

What Does Adult Learning Theory Mean to You?

OBJ ECTIVES

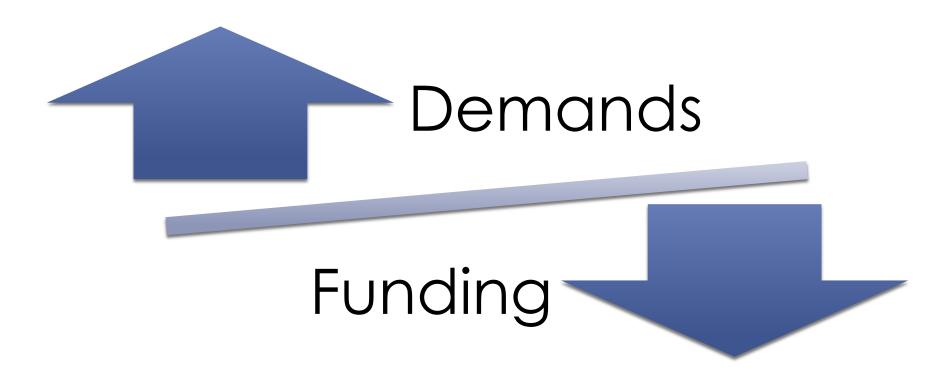
Share the history of adult learning theory

2

Define pedagogy and andragogy 3

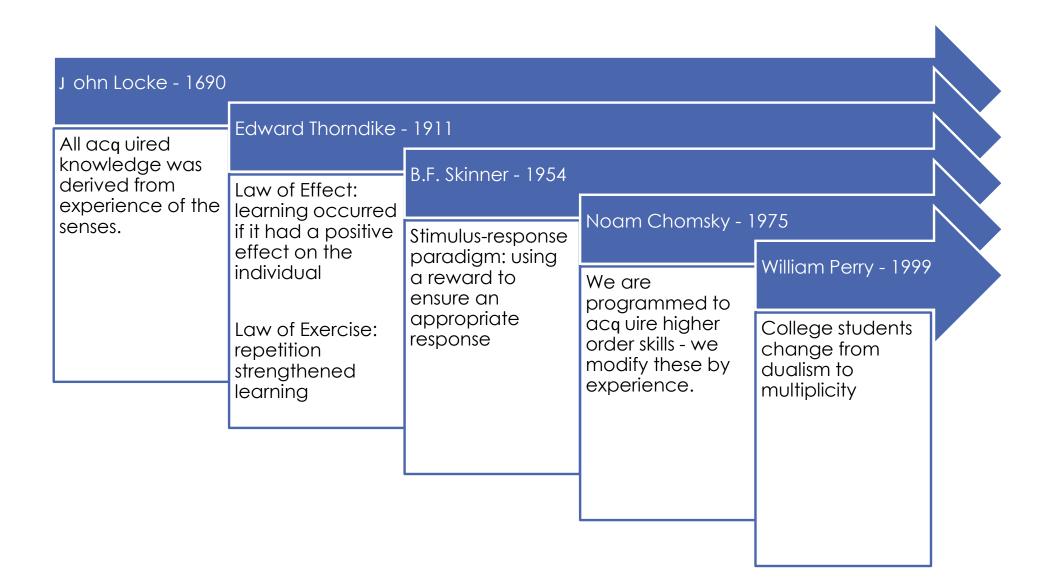
Discuss characteristics of the adult learner 4

Outline some tips for effective instruction "THE WORK OF IMPROVING MEDICAL EDUCATION KNOWS NO END" – DR. EDWARD BUCKLEY 2003



