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AGE/SEX: 69 YEARS / M
STUDY NAME: PSMA PET WB-CECT
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PET CT & NUCLEAR IMAGING CENTRE

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¹⁸F-PSMA Whole Body PET-CT Scan

CLINICAL HISTORY: Presented with prostatomegaly, serum PSA level – 61.4 ng/mL (dated 11/10/2021), for evaluation.

Procedure:

Radiotracer & dose : 9.5 mCi ¹⁸F –Prostate Specific Membrane Antigen (PSMA).

Examination : Skull vertex to feet.

Technique : Imaging was performed after 90 mins of intravenous administration of radiotracer injection on an integrated 16-slice PET/CT scanner (GE Discovery IQ).

Multiphase Contrast CT images were acquired and co-registered with PET images for interpretation with reconstruction performed in transaxial, coronal & sagittal views of 1.5 mm slice thickness.

Standard uptake values normalized to body surface area obtained over lesions (SUV max).

FINDINGS:

Head and Neck:

- Partial mucosal thickening noted in bilateral ethmoidal and bilateral maxillary sinus, without radiotracer uptake sinusitis.
- Normal radiotracer uptake is seen in bilateral lacrimal and salivary glands.
- No area of abnormal radiotracer uptake seen in the head and neck region.
- Skull base, pharynx, neck region and thyroid do not show any abnormality on CT. No abnormal Lymphadenopathy noted.

Chest:

- No area of abnormal radiotracer uptake noted in bilateral lungs, mediastinum and thoracic wall.
- Lungs, large airways, pleura, heart, great vessels and other mediastinal structures appear normal on CT. No abnormal Lymphadenopathy noted