

First Semester Basics of Surgery

CELLULITIS, ABSCESS, CARBUNCLE, FURUNCLES



Sawa University

College of health and medical techniques

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Stage: Second

جامعة ساوة الاهلية

كلية التقنيات الصحية والطبية

قسم تقنيات التخدير

المرحلة: الثانية

محاضرة رقم: 6

Lecture No. 6

نظري

Theoretical

استاذ المادة : م.م. رباب سمير كاظم

CELLULITIS

It's an acute, Diffuse bacterial infection, with severe inflammation of dermal and subcutaneous layers of the skin.



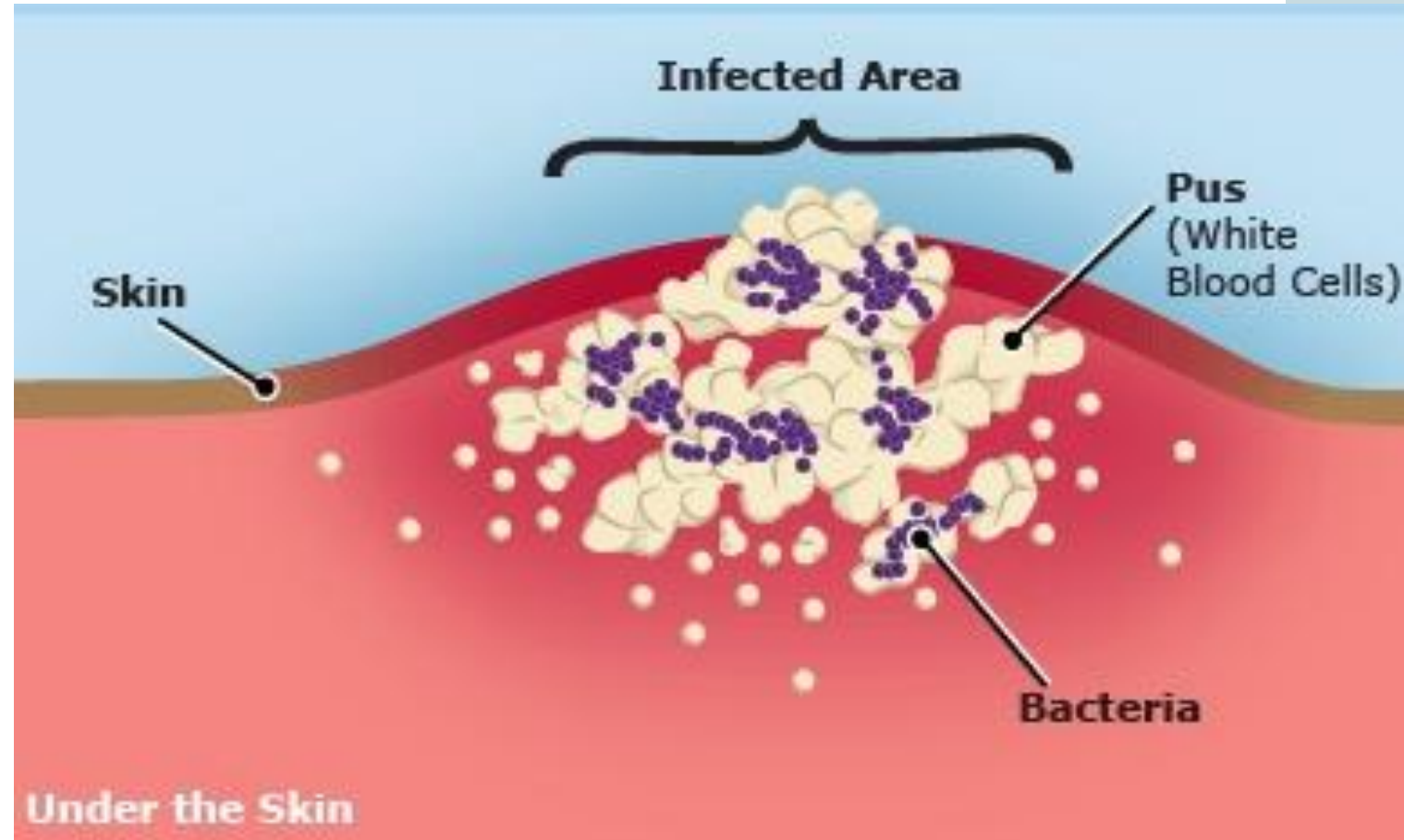
CELLULITIS

- ✓ Usually occur on the face and lower limbs (localized or cover all of it)
- ✓ Happen when bacteria gain entry into dermis through a break in skin (open wound, ulcer, animal bite), bacteria multiply and cause inflammation response
- ✓ Symptoms: pain, redness, edema, warmth, tenderness
- ✓ Treatment: apply moist warmth to promote comfort, elevate the limb, reduce infection, antibiotics.



