

## SUPPLEMENTAL MATERIALS

Supplemental Table 1: Types of procedures included in the minor and major surgical procedure groups	
Minor Surgical Procedure	Major Surgical Procedure
Cystoscopy with/without suprapubic catheter placement	Excisional biopsy
Upper and lower endoscopy	Bariatric surgery
Radiofrequency ablations	Aortic valve replacement
Bronchoscopy	Hernia repair
Endoscopic retrograde cholangiopancreatography	Spinal surgeries (including laminectomy, laminotomy, spinal fusion, discectomy)
Central venous access device placement	Gynecologic surgeries (including uterine myomectomy, hysterectomy with and without oophorectomy)
Lithotripsy	Urogenital surgery
Peripheral nerve blocks	Orthopedic surgeries (including arthroscopy, open reduction and internal fixation of fractures)
Conventional angiogram	Exploratory surgeries (including neck, abdomen)
	Multiple dental extractions
	Ophthalmic surgeries (vitrectomy, strabismus, oculoplastic procedures)
	Breast augmentation surgery
	Ear, nose and throat surgeries (including septoplasty, turbinate resection)
	Extensive wound debridements
	Amputations
	Implantation and removal of nerve stimulators
	Splenectomy
	Cholecystectomy
	Prostatectomy
	Nephrectomy

Supplemental Table 2: Characteristics of Invasive Surgical Procedures and Relapse Events in a Cohort of 281 Multiple Sclerosis Patients		
	Minor Surgical Procedure	Major Surgical Procedure
Number of patients	178	179
Total Number of Procedures (mean; min, max) <sup>a</sup>	299 (1.7; 1,11)	311 (1.7; 1,8)
Total Days in Study	196,007	195,876
Average Days in Study	1,101	1,094
Number of Days Exposed <sup>b</sup>	26,639	27,473
Number of Days Unexposed	169,368	168,403
Total Number of Relapses (min, max)	37 (0,5)	55 (0,3)
Number of Relapses Pre-procedure	33	47
Number of Relapses Post-procedure	4	8

<sup>a</sup> Mean for the entire sample = 2.2 procedures

<sup>b</sup> 90-day period after each procedure