

Table 1:

Characteristic		Total study population (N = 57)	Older Adults (n = 12)	Younger Adults (n = 45)	Odds Ratio (95% Confidence Interval)	p value
Gender (female)		32	7 (58%)	25 (56%)	1.04 (0.47-2.27)	1
Age at RNS implantation (years)		35.4±12.9	54.9±3.4	30.2±8.9	N/A	<0.01
Age at seizure onset (years)		16.2±12.1	25±15.5	13.9±10	N/A	<0.01
Duration of epilepsy (years)		19.2±12.5	29.9±16.4	16.3±9.6	N/A	<0.01
Median follow-up duration (months; IQR)		32 (16-56)	26 (13-40)	33 (21-57)	N/A	0.15
Mean Duration of Stimulation (Months)		45.3	31.5±21.7	48.9±39.0	N/A	0.14
MRI	Unilateral	15	4 (33%)	11 (24%)	1.55 (0.39-1.24)	0.7
	Negative/Bilateral	42	8 (67%)	34 (76%)		
Prior resection	Yes	17	2 (17%)	15 (33%)	0.4 (0.08-2.06)	0.31
	No	40	10 (83%)	30 (67%)		
Prior VNS	Yes	14	2 (17%)	12 (27%)	0.55 (0.11-2.88)	0.71
	No	43	10 (83%)	33 (73%)		
Median number of AEDs prior to RNS		3 (2-3)	3 (2-3)	3 (2-3)	NA	0.8
Median Number of AEDs after RNS		3(2-3)	3(2-3)	3(2-3)	NA	0.11
Intracranial EEG evaluation	Yes	51	10 (83%)	41 (91%)	0.49 (0.08-3.05)	0.6
	No	6	2 (17%)	4 (9%)		
Therapy recommendations	RNS only	41	7 (58%)	34 (76%)	0.45 (0.12-1.72)	0.29
	RNS + Others	16	5 (42%)	11 (24%)		
Lead placement	Depth	44	11 (92%)	33 (73%)		
	Strip/Both (Strip + depth)	13	1 (8%)	12 (27%)		
Seizure outcome*	≥50% seizure reduction	31	8 (67%)	23 (52%)	1.83 (0.48-6.96)	0.52

	<50% seizure reduction	25	4 (33%)	21 (48%)		
	Seizure free	8	3 (25%)	5 (11%)	2.6 (0.52 to 12.9)	0.35

**Demographic, disease, and outcome variables in older ( $\geq 50$  years of age) versus younger adults undergoing RNS implantation** (\*One patient lost to follow-up 3 months after RNS implantation in Younger Adults group. # RNS explanted in 3 of them. ^Two underwent surgery)