Teaching and Learning Seminar Series   Fall 2017

Classroom assessment techniques (CATs)

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Learning objectives

1. To define CATs.

2. To learn low-risk CATs that you can implement in your course.

3. To implement at least one new CAT in your course.

Definition of CATs

- Simple, in-class activities to assess student understanding of content.
- Ongoing.
- Non-graded or graded.

Benefits of CATs

- Just-in-time feedback on teaching and learning.

- Help student monitor and reflect on learning.

- Help faculty monitor student learning and reflect on teaching.

- Help faculty make changes in content and teaching.

Some CATs

- Knowledge rating (example)
- Muddiest point
- One sentence summary
- Minute paper
- Focused listing
- Directed paraphrasing (example)
- Memory matrix (example)

Concepts	Know it well (3)	Have heard about it (2)	Have no clue (1)

Example: Directed paraphrasing

In one ore two sentences, paraphrase what you have learned about hospice care to inform a dying, but still lucid, patient of its possible advantages over hospital or home care. (p.233; Angelo & Cross, 1993).

Source: Angelo, T.A. and Cross, K.P. (1993) *Classroom Assessment Techniques: A Handbook for College Teachers*, Second Edition, San Francisco: Jossey-Bass Publishers.

Example: Memory matrix

	Structure	Functions	Enzymes
Esophagus			
Stomach			
Liver			
Pancreas			
Mouth			

Source: Angelo, T.A. and Cross, K.P. (1993) *Classroom Assessment Techniques: A Handbook for College Teachers*, Second Edition, San Francisco: Jossey-Bass Publishers.

Some CATs (continued)

- 3-2-1 strategy
  - 3 most important thing I have learned today.
  - 2 ideas for application in clinic; 2 facts that surprise me.
  - 1 more question I still have; 1 more thing I want to learn about this topic.