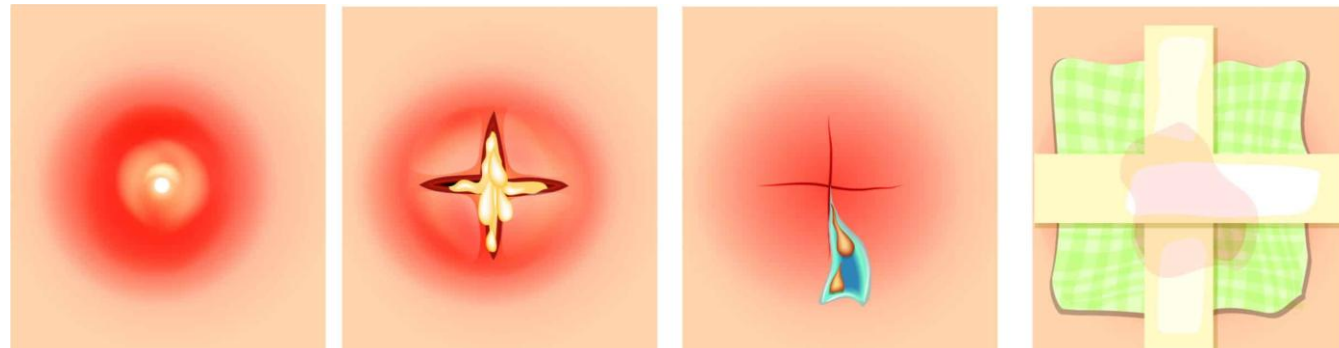
ABSCESS

is an enclosed cavity filled with Infectious accumulation Of pus (necrotic material and dead phagocytes) which is body defense reaction to forging materials.



ABSCESS

- ✓ **Local signs:** local pain and tenderness, purulent swelling, heat, redness.
- ✓ If the superficial abscess is ready to spontaneously rupture, the skin over the center of it, is thin, appearing white or yellow due to the pus.
- ✓ Treatment: drainage and curettage, antibiotic doesn't work because it can't penetrate the cavity.

