

Lymphadenopathy

Enlarged lymph nodes

Localized

1-2 specific lymph node regions

Diffuse

3+ Nodes felt in all palpable regions (neck, armpit, groin, etc)

Reactive

(tender, red, mobile)

Neoplastic

(non-tender, rubbery/hard, fixed, >2cm)

Reactive

(tender, red, mobile)

Neoplastic

(non-tender, rubbery/hard, fixed, >2cm)

Infectious Inflammatory

- Bacterial (pharyngitis, cellulitis, lymphadenitis)
- Viral (Pharyngitis)
- Allergy
- Acne
- Insect bites (esp occipital lymph node enlargement)

Early Lymphoma Metastatic Cancer

- Hodgkin's (starts as localized cervical or mediastinal node)
- Non-Hodgkin's
- Nasopharyngeal
- Head/neck
- Thyroid
- Breast
- GI tract
- melanoma

Infectious Inflammatory

- EBV
- HIV
- CMV
- Hepatitis
- Toxoplasmosis
- Pertussis (whooping cough - bacterial)
- Mumps, measles, Rubella (rare)
- TB
- Lupus
- Sarcoidosis
- Rheumatoid arthritis
- Allergy
- Acne
- Insect bites

→ **Little kids** (non-pathologic diffuse lymphadenopathy; will grow out of)

Leukemia Lymphoma

- CLL**
 - Lymphocytosis on CBC
 - mature B cells in smear
 - Asymptomatic presentation
 - Age >50
- ALL**
 - Blasts in WBC diff
 - Pancytopenia due to marrow infiltration by blasts (bleeding, fatigue, infection)
- Lymphoma**

No lymphocytosis on CBC, normal smear (do lymph node bx)

 - Hodgkin's (late stage)** (Reed-sternberg cells)
 - Non-Hodgkin's** (monoclonal lymphocytes)

For localized lymphadenopathy:

Cervical	Supraclavicular	Infraclavicular	Occipital	Axillary	Epitrochlear	Inguinal
<ul style="list-style-type: none"> • Anterior: Infection (eg. Mono, toxoplasmosis) • Posterior: TB, lymphoma, kikuchi dx, head/neck metastatic cancer) 	<ul style="list-style-type: none"> • GI Malignancy (if Virchow's node visible – late stage!) • Thoracic malignancy (breast, lungs, mediastinum, esophagus) 	<ul style="list-style-type: none"> • Almost always malignancy 	<ul style="list-style-type: none"> • Almost always malignancy 	<ul style="list-style-type: none"> • Infection (arm, thoracic wall, breast) • Cancer (R/O infection in upper extremities) 	<ul style="list-style-type: none"> • Infection (forearm, head) • Lymphoma • Sarcoidosis • Tularemia • Secondary syphilis 	<ul style="list-style-type: none"> • Leg infection • STI • Cancer