

Online Data Supplement

Impact of Risk and Volume on Procedural Training of Pulmonary and Critical Care Fellows

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Supplemental Table E1. Programs' supervision requirements for PCCM fellows for specific procedures.

Procedure	Perform independently without limitations	Perform independently only for emergencies	Perform independently after procedure-specific training	Perform independently after performing a specific number	Never allowed to perform independently
Arterial line placement	21 (40.4)	2 (3.8)	7 (13.5)	19 (36.5)	4 (7.7)
CVC placement	12 (23.1)	2 (3.8)	9 (17.3)	26 (50)	3 (5.8)
Flexible bronchoscopy	0 (0)	17 (32.7)	2 (3.8)	1 (1.9)	32 (61.5)
Thoracentesis	12 (23.1)	2 (3.8)	8 (15.4)	24 (46.2)	6 (11.5)
All LRHV procedures	11.3 (21.7)	5.8 (11.0)	6.5 (12.5)	17.5 (33.7)	11.3 (21.6)
Cricothyroidotomy	0 (0)	13 (26.0)	3 (6.0)	2 (4.0)	32 (64)
Blakemore or Minnesota tube placement	5 (9.6)	9 (17.3)	2 (3.8)	2 (3.8)	34 (65.4)

Bronchial blocker placement	0 (0)	6 (11.5)	0 (0)	2 (3.8)	44 (84.6)
Pericardiocentesis	3 (5.8)	12 (23.1)	2 (3.8)	2 (3.8)	31 (59.6)
All HRLV procedures	2.0 (3.9)	10.0 (19.5)	1.8 (3.4)	2.0 (3.8)	35.3 (68.4)
P value for comparison between all LRHV and HRLV procedures	0.004	0.008	0.047	<0.001	<0.001