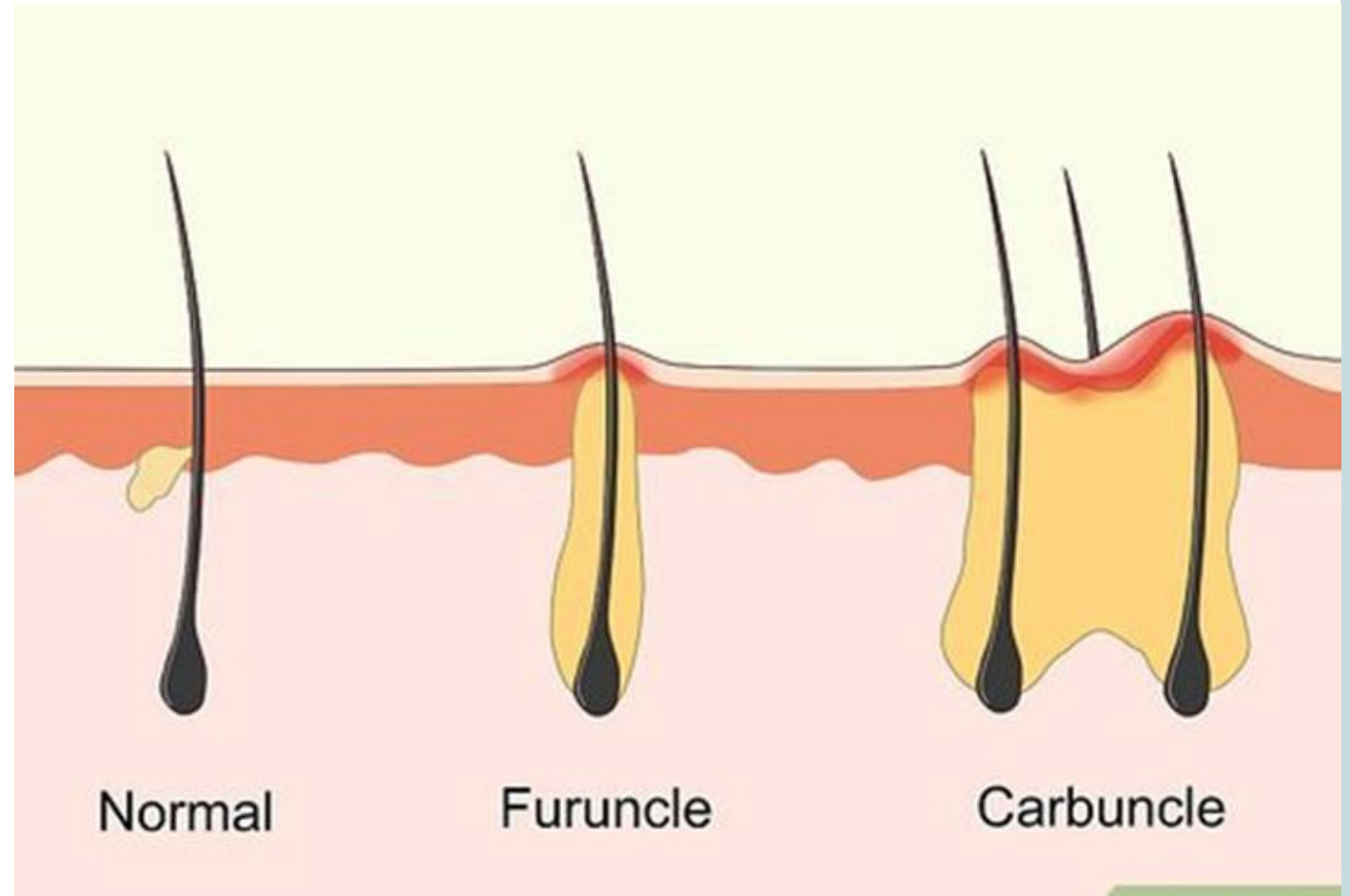


CARBUNCLE

deep seated mass of fistulous tracts between infected hair follicles. Thus it is a connection between infected hair follicles.

FURUNCLES

Cutaneous abscess and inflammation of a single hair follicles.