MEDICAL EDUCATORS MUST ADJ UST OUR CURRICULA TO ACHIEVE THE MOST VALUE FOR A SHRINKING EDUCATIONAL DOLLAR

HISTORY OF ADULT LEARNING THEORY



WILLIAM PERRY'S SCHEME

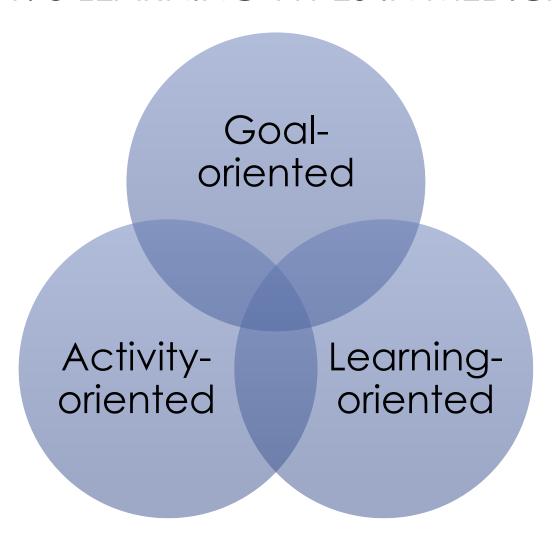
<u>Dualism</u>: knowledge is received, not questioned

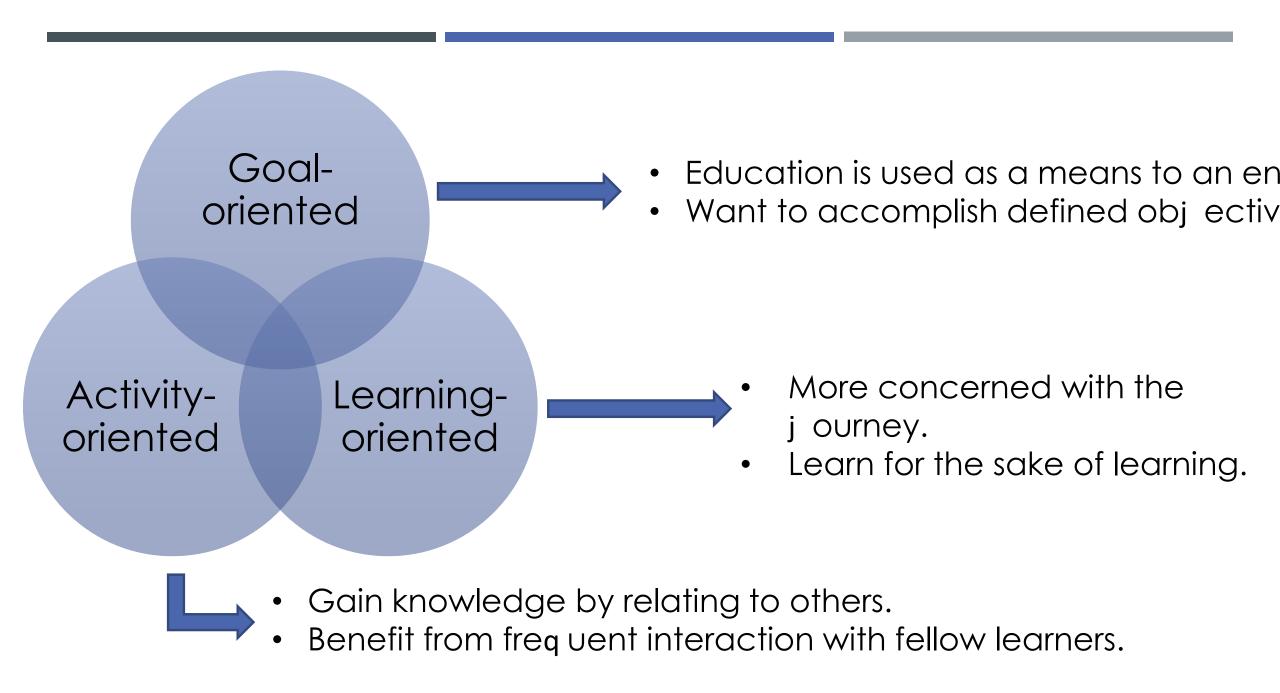
<u>Multiplicity</u>: there may be more than one right answer; student's opinions matter

