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Lymphoma

Non Hodgkin's

- S&S
  - Without Reed Sternberg cells - very diverse group
  - Nodal disease
    - 75% presentations
  - Extranodal disease
    - 25% presentations
  - Systemic symptoms: fever, night sweats, weight loss
  - Pancytopenia due to marrow involvement
- Grading
  - Low Grade
    - Slow developing althoug often incurable
    - 50% 5 year survival
  - High Grade
    - More aggressive, but long term cure may be available
    - 30% 5 year survival
- Treatment
  - Depends on disease sub type
  - Low grade
    - Radiotherapy may be curative in local disease
    - Chemo in diffuse disease
    - Remission may be maintained using alpha interferon or rituximab
  - High grade
    - Significant chemotherapy

Hodgkin's

- Histological Classification
  - Nodular sclerosing
  - Mixed cellularity
  - Lymphocyte rich
  - Lymphocyte depleted (poor prognosis)
- Presence of Reed Sternberg cells
- Peak incidence in young adults and elderly
- S&S
  - Enlarged, painless, non tender superficial lymph nodes
  - Spontaneous increase and decrease in size of lymph nodes
  - Constitutional upset: fever, weight loss, night sweats, lethargy, pruritius
  - Alcohol induced lymph node involvement
  - Signs: spleen and hepatomegaly
- Tissue diagnosis via lymph node excision biopsy
- Staging (Am Arbar)
  - I: confined to single lymph node region
  - II: two plus nodal areas
  - III: nodes on both sides of diaphragm
  - IV: spread beyond lymph nodes
  - A: no systemic symptoms other pruritius
  - B: systemic symptoms
- Treatment
  - Radiotherapy + short course chemo for stages I-A and II-A (less than 3 areas involved)
  - Longer course chemo for other stages (more than 3 areas involved)
- 5 year survival depends on stage and grade 40 - 95%

Differentials for Lumps in the Neck

- Salivary glands
- Dental abscess
- Enlarged lymph nodes
  - TB, lymphoma, infective mononucleosis, other infective cause, lung cancer, other cancer