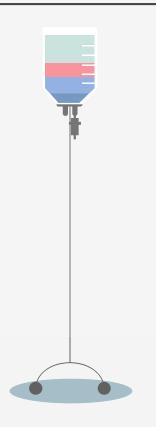


Euronet Protocol

Yousra Elmazahy



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HL Introduction, Types & Clinical presentation

Lymphoma

• Lymphoma affects a type of white blood cells known as lymphocytes. It occurs when lymphocytes grow and multiply uncontrollably.

• Lymphoma is the third most frequent childhood malignancy closely following acute leukemia and CNS tumors.

• The lymphatic system includes the Lymp, Lymph vessels, lymph nodes, spleen, thymus and bone marrow.

Hodgkin& Non Hodgkin Lymphoma

Hodgkin Lymphoma

Common Age:10-20years.

Slow growing in months to years.

40% of lymphoma.

Better prognosis.

B cell.

Treatment: Chemo, Radiation & BMT

Non Hodgkin Lymphoma

Common Age: 5-10 years.

Fast growing in weeks to months.

60% of lymphoma.

Poor prognosis.

B /T Cell.

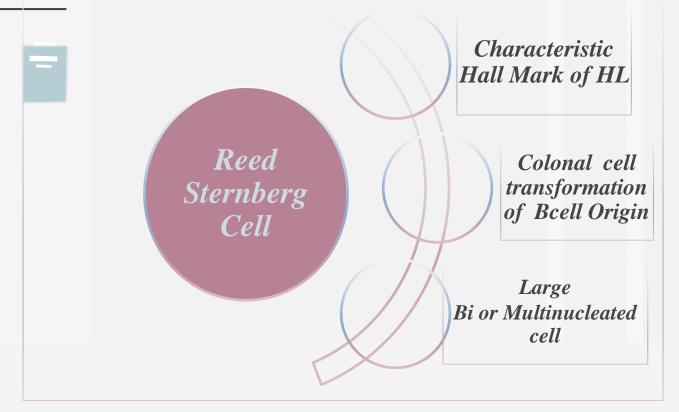
Treatment :Surgery, Chemo, Radiation & stem cell transplantation.

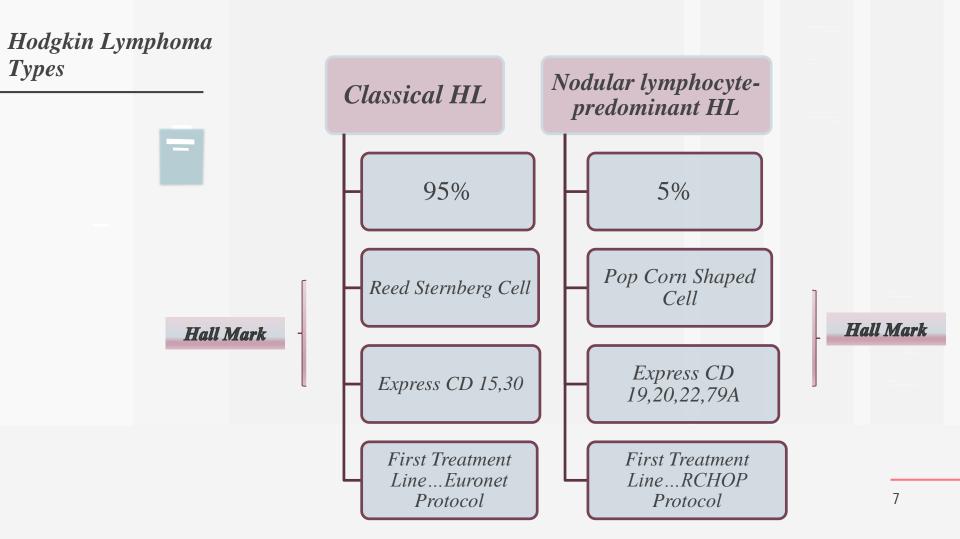
Hodgkin Lymphoma

• Hodgkin lymphoma or Hodgkin disease (HD) is a type of Lymphoma and accounts for 1% of all cancers.