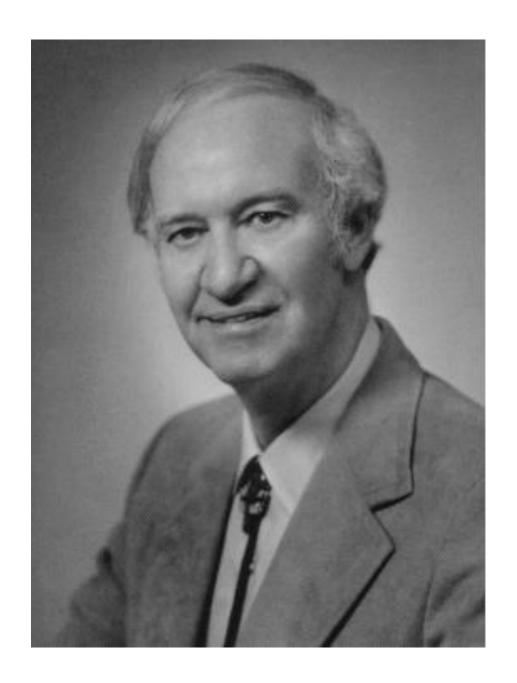
<u>Relativism</u>: knowledge is seen as contextual, even experts are subject to scrutiny

<u>Commitment</u>: integration of knowledge from other sources with personal experience and reflection

CYRIL HOULE 1961: 3 LEARNING TYPES IN MEDICAL EDUCATION







THE MODERN PRACTICE OF ADULT EDUCATION: ANDRAGOGY VS PEDAGOGY

- MALCOLM KNOWLES 1970

- 1940: Director of Adult Education at the YMCA in Boston
- 1960: Associate Professor of Adult Education at Boston University
- 1974: Professor of Education at NC State University

PEDAGOGY

Dependent on teacher

Experience is of little worth

Subj ect-centered learning

Postponed application

Teacher diagnoses needs, develops objectives and evaluates students

ANDRAGOGY

Increasing self-directiveness

Learners a rich source for learning

Problem-centered learning

Immediacy of application

Mutual self-diagnosis, mutual negotiation and mutual measurement

PEDAGOGY	ASSUMPTION	ANDRAGOGY
Less concerned with the reason they need to learn information	The need to know	Need to know whey they are learning
"I am dependent on the teacher"	The learner's self-concept	"I am responsible for my own learning"
Fewer experiences from which to draw	The role of experience	Wide differences between learners enriches experience
May be less ready to learn	Readiness to learn	Understand the need for new knowledge and skills to address real-life situations
Subj ect- or content-centered	Orientation to learning	Life-, task-, or problem- centered
External grades, instructor, peer or parent approval	Motivation	Internal: self-esteem, j ob satisfaction, q uality of life

