarized, with a well-developed S1-S2 disc. There is 5 mm degenerative anterospodylolisthesis of L5 on S1 due to severe facet arthrosis.

The sacrum and coccyx appear satisfactory. Sacroiliac joints are normal bilaterally.

The hip joints appear satisfactory with no arthropathy.



MEDICAL IMAGING
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The symphysis pubis is intact. No pubic ramus fractures are seen.

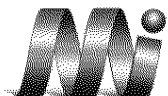
SOFT TISSUES: Visualized musculature appears unremarkable. No focal masses or collections are identified in the soft tissues of the pelvis.

IMPRESSION

1. Densely calcified prostate gland.
2. Signs of chronic partial bladder outlet obstruction.
3. Colonic diverticulosis.
4. 5 mm degenerative anterolisthesis L5 on S1. Transitional partially lumbarized S1 vertebral body.

William Feske, MD

Signed Date: 06/02/2025 03:51 PM

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