



Topic 4

Case Study of Simple Sutures



Lecturer: Wanpen Waelveerakup, RN, Dr.PH
Faculty of Nursing
Nakhon Pathom Rajabhat University



Lesson objectives

By the end of the topic students should be able to:-

- describe how to perform simple suture
- **provide primary medical prescription** according to context of a case study



Case study

- A 22-year-old male presents to the emergency department by oneself.
- He is bleeding from the volar aspect of his right forearm. He had a car accident and the object in his vehicle sharp and injures his forearm for 4 hours before.
- He denies head injury or other blunt trauma.
- He is allergic to penicillin.
- He has injected a full of course of tetanus toxoid 3 years ago.

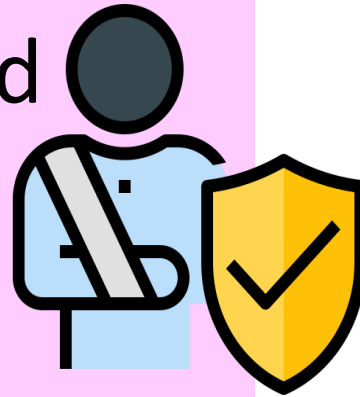
Case study : PE

- ❖ The patient is awake, alert,
- ❖ The patient's temperature is 36.6 °C, BP=130/80 mmHg
- ❖ Her heart rate is 82, respiratory rate is 18,
- ❖ The patient's heart has regular rate and rhythm,
- ❖ His lungs are clear to auscultation bilaterally.
There are no wheezes, or gallops.
- ❖ On the right forearm, there is a lacerated wound size 0.5x5x1
CMs.
- ❖ The right forearm swelling and bleeding but no limited of
range of motion.

Problems : signs & symptoms

extract

- ❖ Lacerated wound size 0.5x5x1 CMs. for 4 hours
- ❖ Right forearm swelling and bleeding
- ❖ Penicillin sensitivity
- ❖ Injected tetanus toxoid for 3 years ago



Caring procedures

- Close wound:
simple suture
- Stop bleeding, clean and close wound
- Avoiding prescription Penicillin
- Activation vaccine

SCOPE OF PRACTICE



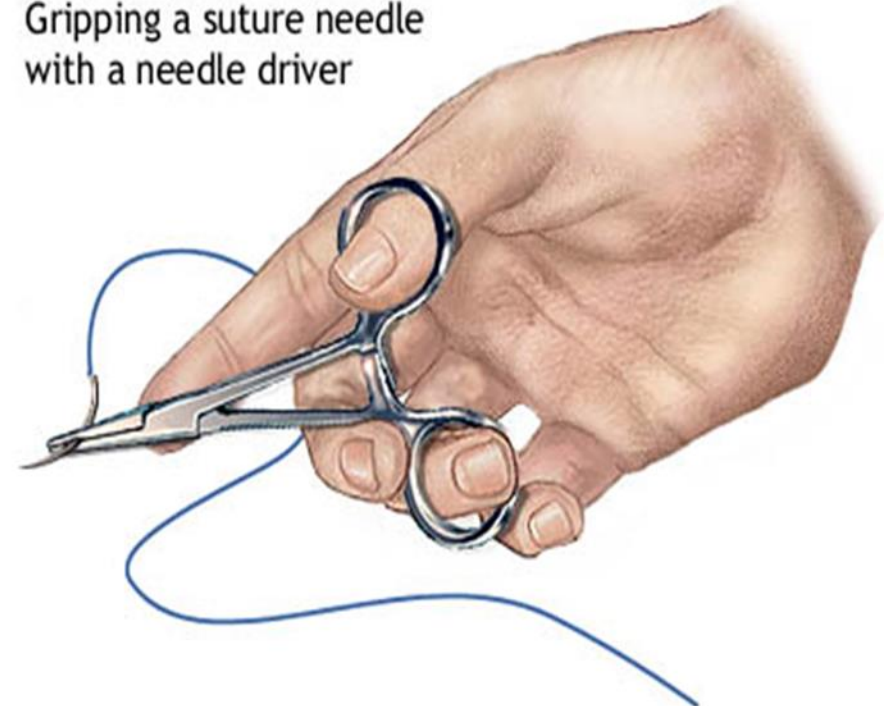
Simple suture – is used to close wounds using a suture.

<https://www.youtube.com/watch?v=z8oWv-nVO6g>



Picture available from
<https://jamaicahospital.org/newsletter/wpcontent/uploads/2016/04/Sutures.jpg>

Gripping a suture needle
with a needle driver



adam.com



Simple Suture Demonstration

Medication Treatment

Injection tetanus toxoid for 1 dose

Take home medication: Penicillin sensitivity

➤ Antibiotic for 5 days:



Roxithromycin sig 300 mg per oral once time per day **or divided** into 2 times a day on an empty stomach.

➤ Pain killer : Paracetamol (500 mg) sig 1 tab prn. for pain or fever q 6–8 hrs.

Goldberg C., (2018). Practical Guide to Clinical Medicine.

Available from <https://meded.ucsd.edu/clinicalmed/history.html>



Summary

- A patient with a lacerated wound from a car accident for 4 hours before admission
- The wound was cared for by performing basic sutures that help to stop bleeding and promote healing of the wound.
- The primary medical prescriptions and care for a client are antibiotics for 5 days and pain killer.
- To prevent tetanus, the tetanus toxoid vaccine was injected.



Thank You!



Email: wanpenw@webmail.npru.ac.th