- Hodgkin disease spreads predictably along lymphatic pathways and is curable in 90% of cases, depending on its stage and sub-type.
- It is malignant tumor and may travel to other parts of the body. As it progresses, it may compromise the body's ability to fight infection since it is attacking the immune system.

How Hodgkin Lymphoma is differentiated?





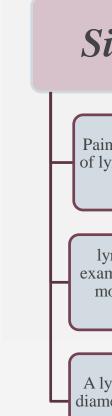
Causes & Diagnosis

Causes

Diagnosis

- Exposure to viruses such as EPV or HIV
- Family history.
- Weakened immune system.
- Autoimmune disorders.
- Smoking tobacco.
- Physical exam: doctor checks for swollen lymph nodes in the neck, underarms, swollen spleen and liver.
- Lymph node biopsy.
- PET CT for staging.
- CBC,ESR,LDH, liver function tests, kidney function & uric acid
- X-Rays: show whether the glands in the chest are enlarged.

Clinical Presentation



Signs Symptoms

Painless, Firm, enlargement of lymph node usually in the neck, underarm

lymph nodes should be examined based on the size, mobility, consistency & tenderness.

A lymph node over 1cm in diameter and firm or rubbery are considered suspicious

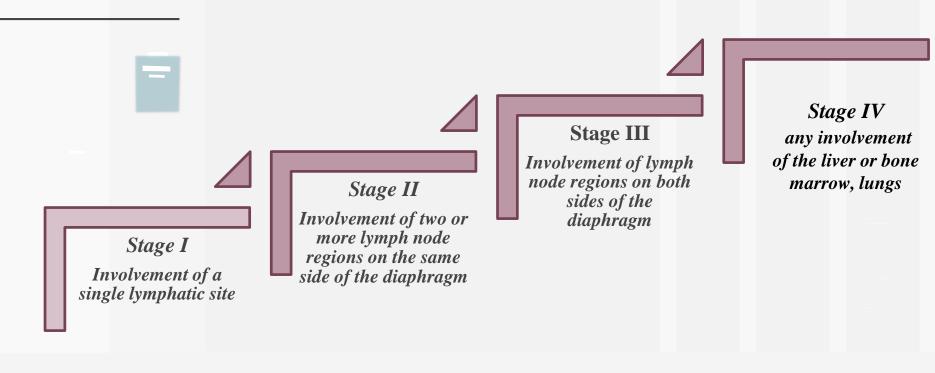
Fatigue
Swollen Lymph node
Loss of appetite
Itching

Chest symptoms
Tummy Symptoms
Low white blood
count

Fever night sweats Weight loss

B Symptoms

HL Staging



HL Staging

Doctors stage HL by looking at:

• The number of groups of lymph nodes that have lymphoma.

• Which lymph nodes have lymphoma and whether they are all above the diaphragm, all below the diaphragm or on both sides of the diaphragm.

• Whether the lymphoma is found in an organ or tissues other than lymph nodes.

• Whether the lymphoma has spread in the same area of the body or farther away.

Prognosis for HL

• About 85 to 90% of patients with limited-stage classic Hodgkin lymphoma are cured compared with 75 to 80% of patients with advanced-stage disease.

• Limited-stage disease is frequently subdivided into favorable and unfavorable prognostic groups.

