

All the “most commons” and translocation mutations included in sheet 8

**1) Burkitt Lymphoma: t(8;14) MYC→ IgH**

The most common NHL in children

**2) Extra-nodal Marginal zone lymphoma**

Second most common lymphoma in extra-nodal sites in adults after DLBCL

**3) Mantle cell lymphoma: t(11;14) cyclin D1 gene→ IgH**

Most commonly in older men

**4) Small Lymphocytic lymphoma(SLL/CLL)**

CLL is the most common leukemia in adults

**5) Acute B Lymphoblastic Leukemia (B-ALL):**

B-ALL is the most common childhood malignancy

**1) Childhood B-ALL** t(12;21), involving **ETV6** and **TUNX1** genes creating new transcription factor

**2) Adult B-ALL** exhibits t(9;22) between ABL and BCR genes, similar to chronic myeloid leukemia, creating a new tyrosine kinase protein (imatinib)

**6) Plasma cell myeloma: t(11;14) cyclinD1 or cyclinD3 fusing with IgH gene**

**7) Peripheral T-Cell Lymphoma**

Most common mature T-cell lymphoma

**8) Cutaneous Lymphoma**

Most common cutaneous lymphoma