Furuncles

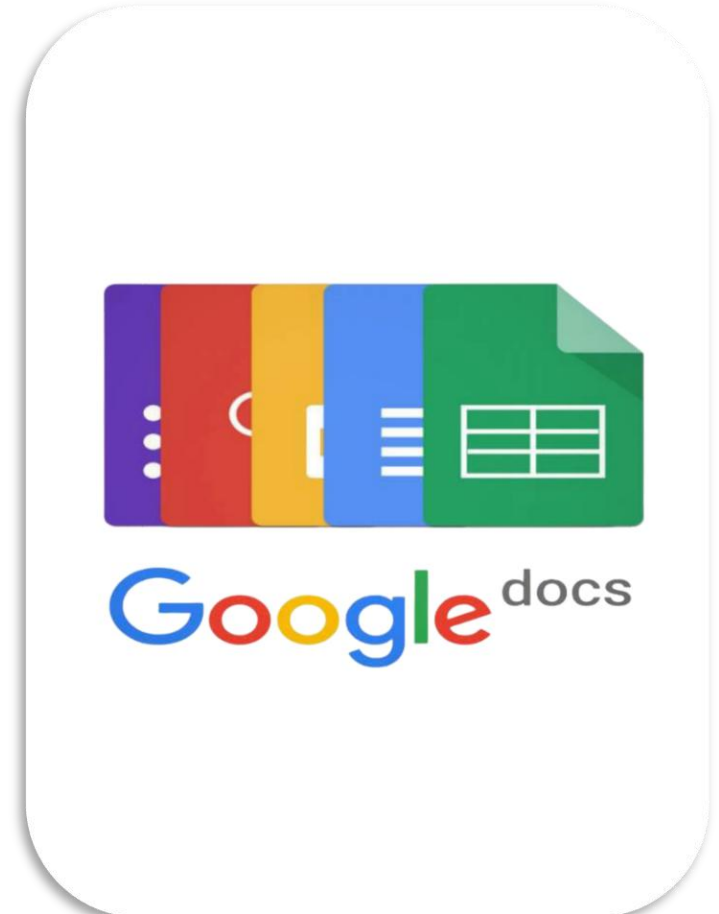
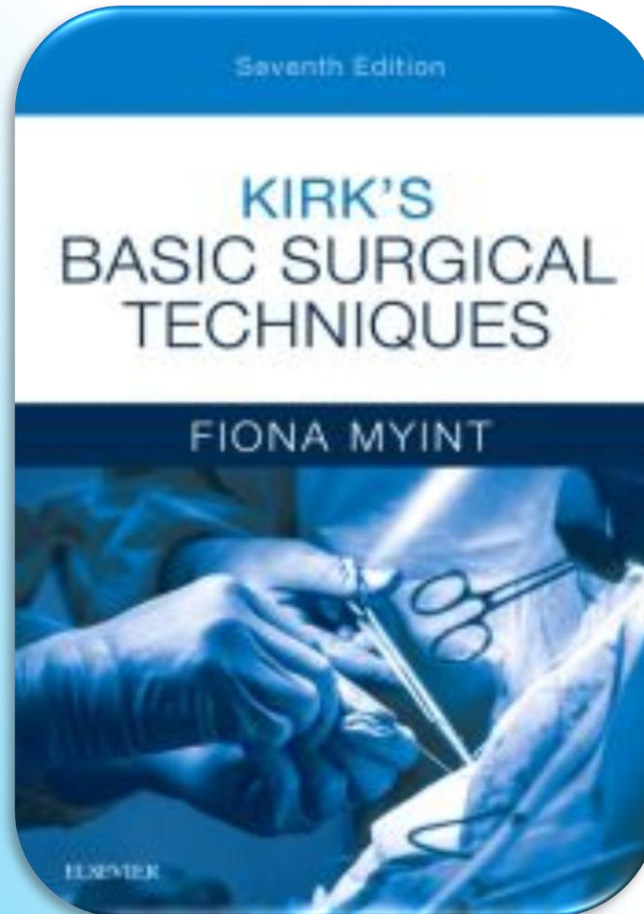
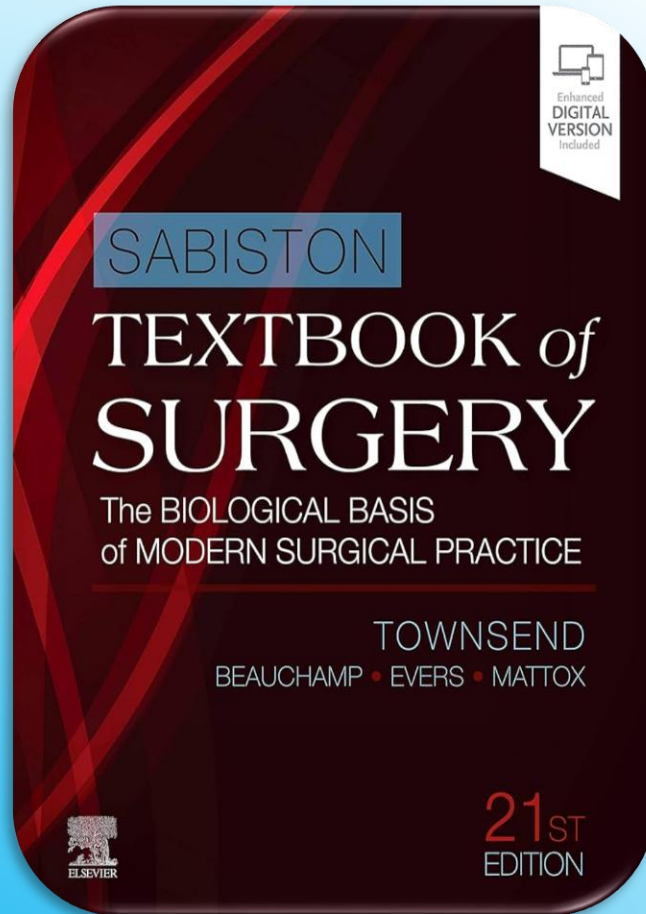
- Not as deeper as carbuncles.
- Skin abscesses that result from staphylococcal infection. They affect a hair follicle and surrounding tissue.
- Symptoms: develop rapidly as pink or red bumps, often painful, surrounding skin is typically red, inflamed and tender.
- may go away without any intervention. Sometimes they burst and heal without a scar within 2 days to 3 weeks.

carbuncle

- Its a deeper skin infection because it involves a group of infected hair follicles in one skin location.
- groups of furuncles that join together under the skin. They affect the deeper layers, and they can lead to scarring.
- Symptoms: usually has one or more openings that drain pus onto the skin, The infection may lead to generalized body symptoms, including a fever and a general feeling of being unwell, weak, and exhausted.
- The risk of scarring is higher, and they take longer to develop and to resolve than furuncles.



REFERENCES



Basic surgical technique, Fiona Myint, seventh edition
Text book of surgery, COURTNEY M. TOWNSEND, JR., MD, 21 edition, 2022



THANK YOU

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