

CT template for lymphoma assessment:

CT SCAN OF NECK, CHEST ABDOMEN AND PELVIS

Post contrast CT scan of neck, chest abdomen and pelvis has been performed from skull base to ischial tuberosity.

Indication: Staging / response assessment of lymphoma.

Comparison:

Findings:

Neck

Nodes: level/ laterality/ discrete or conglomerate / size/ morphology

Pharynx and larynx:

Oral cavity and tonsils:

Salivary glands:

Thyroid:

Vessels and carotid space:

Thorax

Lungs:

Mediastinal and hilar nodes: Absent / present/ size/ location/ extension to lungs

Trachea and bronchi:

Pleural spaces:

Heart and pericardium:

Oesophagus:

Chest wall:

Axillary nodes:

Abdomen and Pelvis

Nodes : retroperitoneal / mesenteric/ iliac / inguinal nodes - Site/ size

Liver: enlarged / normal in size.

attenuation- normal / fatty

focal lesion - present / absent

vessels- normal / periportal infiltration

Spleen: normal/ enlarged ; if enlarged size

focal lesion- present/ absent

Gall bladder:

Adrenals:

Pancreas:

Kidneys and ureters: normal / enlarged ; hydronephrosis- present/ absent

focal lesion: present / absent

perirenal space: normal / soft tissue infiltration

Stomach and bowel: unremarkable/ wall thickening / aneurysmal dilatation

Urinary bladder:

Pelvic organs:

Ascites:

Bones: normal / lytic or sclerotic lesion

Conclusion:

Staging if primary / Response assessment

Cotswolds modified Ann Arbor Staging Classification for both Hodgkin and non-Hodgkin lymphoma

CT response assessment should be based on RECIL 2017 criteria.

Cotswold's modified Ann Arbor Staging Classification for both Hodgkin and non-Hodgkin lymphoma

- **stage I:** one nodal group or lymphoid organ (e.g. spleen or thymus)
 - **stage IE:** one extranodal site
- **stage II:** two or more nodal groups, same side of the diaphragm
 - **stage IIE:** localized extranodal site with stage II criteria, both on the same side of the diaphragm
- **stage III:** nodal groups on both sides of the diaphragm
 - **stage IIIS(1):** with splenic involvement
 - **stage IIIE(2):** with localized extranodal site
 - **stage IIISE:** both
- **stage IV:** disseminated involvement of one or more extra lymphatic organ (e.g. lung, bone) with or without any nodal involvement

Additional sub-staging variables:

- **A:** asymptomatic
- **B:** presence of B symptoms (including fever, night sweats and weight loss of over 10% of body weight over 6 months)
- **X:** bulky nodal disease: nodal mass >1/3 of intrathoracic diameter or 10 cm in dimension

RECIL criteria for response assessment

Complete Response

- Complete disappearance of all target lesions and all nodes with a long axis < 10 mm
- $\geq 30\%$ decrease in sum of longest diameters of target lesions (partial response) plus normalization of FDG-PET
- Normalization of FDG-PET (Deauville score 1–3)
- No bone marrow involvement
- No new lesions
- Reduction in the sum of diameters by $\leq 30\%$ with normalization of FDG-PET uptake should not be considered a complete response unless documented by negative tissue biopsy.

Partial Response

- $\geq 30\%$ decrease in the sum of longest diameters of target lesions but not a complete response
- Positive FDG-PET (Deauville score 4–5)
- Any bone marrow involvement
- No new lesions

Minor Response

- $\geq 10\%$ decrease in the sum of longest diameters of target lesions but not a partial response
- Any FDG-PET findings
- Any bone marrow involvement

- No new lesions

Stable Disease

- $< 10\%$ decrease or $\leq 20\%$ decrease in the sum of longest diameters of target lesions
- Any FDG-PET findings
- Any bone marrow involvement
- No new lesions

Progressive Disease

- $> 20\%$ increase in the sum of longest diameter of target lesions
- For small lymph nodes of < 15 mm post therapy, minimum absolute increase of 5 mm and long diameter > 15 mm
- Appearance of new lesion
- Any FDG-PET finding
- Any bone marrow involvement
- New or no new lesions