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113 Intern Boot Camp Increases Self-assessment on Six EM Milestones

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Background: In the Next Accreditation System residents will be evaluated according to specialty-specific milestones (MS). There is limited data regarding the reliability and validity of the MS as an assessment tool. Whether or not levels 1-5 represent meaningful changes in resident development remains unclear.

Objectives: The purpose of this study is to measure the impact of an Intern Boot Camp (IBC) on self-assessment of EM MS. We hypothesize that our 1-day IBC will produce significant increases in self-assessment.

Methods: This is an IRB approved, prospective observational study. The UCSF Fresno Medical Education Program has 85 interns entering 9 different specialties. The primary educational site is Community Regional Medical Center, a Level 1 Trauma Center. All new interns are invited to participate in the IBC during orientation. Interdisciplinary groups rotate through 50-minute stations on the following topics: 1) suturing, 2) airway management, 3) transitions of care, 4) pediatric resuscitation, 5) aseptic technique and informed consent, 6) central line placement, 7) surviving night-float, and 8) emergency stabilization. Interns self-rated before and after the IBC held on June 21, 2013, on 6 milestones addressed in the curriculum (1, 9, 10, 13, 14, and 21). Data was analyzed using means, paired t-tests and p-values. The only exclusion criterion was nonparticipation.

Results: Eighty-two interns attended the IBC. Five interns did not complete both steps of the survey and were excluded from analysis. On average, considering the 6 MS addressed during the IBC, interns rated themselves 3.10 on a 10-point scale, corresponding to a Level 2, before IBC and 4.45 afterwards, corresponding to a level 3. See Table 1 for detailed results.

Conclusions: Not only did interns self-rate on EM MS at a level well above their expected competency, we found our 1-day IBC to significantly increase self-assessment to a level expected of EM trainees mid-residency.

Table 1. Impact of an IBC on self-assessment of 6 EM MS using a 10-point scale.

MS	Mean Pre-IBC	Mean Post-IBC	Mean Change	p-value
1	3.94	5.23	1.28	<0.001
9	3.14	4.49	1.29	<0.001
10	2.73	4.36	1.57	<0.001
13	2.6	3.91	1.25	<0.001
14	1.93	3.73	1.74	<0.001
21	4.25	4.95	0.65	<0.01