• Unfavorable disease is based on risk factors, *for example*:

Presence of bulky disease

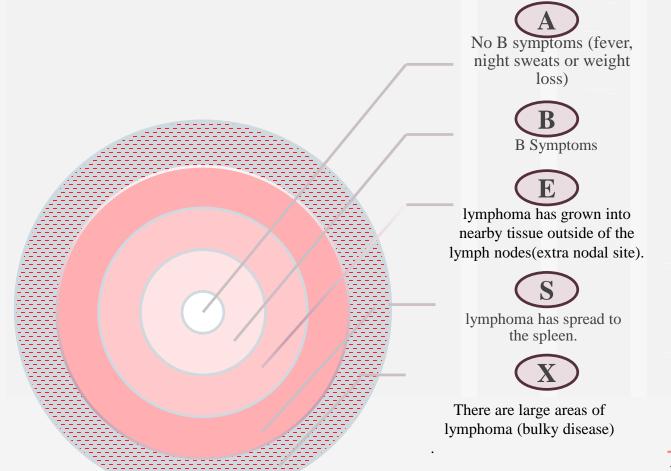
> 4 nodal sites involved

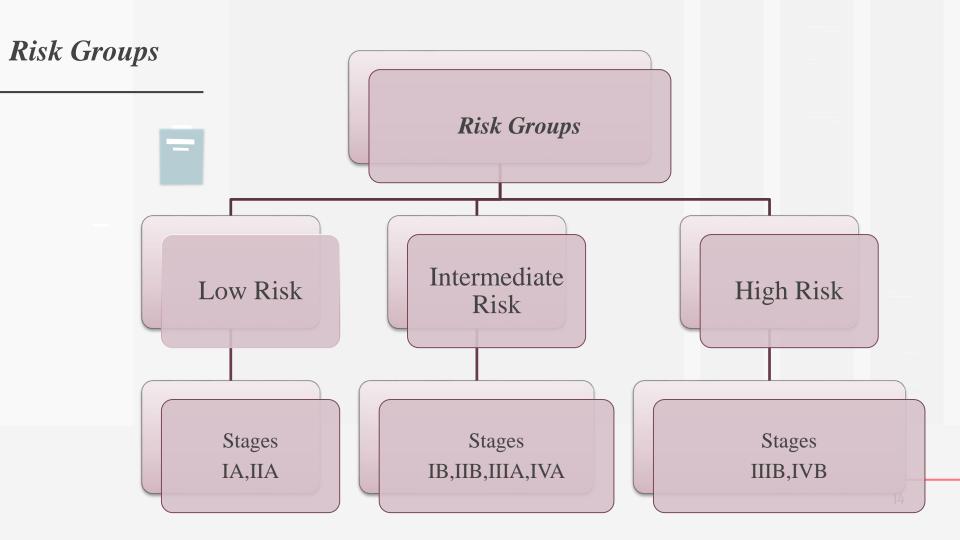
ESR> 50 mm/hour with no B symptoms OR

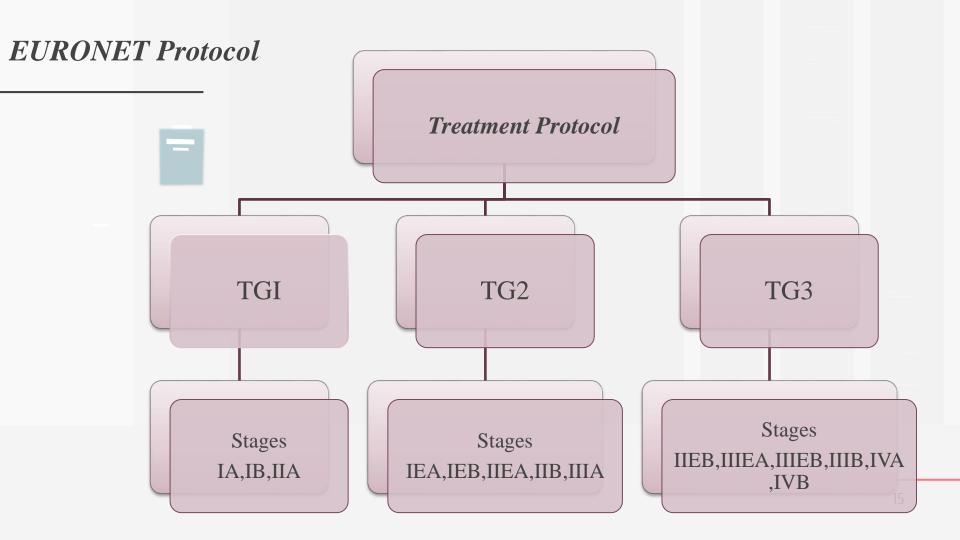
> 30 mm/hour with B symptoms

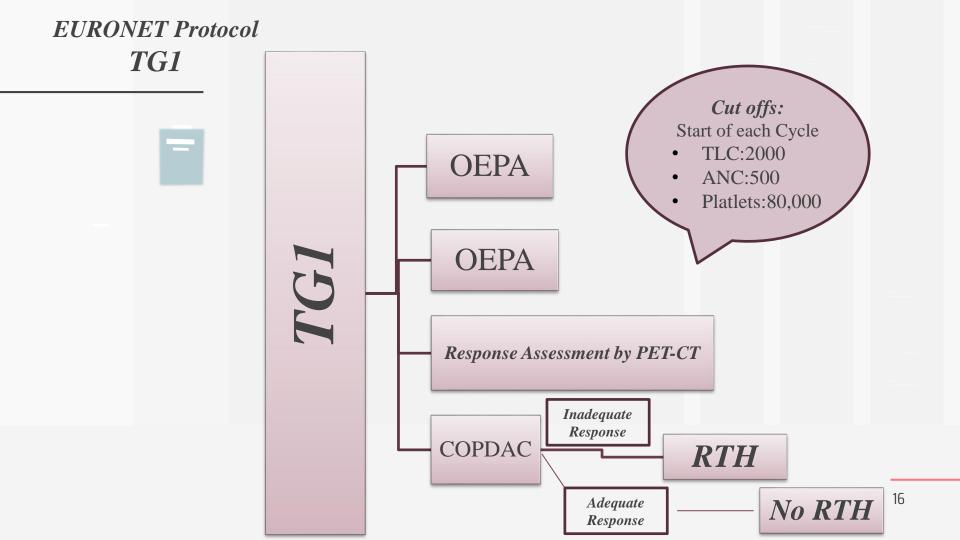
A, B, E, S & X categories

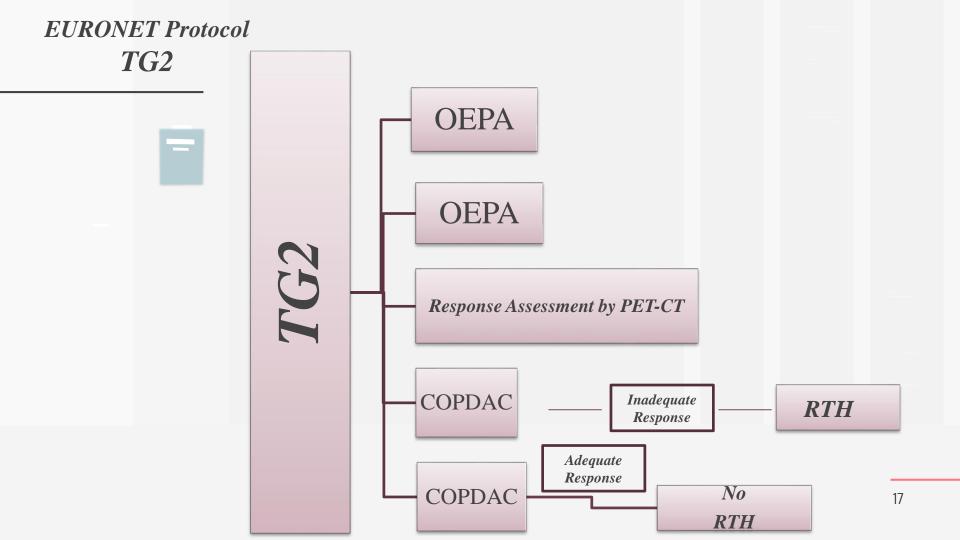


