

LYMPHATIC SYSTEM

Diseases/Disorders
Berryhill & Cashion
DHO 7.9
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LYMPHATIC SYSTEM

Diseases and abnormal conditions include:

- *Adenitis*
- *Hodgkins' Disease*
- *Lymphangitis*
- *Splenomegaly*
- *Tonsillitis*

ADENITIS

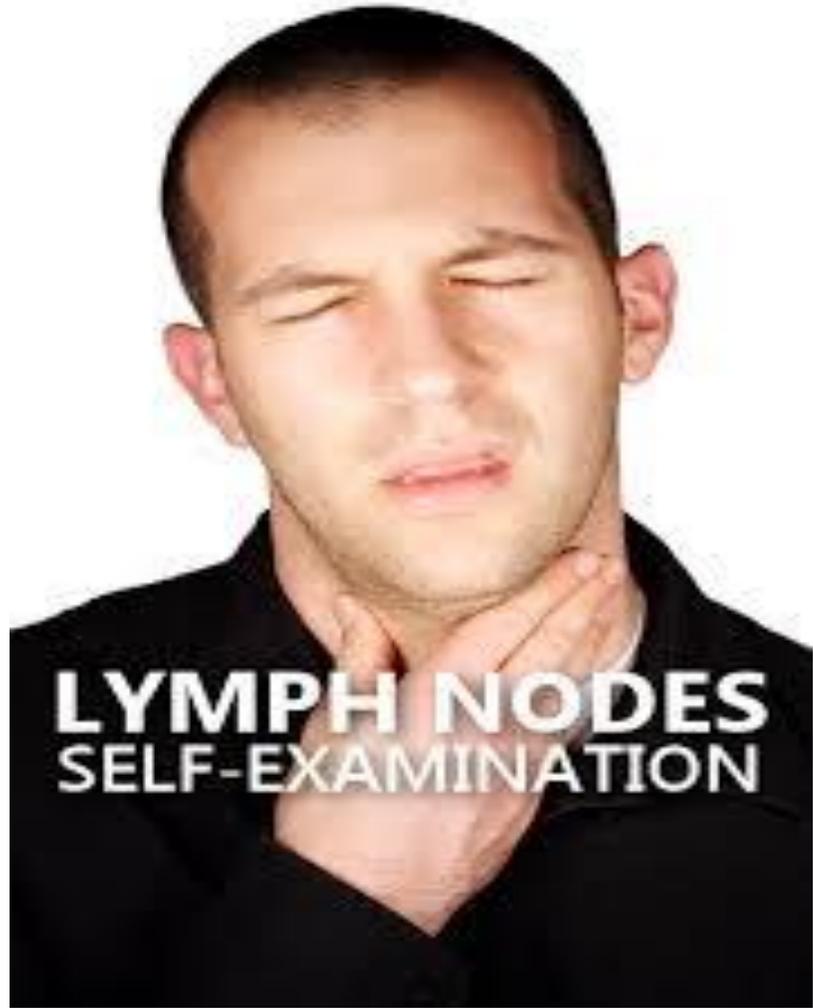
- ❖ Inflammation or infection of the lymph nodes
- ❖ Caused by large amount of harmful substances (pathogens, cancer cells) enter the lymph nodes and infect them
- ❖ **S/SX**=fever, swollen & painful nodes which if not treated can form an abscess
- ❖ **Tx**=abx & warm, moist compresses; I&D for abscess
- ❖ I&D 0:47 <https://www.youtube.com/watch?v=f19SFdC3Mp0>



HODGKIN'S DISEASE

- ❖ Chronic, malignant disease of lymph nodes
- ❖ Most common form of lymphoma (tumor of lymph tissue)
- ❖ **S/Sx**=painless swelling of nodes, fever, night sweats, weight loss, fatigue, pruritus
- ❖ **Tx**=chemotherapy, radiation

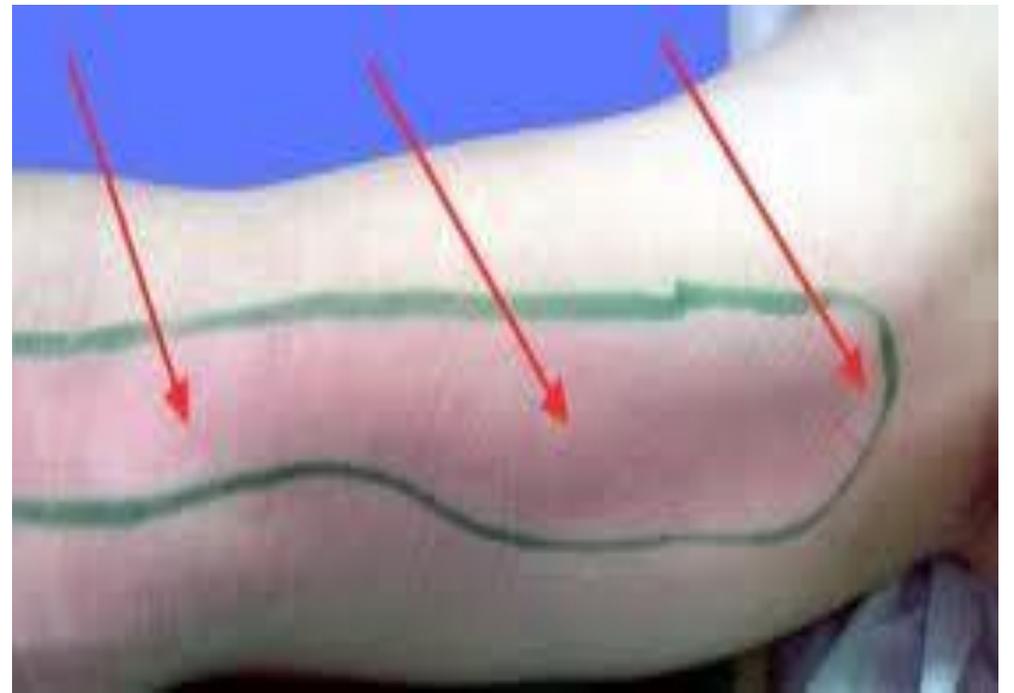
- ❖ 1:37 <https://www.youtube.com/watch?v=saYsSlSBObw>
- ❖ 5:58 <https://www.youtube.com/watch?v=bKoni1D6IDE>