Lecture

Reading

Audio-visual

Demonstration

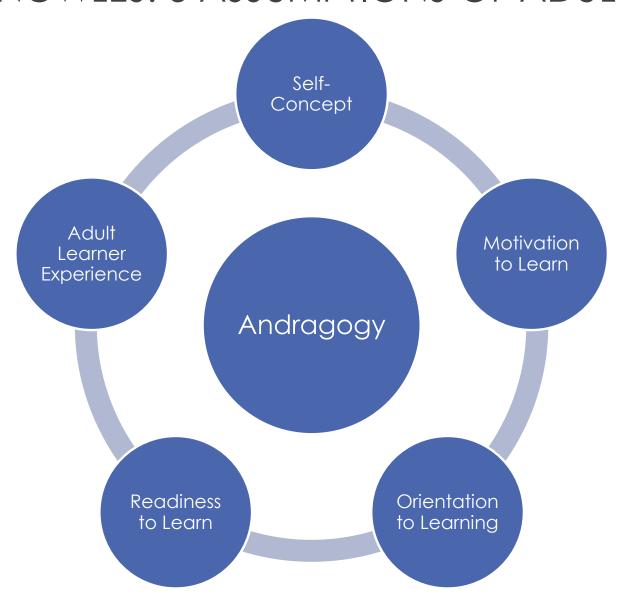
Discussion Group

Practice by doing

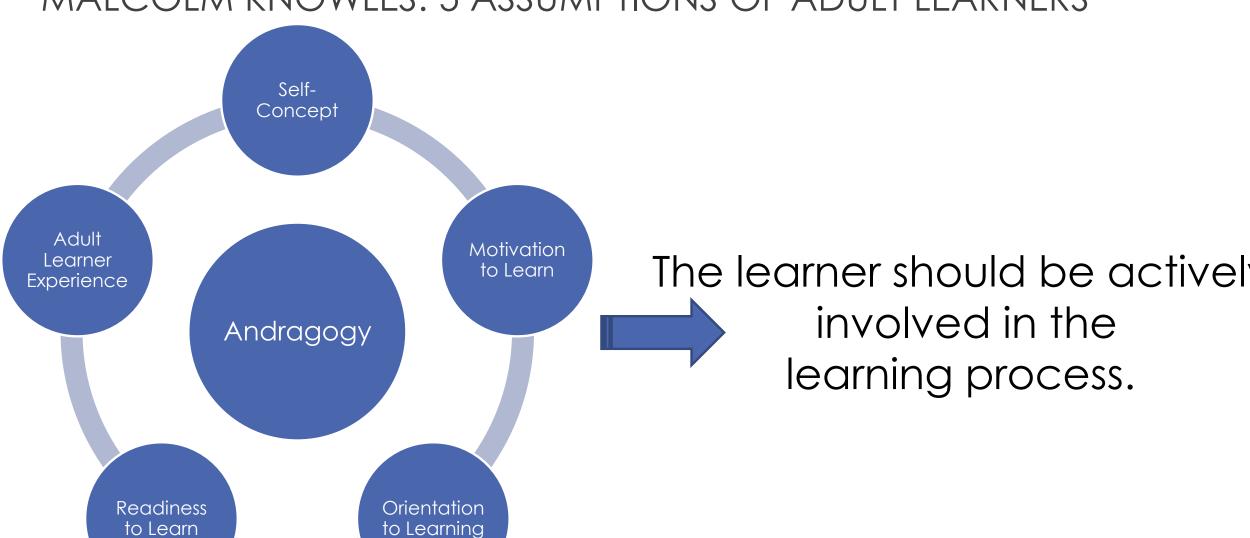
Teach others/Immediate Use



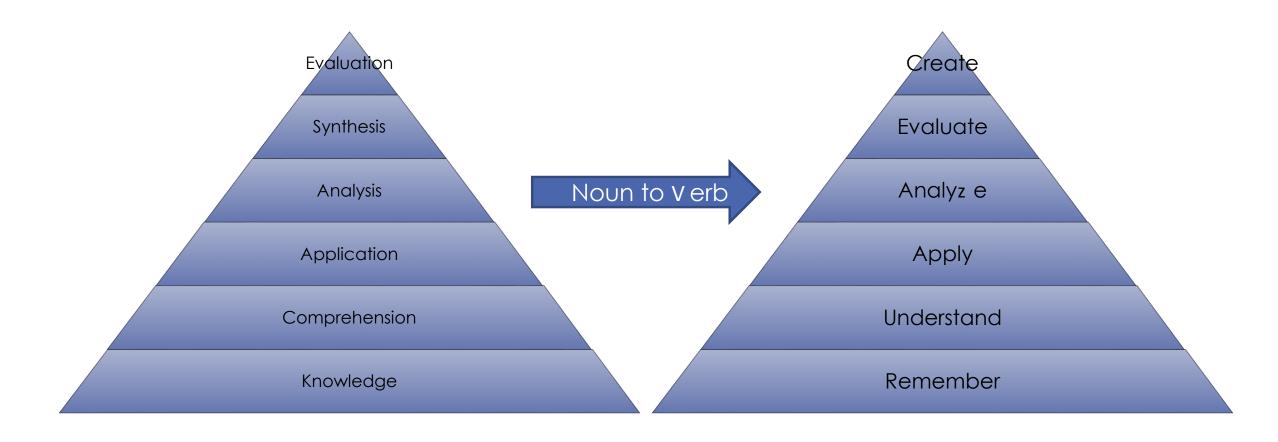
MALCOLM KNOWLES: 5 ASSUMPTIONS OF ADULT LEARNERS



MALCOLM KNOWLES: 5 ASSUMPTIONS OF ADULT LEARNERS