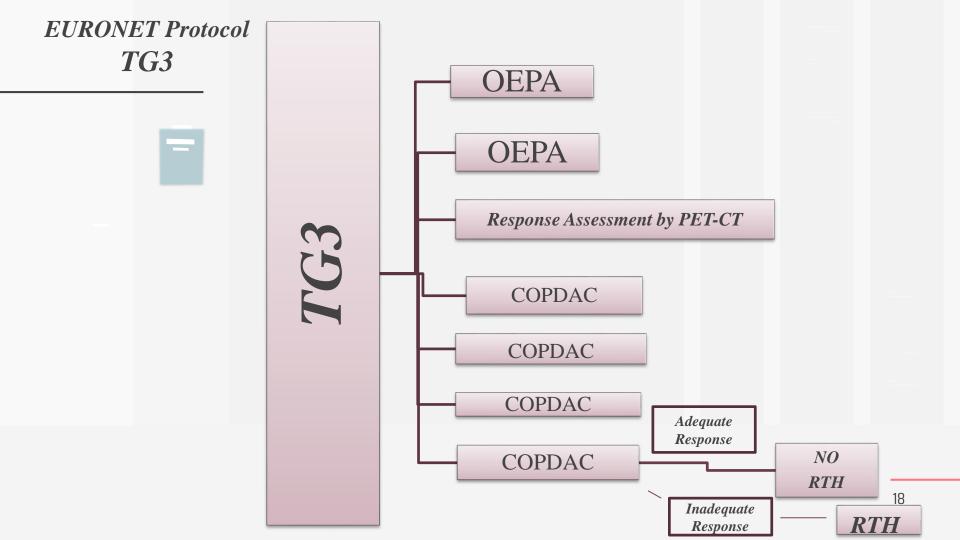












OEPA

Repeat the cycle after 2 weeks





D1D2 D3D4

D5

D8

D15 D1





















DOXO VCR

Pred.

VCR.

VCR DOXO

COPDAC



D2D1

D3





















Cyclo.

VCR

Pred.

Dacarbazine

Repeat the cycle after 3 weeks



D8



Cyclo.

VCR

Pred.

Major & Minor Check Points



Major

Initial PET CT
Pathology
Staging
Treatment group
±B symptoms
PET CT after

2*OEPA

Minor

Initial count at each cycle