LYMPHANGITIS

- ❖ Inflammation of lymphatic vessels
- ❖ Usually results from infxn in extremity
- ❖ **S/Sx**=red streak extending up an UE or LE from the source of infxn; fever, chills, tenderness or pain
- ❖ **Tx**=abx, rest, elevation of affected part; warm, moist compresses

- ❖ 2:07 <https://www.youtube.com/watch?v=R2mrSSwbLfQ>



SPLENOMEGALY

- ❖ Enlargement of spleen
- ❖ Results from abnormal accumulation of RBCs, mononucleosis, cirrhosis of the liver
- ❖ **S/Sx**=swelling, abd pain, ruptured spleen, increased destruction of RBCs leads to anemia, leukopenia, & thrombocytopenia
- ❖ If spleen ruptures it can lead to intraperitoneal hemorrhage & shock can lead to death
- ❖ **Tx**=for severe cases where cause cannot be treated splenectomy is done
- ❖ 12:21 <https://www.youtube.com/watch?v=txCYSkZlrjE>



TONSILLITIS

- ❖ Inflammation or infxn of tonsils-usually pharyngeal & palatine tonsils
- ❖ **S/Sx**=throat pain, dysphagia, fever, white or yellow spots of exudate on tonsils, swollen nodes near mandible
- ❖ **Tx**=abx, warm throat irrigations, rest, analgesics; tonsillectomy

TONSILLITIS

❖ Tonsillectomy=

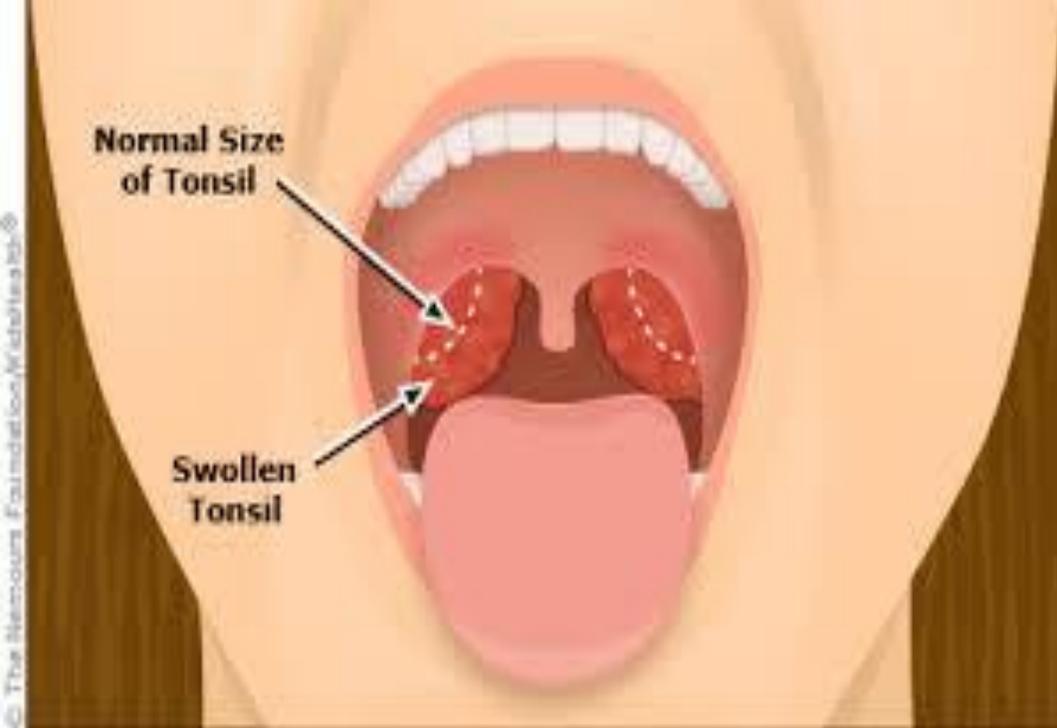
surgical removal of tonsils

❖ Used for pts with:

- ✓ chronic tonsillitis
- ✓ frequent infections
- ✓ hypertrophy (enlargement) that causes obstruction of the airway

❖ 2:47 <https://www.youtube.com/watch?v=zzXzr-zDLX8>

❖ 1:59 <https://www.youtube.com/watch?v=gzJzg4wz1p8>



TEST YOUR KNOWLEDGE

What disorder of the lymph system is classified as a malignancy?

- A) adenitis
- B) Hodgkin's disease
- C) splenomegaly
- D) tonsillitis

Correct answer: B

TEST YOUR KNOWLEDGE

Juan is a firefighter who is diagnosed with splenomegaly. Why would his doctor tell Juan he cannot go to work for a month?

- A) his is most likely contagious
- B) his throat could swell shut and block his airway
- C) If bumped in the abdomen, his spleen could rupture
- D) He cannot be exposed to others because he cannot fight infection

Correct answer: C

TEST YOUR KNOWLEDGE

What is the usual treatment for occasional bouts of tonsillitis?

- A) tonsillectomy
- B) splenectomy
- C) antibiotics and warm throat irrigations
- D) narcotic pain medication and steroids

Correct answer: C