

**Additional File 3.** Comparing the JH-HLM scale with the AMEXO scale (not imputed data)

		<b>JH-HLM<sup>a</sup> scale</b> <b>(n = 135)</b>	<b>AMEXO<sup>b</sup> scale</b> <b>(n = 238)</b>	<b>Odds ratio (95% CI)</b>	<b>p-value</b>
Patients achieved the highest mobility score on the first postoperative day <sup>c</sup>	Yes (n,%)	61 (45.2)	4 (1.7)	0.021 (0.007-0.059)	< 0.001
	No (n,%)	74 (54.8)	234 (98.3)		
Patients achieved the highest mobility score during one of the first three postoperative days <sup>c</sup>	Yes (n,%)	102 (75.6)	19 (8.0)	0.028 (0.015-0.052)	< 0.001
	No (n,%)	33 (24.4)	219 (19.0)		
Patients showing a change in mobility score <sup>d</sup>	Yes (n,%)	60 (74.1)	137 (95.8)	7.992 (3.070-20.803)	< 0.001
	No (n,%)	21 (25.9)	6 (4.2)		
	Missing data <sup>e</sup>	<i>n</i> = 54	<i>n</i> = 95		
Patients who showed a change in mobility score and scored 9 – 12	Yes (n,%)	N/A	84 (56.4)	N/A	N/A
	No (n,%)		65 (43.6)		
	Missing data <sup>e</sup>		<i>n</i> = 89		

Legend: <sup>a</sup> = John Hopkins Highest Level of Mobility; <sup>b</sup> = Amsterdam UMC Extension of the John Hopkins Highest Level of mObility; <sup>c</sup> = i.e. JH-HLM scale maximum score of 8; AMEXO scale maximum score of 12; <sup>d</sup> = a change is defined as a difference in mobility score of at least one point on one of the first three postoperative days; <sup>e</sup> = unable to compute variable due to missing data on both the second postoperative day and third postoperative day; CI = Confidence intervals; N/A = not applicable.