

Supplementary file

Overview of longitudinal EEG background and epileptiform activity in subjects < 16 y on established pyridoxine treatment

Patient number	Main EEG characteristics (age)	Clinical situation
2	1. Normal (10 d)	Routine
4	1. Moderate DSBA, rare ED, L t-o (13 d) <i>Dietary treatment (3 w)</i> 2. Mild DSBA, rare ED, bil t-o (2.5 mo) 3. Rare ED, t-c-p (3 mo) 4. Mild DSBA, ED, async bil t-p (1 y) 5. Mild ISBA (1.5 y)	Routine <i>1 d after seizure due to fever/intercurrent illness</i> <i>Suspected seizures/abnormal movements</i> Routine Routine
5	1. Mild DSBA, MF/bil ED (27 d) 2. Mild DSBA, MF/bil ED (31 d) 3. Mild DSBA, MF/bil ED (1 mo) 4. Mild ISBA L (2 mo) <i>Dietary treatment (3 mo)</i> 5. Normal (7 mo) 6. Moderate ED async bil f-c (1.5 y) 7. Mild ED bil async f-c (2 y) 8. Normal (2.5 y)	Routine Routine Routine Routine Routine <i>1 d after seizure without known precipitant</i> Routine Routine
6	1. Marked DSBA (7 d) 2. Mild DSBA (14 d) 3. Mild DSBA (1.5 mo) <i>Dietary treatment (2 mo)</i> 4. Normal (4 mo) 5. Normal (9 mo) 6. Normal (1.5 y) 7. Frequent ED p-z (3 y) 8. Mild ED p-z in sleep (3 y)	Routine Routine Routine <i>6 d after seizure due to fever/intercurrent illness</i> <i>Seizure due to fever/intercurrent illness</i> <i>Seizure due to fever/intercurrent illness</i> Routine Routine
7	<i>Dietary treatment (5 w)</i> 1. Normal (1.5 y)	Routine
8	1. Normal (2 mo) 2. Mild DSBA, freq ED async bil (11 mo) 3. Mild DSBA, freq ED async bil (1 y) 4. Mild DSBA, freq ED async bil (1 y) 5. Mild DSBA, freq ED L (1.5 y) 6. Mild DSBA, mod ED L (1.5 y) 7. Mild DSBA, mod ED f-c, ECS 1 min PER (2 y)	Routine Routine Routine Routine Routine Routine <i>Seizure due to fever/intercurrent illness</i>

	8. Mild DSBA, ED R c-p, PER (2 y) 9. Mild DSBA, freq ED bil async max R c-p, ECS (2.5 y) 10. Moderate DSBA (3 y) 11. Mild DSBA, freq ED bil async (5.5 y) <i>Dietary treatment (10 y)</i> 12. Mild DSBA (14 y)	Routine <i>Seizures without known precipitant</i> Routine Routine Routine
9	1. Mild DSBA (1 mo) 2. Mild DSBA (1.5 mo) 3. Normal (6 mo) 4. Rare ED bil t (9 mo) 5. Normal (10 mo) 6. Normal (1.5 y) 7. Normal (6 y)	Routine Routine Routine <i>1 day after seizure due to fever/intercurrent illness</i> Routine Routine Routine
10	1. Normal (1 y) 2. Normal (1.5 y) 3. Normal (2 y) 4. Normal (2 y) 5. Normal (3.5 y) 6. Moderate DSBA, MF ED (4.5 y)	<i>Seizure due to fever/intercurrent illness</i> Routine Routine Routine Routine Routine
11	1. Mild MF ED (16 d) 2. Mild Alt high amp SBA (10 mo) 3. Normal (1 y)	Routine Routine <i>2 d after seizure due to fever/intercurrent illness</i>
12	1. Normal (1 mo) 2. Normal (1.5 mo) 3. Normal (2 mo) 4. Normal (6 mo) 5. Normal (1 y) 6. Normal (4 y) 7. Normal (4 y)	Routine Routine Routine Routine Routine Routine Routine
13	1. Moderate Alt high amp SBA (15 d) 2. Normal (3 m) 3. Marked DSBA (8 mo) 4. Moderate DSBA (10 mo) 5. Normal (1.5 y) 6. Mild DSBA, rare ED R t-p (6 y) 7. Normal (8 y) 8. Marked DSBA, max R t (8 y) 9. Moderate DSBA, max R f-t (8 y) 10. Normal (8 y) 11. Mild SW R f-t, rare ED R f-t (8 y) 12. Moderate DSBA, rare ED bil f-t (12 y)	Routine Routine <i>1 d after seizure due to treatment discontinuation</i> Routine <i>2 d after seizure due to treatment discontinuation</i> Routine Routine <i>3 d after seizure due to GE/fever/PN interruption</i> Routine Routine Routine Routine

	13. Mild DSBA (13 y)	Routine
--	----------------------	---------

Alt high amp SBA, alternating high amplitude slow background activity; async, asynchronous; bil, bilateral; c, central; d, day; DSBA, diffuse slow background activity; ECS, electroclinical seizure; ED, epileptiform discharges; freq, frequent; f, frontal; GE, gastroenteritis; ISBA, intermittent slow background activity; L, left; max, maximum; mod, moderate; mo, month; MF, multifocal; o, occipital; p, parietal; p-z, parietal midline; PER, photoepileptiform response; SW, slow waves; t, temporal; y, year

Overview of longitudinal EEG background and epileptiform activity in subjects > 16 y on established pyridoxine treatment.

Patient number	Main EEG characteristics (age)	Clinical situation
8	1. Mild DSBA (17 y)	Routine
9	1. Normal (19 y) 2. Mild ISBA (26 y)	Routine Routine
10	1. Mild DSBA (20 y) 2. Mild DSBA (21 y)	Routine Routine
11	1. Moderate DSBA (19 y) 2. Moderate DSBA (19 y) 3. Moderate DSBA (20 y)	Routine Routine Routine
12	1. Mild DSBA (17 y) 2. Mild DSBA (20 y) 3. Mild DSBA (22 y) 4. Mild DSBA (23 y) 5. Mild DSBA (24 y) 6. Normal (26 y)	Routine Routine <i>3 d after seizure due to GE/fever/PN interruption</i> Routine Routine Routine
13	1. Mild DSBA, rare ED async bil f-t (17 y) 2. Mild DSBA (29 y) 3. Mild DSBA, rare ED async bil f-t (31 y) 4. Mild DSBA, rare ED async bil f (33 y) 5. Mild DSBA (35 y) 6. Mild DSBA, rare ED async bil f (46 y) 7. Mild DSBA, rare ED L t (47 y) 8. Mild DSBA (55 y)	<i>Routine</i> <i>6 d after SE abroad due to GE/fever/PN interruption</i> Routine <i>Seizure without known precipitant (non-adherence?)</i> Routine Routine Routine Routine

asynch, asynchronous; bil, bilateral; d, days; DSBA, diffuse slow background activity; ED, epileptiform discharges; f, frontal; GE, gastroenteritis; ISBA, intermittent slow background activity; L, left; PN, pyridoxine; SE, status epilepticus; t, temporal; y, years