Overtraining in simulation-based mastery learning – 6-month retention testing of ultrasound-guided peripheral intravenous catheter placement from a simulator to humans

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As a follow-up study deemed “Phase 2,” we evaluated the skill retention of ultrasound-guided peripheral intravenous catheter placement 6-months after receiving initial training. We assessed for any difference between groups of students who were randomized to 0, 4 or 8 successful extra simulated attempts in Phase 1. In addition, we evaluated the student’s ability to recognize flaws in 2 videos containing strategic errors demonstrating ultrasound-guided peripheral intravenous catheter placement.