

**Supplemental Table 1.** Description of patients imaged with <sup>68</sup>Ga-pentixafor-PET-MRI and quantification of tracer uptake in carotid arteries.

Patients	Gender	Age	Side	Carotid stenosis	Symptomatic	Mean TBR	MDS TBR
Patient 1	Male	64	R	< 50 %	No	2.0	2.4
			L	> 70 %	Yes	2.2	2.6
Patient 2	Male	74	R	> 70 %	Yes	2.0	2.1
			L	> 50 %	No	2.1	2.5
Patient 3	Female	71	R	> 70 %	Yes	1.6	1.7
			L	< 50 %	No	1.5	1.7
Patient 4	Male	75	R	> 70 %	No	1.4	1.4
			L	Former CEA	No	1.4	1.6
Patient 5	Male	77	R	< 30 %	No	1.2	1.3
			L	< 30 %	No	1.2	1.3
Patient 6	Male	69	R	< 30 %	No	1.2	1.3
			L	< 30 %	No	1.2	1.5
Patient 7	Male	69	R	< 30 %	No	1.4	1.5
			L	< 30 %	No	1.3	1.4
Patient 8	Male	62	R	< 30 %	No	1.5	1.6
			L	< 30 %	No	1.6	1.9