

Learning Target 5: I can place a half pin with accuracy and consistency. (Meeting learning target 4 is a prerequisite)

SKILLS:	EMERGING <i>(I am just getting started on this skill)</i>	APPROACHING <i>(I am still developing this skill)</i>	MEETS <i>(I am competent and confident in this skill)</i>
Identify safe zone locations for placement of pins	Knowledge of basic safe zone anatomy around the tibia	Ability to correctly identify safe zones on different anatomical drawings.	Confident in the required anatomy knowledge necessary for external fixator placement in a living human.
Drill the pilot hole for the pin	TBD...		
Drill through the near cortex without plunging and advance pin to the far cortex	Successfully drill across the near cortex but hit the far cortex	Successfully inserted the pin but plunged to middle of intramedullary canal	Successfully inserted the pin without plunging
Avoid plunging into the soft tissues after exiting the far cortex	plunge more than a cm	plunge between 5mm and 10mm	Less than 5mm of indentation into the base
Successfully place pin in track of drill	Pin is near, but not exactly at the drill hole	somewhere in between	Pin follows the exact track of the drill
Drill the pin through the far cortex without going too far into soft tissues (for hand drill - 5 full cycle rotations)	Pin is engaged with far cortex, but either not all the way through or with significant plunge beyond far cortex	Pin is not through far cortex or too far past the far cortex, but closer to goal	Pin extends very slightly beyond the far cortex
Accurately position four pins in the bone to optimize fracture stability and external fixator placement TBD			