

**Supplemental Table 4** Patient data grouped by learning curve

	Pre-Group	Post-Group	Total	p Value	
No. of patients	70(46.4)	81(53.6)	151		
No. of lesions	73(46.5)	83(53.5)	156		
Male sex	59(84.3)	69(85.2)	128(84.8)	0.878	
Median age(IQR)	56(48-62)	58(48-64)	57(48-63)	0.199	
Pre-treatment mRS				0.623	
	1	16(22.9)	24(29.6)	40(26.5)	
	2	29(41.4)	18(22.2)	47(31.1)	
	3	10(14.3)	11(13.6)	21(13.9)	
	4	3(4.3)	16(19.8)	19(12.6)	
	5	12(17.1)	12(14.8)	24(15.9)	
Median microsurgical time(IQR)	296.5(246-340)	260(203-313)	275(231-332)	<b>0.009</b>	
Median blood loss(IQR)	200(100-300)	150(100-200)	200(100-300)	<b>0.034</b>	
Complications	13(18.6)	13(15.9)	26(17.2)	0.682	
Recurrence	2(2.9)	3(3.7)	5(3.3)	1.000	
Post-treatment mRS*				0.832	
	0	21(30.0)	27(33.3)	46(31.8)	
	1	30(42.9)	30(37.0)	60(39.8)	
	2	2(2.9)	7(8.6)	9(6.0)	
	3	7(10.0)	3(3.7)	10(6.6)	
	4	3(4.3)	9(11.1)	12(7.9)	
	5	2(2.9)	2(2.5)	4(2.6)	
	6	5(7.1)	3(3.7)	8(5.3)	

Values are shown as the number (%) of patients or lesions unless indicated otherwise.

\* Post-treatment mRS was evaluated according to the last follow-up.