Revise Echo at D1&D15 OEPA

Patient due for the upcoming cycle

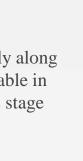
RECAP...

RECAP

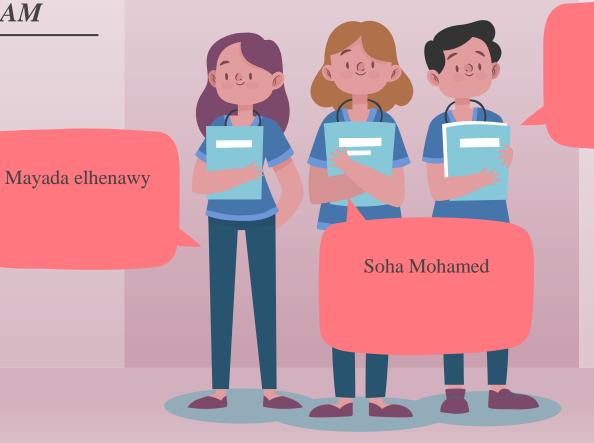
Hodgkin lymphoma is of B cell origin.

Reed-Sternberg cells is characteristic hallmark of Hodgkin lymphoma.

Hodgkin disease spreads predictably along lymphatic pathways and is curable in 90% of cases, depending on its stage and sub-type.



OUR TEAM



Louay Eldeeb