- Web-based tools
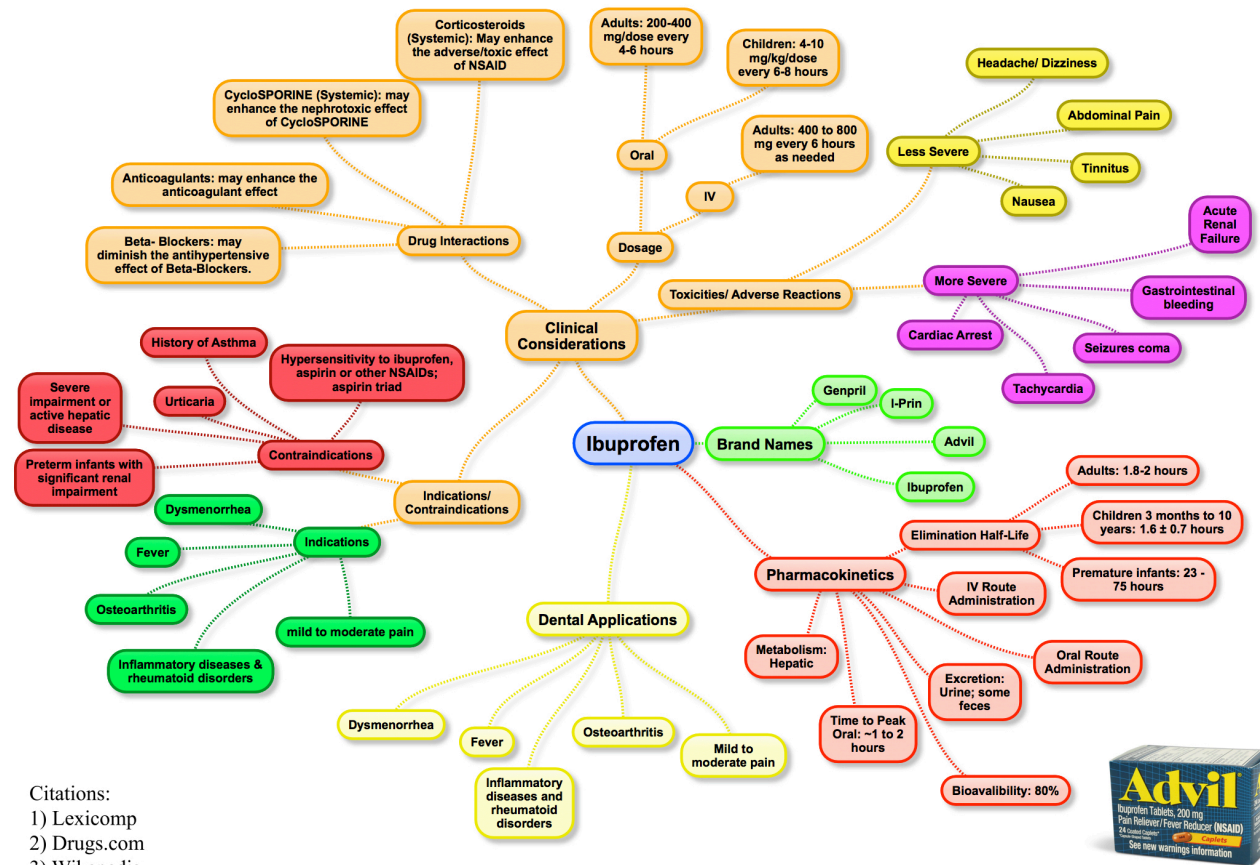 - Canvas (discussion forum); Padlet virtual whiteboard.
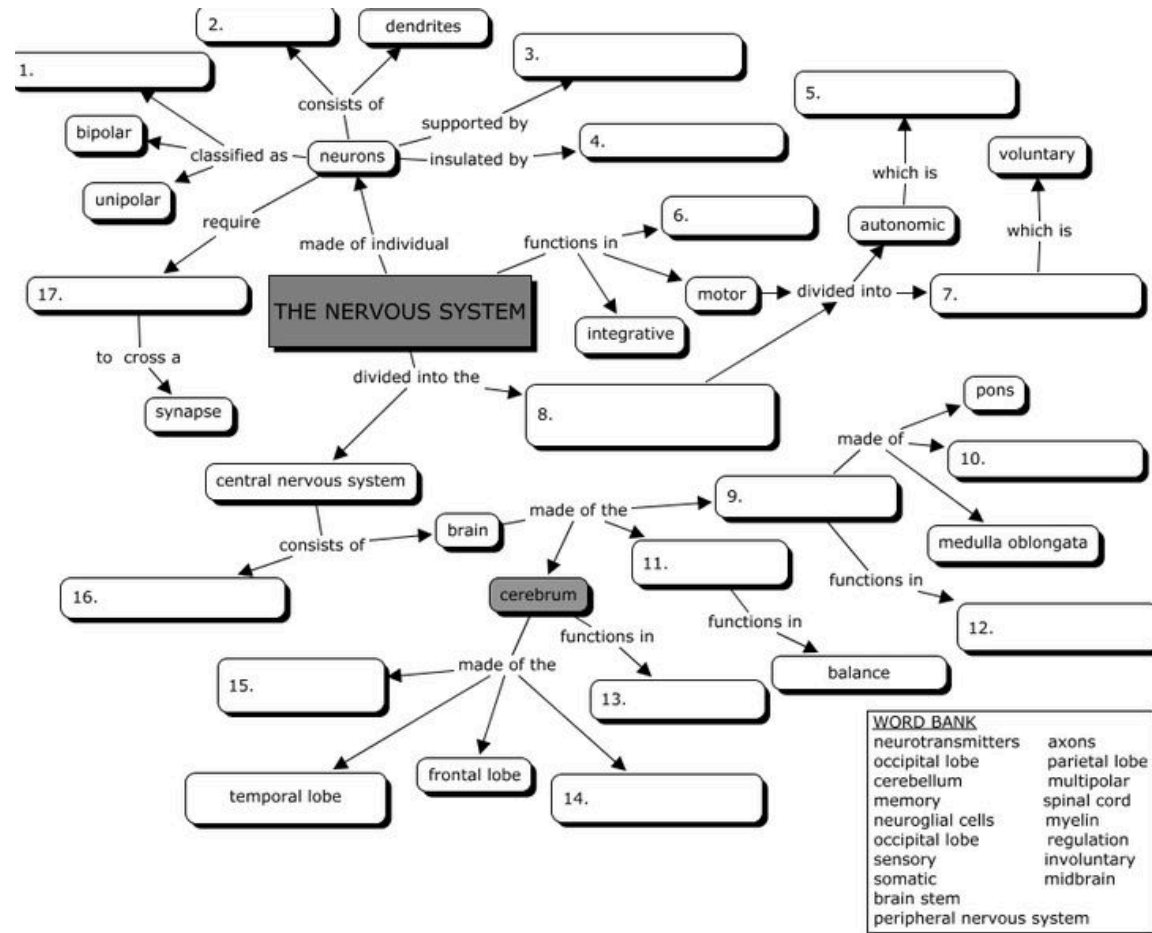
Some CATs (continued)

