BONE SCAN

Clinical Indications:
- Cancer of the bone or metastasis
- Bone inflammation and fractures
- Bone infection/avascularity
- Metabolic bone disease such as Paget’s disease
- Disc degeneration, facet arthritis and crush fractures old versus new.

Benefits of a Bone Scan:
- No patient preparation
- Bone Scans may be able to achieve earlier management for the patient, due to early detection through the rapid osteoblastic healing response, whereas features of a fracture may take several days to weeks to evolve on X-ray.
- Whole skeleton can be assessed
- Further clinical information can be obtained with the combination of SPECT and low dose CT, which provides a fused SPECT/CT image and enables co-registration of abnormal bone scan activity with skeletal anatomy.

Contraindications:
- Pregnancy

NCR Billing Policy: Bulk Billed

CEREBRAL PERFUSION SCAN

Clinical Indications:
- Differential diagnosis of suspected dementia in patients presenting with cognitive impairment.

Benefits of a Cerebral Perfusion:
- Looks at brain function by demonstrating the amount of blood taken up by the brain cells.
- The cerebral perfusion scan can assist in providing information about different types of dementia and can therefore assist in providing optimal patient care and management.
- A low dose, non-contrast computed tomography (CT) is acquired in conjunction with the SPECT study to produce a fused SPECT/CT image that permits precise co-registration of regional cerebral blood flow with regional cerebral anatomy.

Contraindications:
- Pregnancy

NCR Billing Policy: Bulk Billed

VENTILATION AND PERFUSION SCAN

Clinical Indications:
- Diagnose PE
- Diagnose recurrence of PE
- Predict quantitative lung function

Benefits of a Ventilation and Perfusion Lung Scan:
- Significantly less radiation dose than CTPA
- Preferred option to CTPA in patients that have a contrast allergy or impaired renal disease and are unable to have a iodine contrast injection.

NOTE: A chest x-ray (no older than 24 hours) is required for interpretation of the lung scan.

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