

**Supplementary Material:****Supplementary Table 1: Gender and Brain Involvement in Trends**

<b>Total Neurological Scores</b>	Worsening	Stable	Improving
Brain Involvement			
Bilateral/Unilateral	4/13	0/6	1/11
Gender			
Male/Female	9/8	2/4	9/3
<b>Seizure Subscore</b>	Worsening	Stable	Improving
Brain Involvement			
Bilateral/Unilateral	2/10	2/10	1/10
Gender			
Male/Female	7/5	6/6	7/4
<b>Cognitive Function Score</b>	Worsening	Stable	Improving
Brain Involvement			
Bilateral/Unilateral	5/12	0/15	0/3
Gender			
Male/Female	11/6	6/9	3/0
<b>Hemiparesis Score</b>	Worsening	Stable	Improving
Brain Involvement			
Bilateral/Unilateral	1/8	3/15	1/7
Gender			
Male/Female	6/3	9/9	5/3

**Supplemental Table 2: Subgroup 3 – Presymptomatic Aspirin Neuroscores**

<b>Subject</b>	<b>Age of NS (months)</b>	<b>SZ</b>	<b>HP</b>	<b>VFC</b>	<b>CF</b>	<b>Total</b>	<b>NS on ASA?</b>	<b>Pre-ASA Symptoms</b>
1	79	1	1	0	3	5	Yes	Glaucoma, Stroke-like episode, hemiparesis
2	80	2	0	0	2	4	Yes	Glaucoma, Early handedness
3	57	4	3	2	2	11	Yes	Glaucoma, Visual gaze preference
4	66	2	3	2	0	7	Yes	Glaucoma
5	3	2	1	1	0	4	No*	Glaucoma, Visual gaze preference

\* Subject was taken off aspirin when there was a concern about an allergic reaction that resolved itself immediately after discontinuing aspirin.

(Abbreviations: NS – Neurological Score, SZ – Seizure subscore, HP – Hemiparesis subscore, VFC – Visual Field Cut subscore, CF – Cognitive Function subscore, ASA – Aspirin).