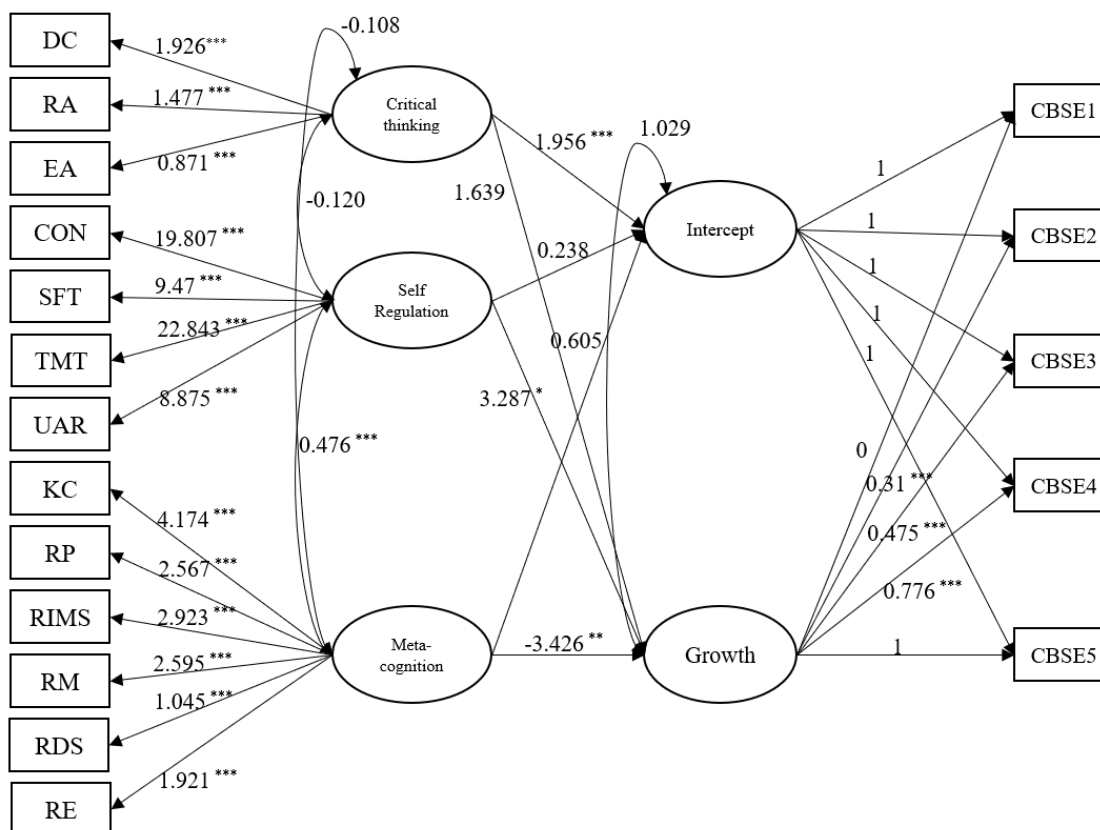


## Supplemental Digital Appendix 1

### Structural Equation Modeling Diagram, From a Study of Examination Performance and Metacognition, Critical Thinking, and Self-Regulated Learning Strategies, Michigan State University College of Human Medicine, 2017–2019



Note: Circles represented latent variables and squares represented observed or measured indicators in the structural equation model. Double-headed arrows reflects that latent variables are freely correlated in the model. One-ended arrows that associate X to Y symbolized the fact that Y is explained by X.

\* indicates  $P < .05$ , \*\* indicates  $P < .01$ , \*\*\* indicates  $P < .001$ .

Abbreviations: DC: Drawing conclusions; RA: Recognition of assumptions; EA: Evaluation of arguments; CON: Concentration; SFT: Self-testing; TMT: Time management; UAR: Using academic resources; KC: Knowledge of cognition; RP: Planning; RIMS: Information management; RM: Monitoring; RDS: Debugging; RE: Evaluation; CBSE 1: Comprehensive Basic Science Examination in fall 2017; CBSE 2: Comprehensive Basic Science Examination in spring 2018; CSBE 3: Comprehensive Basic Science Examination in summer 2018; CBSE 4: Comprehensive Basic Science Examination in fall 2018; CBSE 5: Comprehensive Basic Science Examination in spring 2019.