

# FOLLICULAR LYMPHOMA

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# Main Discussion points

- Pathogenesis
- Morphology
- Immunophenotyping
- Clinical Features
- Diagnosis

# Follicular lymphoma

- A type of Non Hodgkin lymphoma, a cancer of the lymphatic system.
- Characterized by abnormal growth of B cells in lymph nodes and other parts of the body
- 20-30% of all cases
- Mainly affecting middle aged, males
- Slow growing
- Often asymptomatic



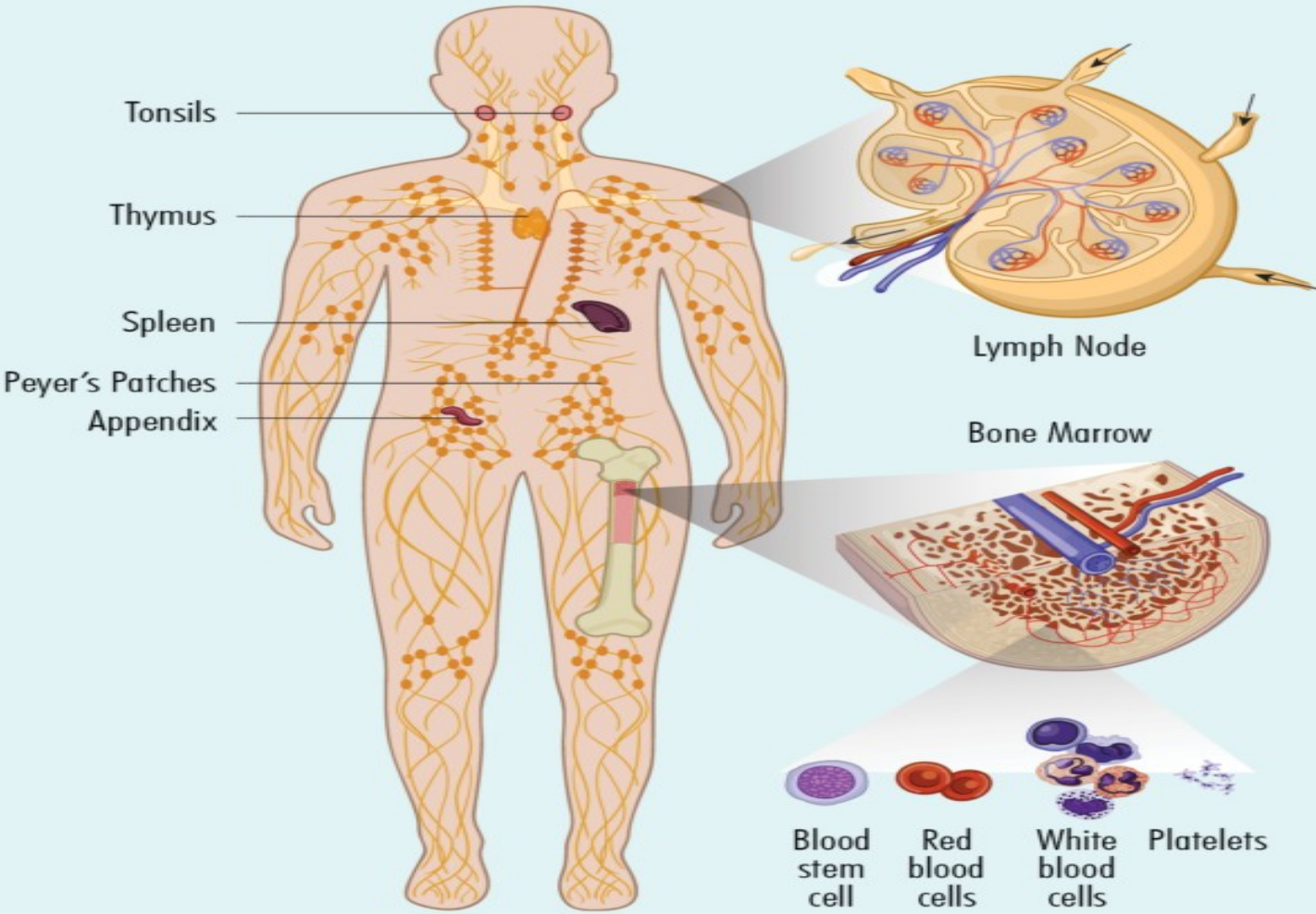
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# Pathogenesis

- 1.Chromosomal translocation
- Chromosome 14& 18
- Overexpression of BCL2(Antiapoptotic)
- 2.Mutation in KMT2D gene
- Histone methyl transferase
- Leading to epigenetic abnormalities&Change in Histone pattern