BLOOM'S TAXONOMY 1956 → 2001



MILLER'S PYRAMID – 1990

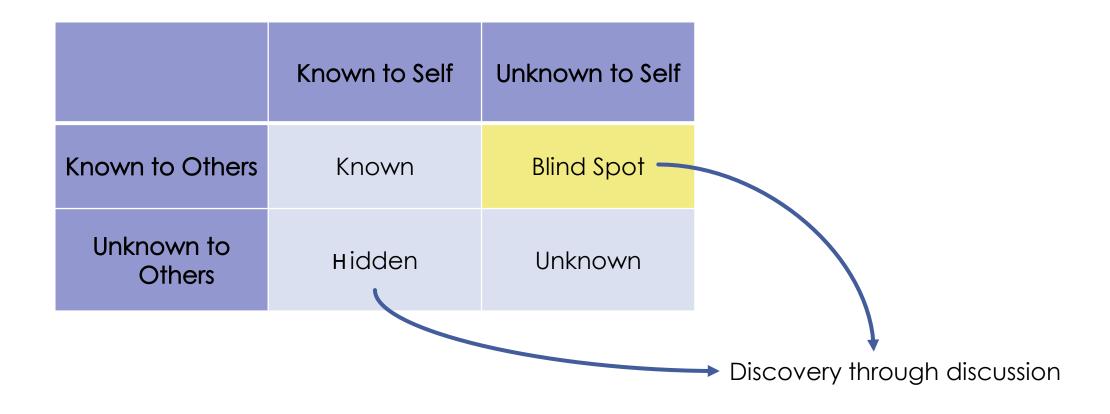
Does (Action)

Shows how (Performance)

Knows how (Competence)

Knows (Knowledge)

J OHARI WINDOW



Luft, J.; Ingham, H. (1955). *Proceedings of th western training laboratory in group*



Adults need to know why they are learning; how will it affect them?



