

## Supplemental Digital Appendix 1

### Characteristics of 214 Articles Included in a Qualitative Review of Published Viewpoints on Resident Duty Hours Restrictions in Surgery, 2003-2015

	No. (%)		No. (%)
<b>Duty hours</b>		<b>Type of publication</b>	
80 hr	164 (77)	Editorial	73 (34)
European Working Time Directive	73 (34)	Commentary	57 (27)
16 hr shift	53 (25)	Letter to the editor	31 (14)
Night float	37 (17)	Comment	18 (8)
24 hr call	31 (14)	Report	13 (6)
Australian duty hours	7 (3)	Position paper	7 (3)
<b>Clinical context</b>		Presidential address	6 (3)
All surgical specialties	116 (54)	Review	5 (2)
All surgical and medical	33 (15)	Open letter	3 (1)
General surgery	19 (9)	Grey literature	1 (1)
Neurosurgery	13 (6)	<b>Year of publication</b>	
ENT	9 (4)	2003-2010	147 (69)
Orthopedic	5 (2)	2011-2015 <sup>a</sup>	67 (31)
Plastic	5 (2)	<b>Primary focus</b>	
Pediatrics	3 (1)	Resident education and training	195 (91)
Vascular	3 (1)	Patient care/safety	149 (70)
Cardiac	2 (1)	Resident wellness	83 (39)
Gynecology	2 (1)	Resident fatigue	69 (32)
Emergency	1 (1)	Heterogeneity	60 (28)
Neurology	1 (1)	Length of resident training	39 (18)
Ophthalmology	1 (1)	Impact on surgical faculty	27 (13)
<b>Country</b>		<b>Level of author experience</b>	
USA	144 (67)	Attending surgeon	155 (72)
Europe	53 (24)	Surgical resident	67 (31)
Ireland	2 (4)	Professional organization	64 (30)
Germany	2 (4)	Non-surgeon	29 (14)
Greece	2 (4)	Program director	16 (7)
Austria	1 (2)	Educational body	14 (7)
Czech Republic	1 (2)	Other	11 (5)
Netherlands	1 (2)	Surgical fellow	6 (3)
Spain	1 (2)	<b>Type of organization</b>	
Sweden	1 (2)	Academic	143 (67)
Norway	1 (2)	Agency/Organization	50 (23)
Switzerland	1 (2)	Community	20 (9)
Canada	14 (7)	<sup>a</sup> In 2011, the ACGME mandated 16-hour duty periods for first-year residents.	
Australia	5 (2)		