# Lymphatic System



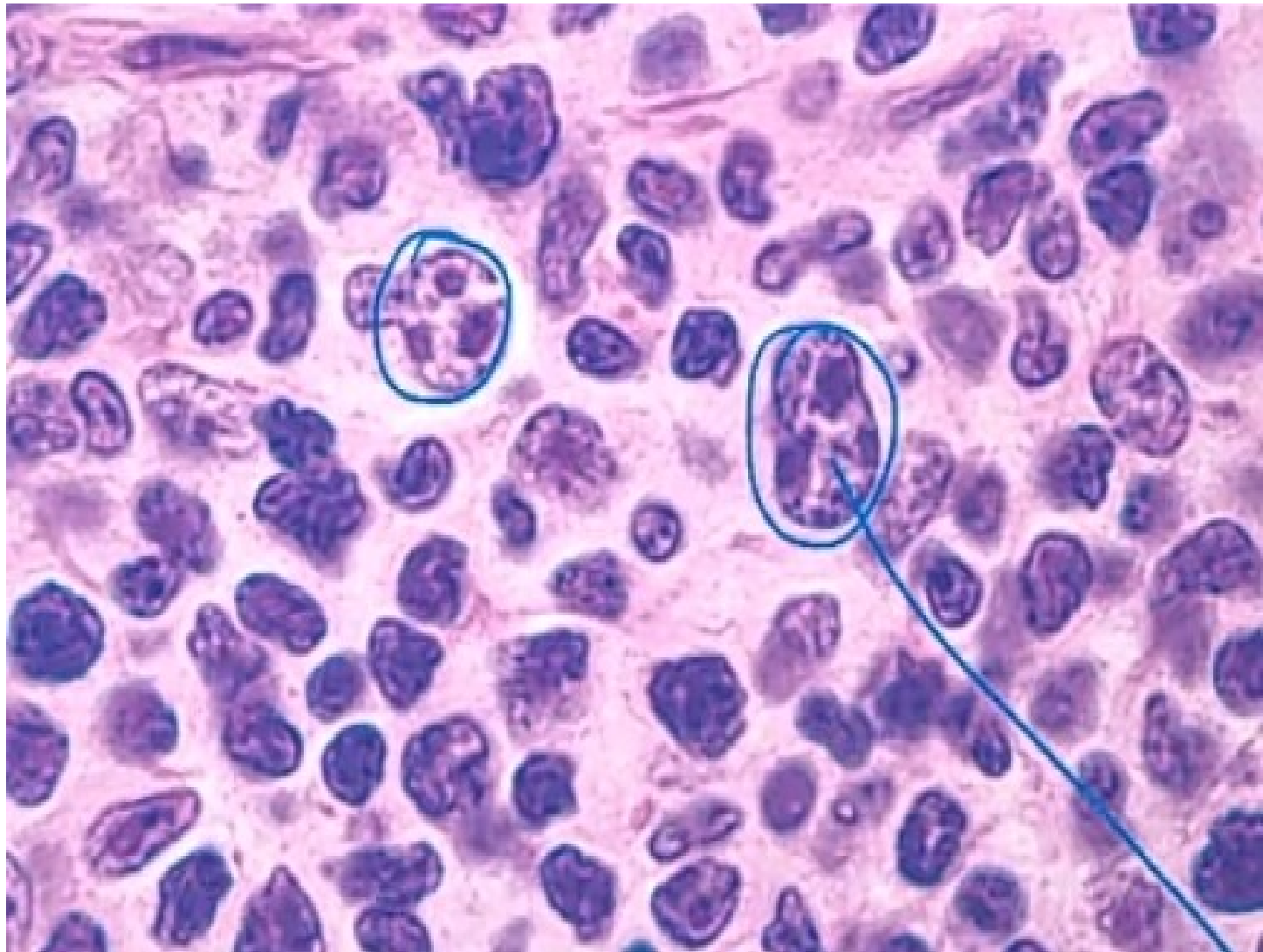
# Morphology

- Involved LN=Nodular/Nodular+Diffuse growth patterns
- LN containing main 2 cells:
  - 1. Centrocytes
  - 2. Centroblasts

# Centrocytes vs Centroblasts

- Centrocytes
  - Small cells
  - Scant cytoplasm
  - Irregular/cleaved nuclear contour aka buttock cells
- Centroblasts
  - Large cells
  - Several Nucleoli
  - Increased cytoplasm





# Bone marrow

- Paratrabecular lymphoid aggregates
- Signs & Symptoms
- 1. Anaemia
- 2. Bruising
- 3. Infections



# Immunophenotyping

- CD19+
- Cd20+
- BCL2+

# Clinical features

- Vary depending on Stage of disease
- Indolent, enlarged lymph nodes
- Fatigue
- Night sweats
- Weight loss
- Itching
- Fever
- SOB
- Generalized lymphadenopathy

# Diagnosis

- Physical Examination
- Imaging Tests
- Biopsy



Thank  
you!