Adults are autonomous and selfdirected

CHARACTERISTICS OF ADULT LEARNERS



Adults have a lifetime of experience



Adults use a hands-on problem-solving approach to learning



Adults want to apply new knowledge and skills immediately



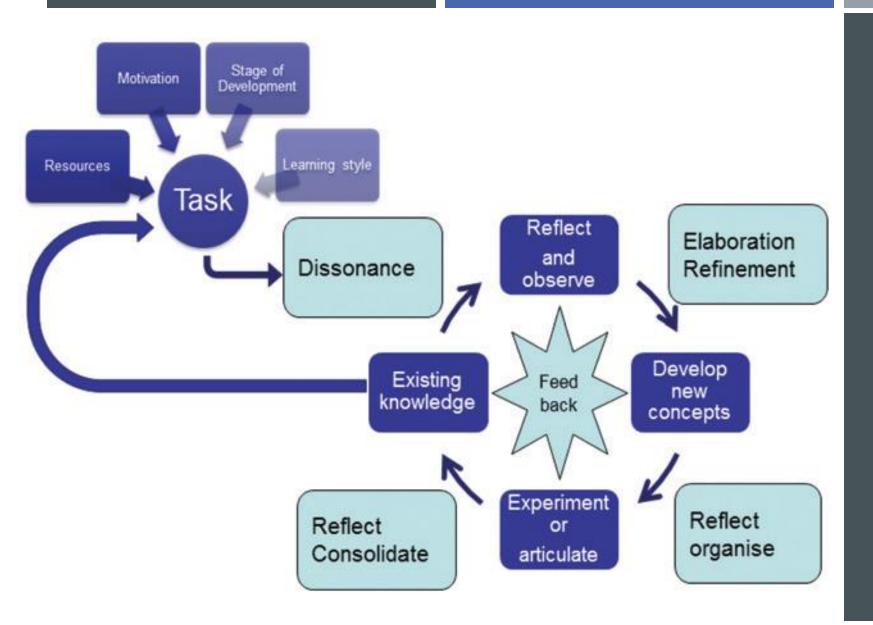
Adults need to be shown respect

ADULTS LEARN BEST WHEN...

They feel the need to learn and have input into what, why, and how they will learn

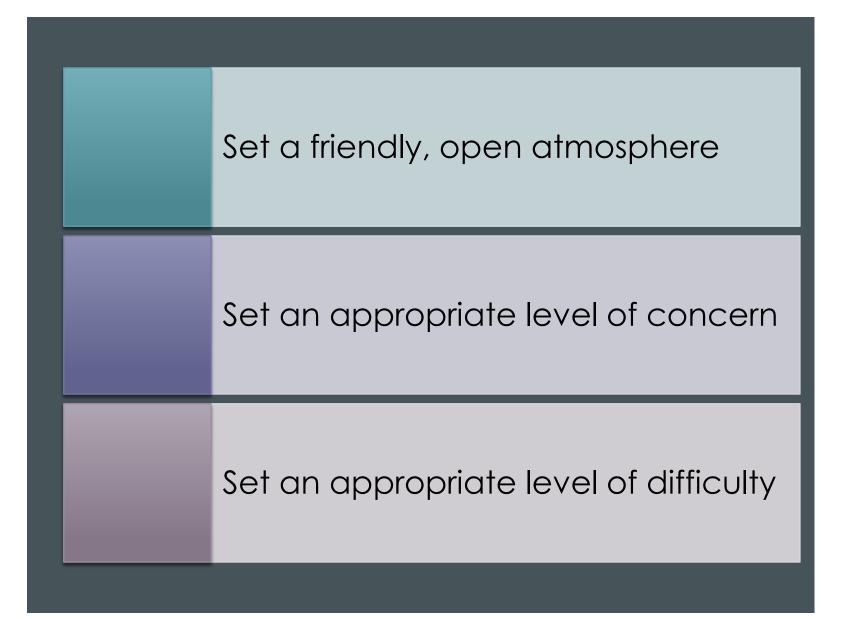
The content and process of learning are related to past experiences and are utiliz ed as a resource

They learn in a climate that minimiz es anxiety and encourages freedom to experiment



PROPOSED MODEL FOR ADULT LEARNING

LEARNING TIPS FOR EFFECTIVE INSTRUCTORS



IMPLEMENTIN G ADULT LEARNING PRINCIPLES INTO MEDICAL EDUCATION

- Motivating trainees and eliminate anxiety by:
 - Addressing trainees individually and often
 - Focusing on the desired outcomes at the beginning of a rotation
 - Assisting trainees by organiz ing material into logical chunks of information
 - Providing learning experiences that promotes short-term to long-term learning (provide activities that promote critical thinking skills)
 - Offering freq uent feedback and opportunities for learning reinforcement

MEDICAL EDUCATORS MUST BE AWARE THAT:

ADULTS learn differently than CHILDREN.

Individual learning styles should not be seen as an obstacle but an opportunity when designing programs.

Teaching strategies should be appropriate for the message wishing to be delivered.

Good educators are made, not born, and that our skills can be improved to the learner's benefit.

ADULT LEARNING THEORY: A PRIMER FOR THE MEDICAL EDUCATOR

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