

ANTIPYRETICS AND NONSTEROIOD-ANTIINFLAMMATORY DRUGS (NSAIDS)

Attarat Pattanawongsa

School of Pharmacy, Walailak University, Thasala, Nakhon Si Thammarat, Thailand, 80160.

Overview

This topic will be used to teach Pharmacy student year 3 in a Pharmacology course. The time consumption is 2 hours. Jigsaw and card game will be used to activate learning from students. These methods can lead to sharing and fixing any gaps of information and also making enjoyable environment in the classroom.



Activity

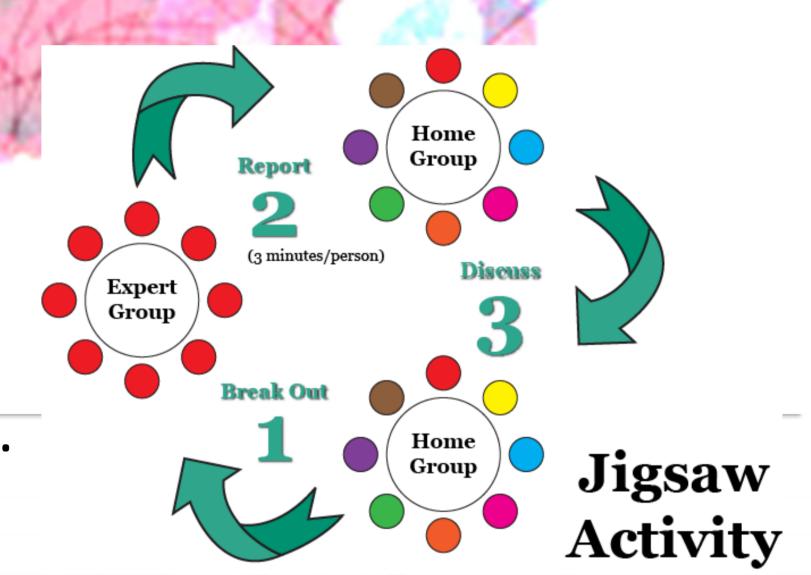
Jigsaw and card activities are applied for the topic.

- Step 1: Students are separated into a small group (perhaps 7-8 people/group)
- **Step 2:** Students in each group will receive a case study or a short article or matching cards containing the used medicines.
- Step 3: Group discussion is observed.
- During step 1-3 individual performance and group working will be assessed.
- **Step 4:** Group representative moves to another group to share and gain some more information.
- Step 5: Given feedbacks to students are performed and also to teacher.
- Step 6: At the end of this session, student will be evaluated with written examination

Aims and objectives

- 1. To create a teamwork and fulfill information of each group.
- 2. To promote learning responsibility to distribute to others.
- 3. To contribute relaxing classroom.





Outcome

- ☐ Students understand and improve teamwork skill.
- ☐ Students can develop and improve knowledge skill.
- ☐ Students enjoy the learning process and content during this session and keep learning a knowledge involving in a relevant topic.
- ☐ Leadership may be observed during this session. That is because of group work.
- ☐ Debate is also precipitated due to sharing of information.

Future development

- > Other innovations may be required (e.g. problem-based learning).
- ➤ Different approaches may be applied get all desired and limit unexpected outcomes.

Impact

Students require presentation. That is to wrap up and check detail of information. Some student may have lack of active learning. That causes missing of topic content during sharing process.

Reference

- Charles FL, et al (2016). Drug information handbook, 25th ed,. Lexi comp Inc.
- Grosser T, Smyth E, FitzGerald G (2018). Goodman & Gilman's The Pharmacological Basis of Therapeutics: Pharmacotherapy of Inflammation, Fever, Pain, and Gout, 13rd ed. McGraw-Hill: New York.
- Klopas A et al (1998), J Pharm Biomed Anal. 17(3):515-24.
- Negm AA and Furst DE (2018). Basic & Clinical Pharmacology: Nonsteroidal Anti-Inflammatory Drugs, Disease-Modifying Antirheumatic Drugs, Nonopioid Analgesics, & Drugs Used in Gout. 14th edn. McGraw-Hill: New York.
- Zidar N et al (2009), J. Cell. Mol. Med., 13(9B): 3753–3763.