- Polleverywhere

- Gameplay (examples)
  - Jeopardylabs.com; Flipquiz.me

- Concept maps (examples)
  - Visual representation of concepts and the hierarchical relationship between them.
  - Mindmeister.com; Mindmaple.com

Example: Concept map

Citations:
1) Lexicomp
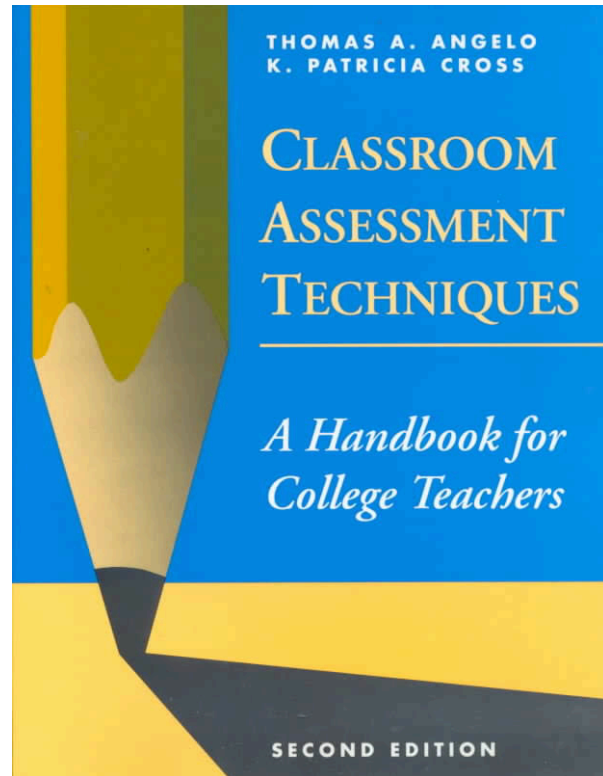2) Drugs.com
3) Wikepedia

Example: Concept map

Some practical tips

- Give students the rationale .

- Tell students how you will use the information.

- Start simple and small.

- Don't overwhelm yourself and students.

- Close the feedback loop in a timely manner.

Digging deeper

Teaching and Learning Seminar Series Canvas Site!

Angelo, T.A. and Cross, K.P. (1993) *Classroom Assessment Techniques: A Handbook for College Teachers*, Second Edition, San Francisco: Jossey-Bass Publishers.

3-2-1 reflection activity

Post on the Padlet virtual whiteboard on the *Teaching and Learning Seminar Series Canvas site*:

- 3 most important things learned today.

- 2 ideas for application in your course.

- 1 more thing you want to learn about CATs.