• ~90 fellow publications from 2010-2015 including two books and one book chapter
• PREP Pediatric Cardiology edited by Dr. Antonio Cabrera (PD)
• 100% pass rate on Pediatric Cardiology boards 2014 for first-time test takers
• Consensus evaluations in every core rotation

INTRAINING EXAM
2nd Years mean/median vs national

The Echocardiography “Boot Camp”: A Novel Approach in Pediatric Cardiovascular Imaging Education
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Background: Dynamic training schedules introduce novel challenges to medical specialty training programs that require manual dexterity. The aim of this study was to examine the effect of a 3-day intensive pediatric echocardiography course ("boot camp") on trainee self-efficacy and on the acquisition and short term retention of basic echocardiographic knowledge and skills for first year pediatric cardiology fellows (CFs).

Methods: The boot camp consisted of hands-on structured practice guided by sonographers and cardiology faculty members, didactic lectures, and reading. Pre-boot camp experience was assessed using an experience score. Outcome measures included written precamp and postcamp examinations, a performance-based test, precamp and postcamp self-efficacy assessments, and the number and quality of echocardiographic examinations performed in the first 3 months of fellowship.

Results: Six CFs completed the boot camp. Two of the six CFs reported experience scores of 2 of 10, whereas the remaining reported experience scores of 0 out of 10. Performance-based test scores ranged from 68 to 99 out of 147. All six CFs reported precamp self-efficacy scores of 0 (the minimum score), compared with median postcamp scores of 52 (range, 49-60) (P = .01). Scores on the written examination improved from median of 18 (range, 11-18) to 23.3 (range, 22-28) (P = .05). All six CFs who completed the boot camp completed 26 independent echocardiographic examinations median, 4 per CF) during the first 3 months of fellowship, an increase from six independent examinations (median, 1 per CF) by CFs during the year before institution of the boot camp (P = .008). Echocardiograms obtained by CFs who had completed the boot camp scored higher on total quality (P = .004), overall two-dimensional image quality (P = .015), functional assessments (P = .015), and assessment for pericardial effusion (P = .015).

Conclusions: The echocardiography boot camp improves self-efficacy in performing an echocardiographic examination and the acquisition and short term retention of skills and knowledge required to perform pediatric echocardiography. Ultrasound Echocardiography 2013

Keywords: Pediatric cardiology, Education, Fellowship training