

**Table 2. Epilepsy history of the 9 ARX patients with epilepsy.**

<b>Patient</b>	<b>Type of seizure</b>	<b>Age at onset</b>	<b>Frequency and circumstances of seizures</b>	<b>EEG</b>	<b>medications</b>	<b>Outcome of epilepsy</b>	<b>Severity of cognitive deficit</b>
1 (Family I)	<b>Infantile spasms</b>	4 months	daily	hypersyhythmia	GVG, HC Topiramate	At 20 months: free of seizure and meds	Moderate
2 (Family III)	Partial complex	4 years and 4 months	Total of 8 seizures (1 watching TV)	Occipitotemporal spikes & slow waves, generalized spike wave discharges	VPA	At 17 years and 9 months: free of seizures on VPA	Moderate
3 (Family V)	- <b>Infantile spasms</b> - Febrile status epilepticus - generalized tonic clonic seizure - partial seizure	- 5 months - 14 years and 9 months - 17 years and 3 months - 17 years and 7 months	- daily - Rare generalized tonic clonic seizures	hypersyhythmia	ACTH, CZP VPA	At 18 years and 8 months: last seizure at 17 years 7 months old, on VPA CZP	<b>profound</b>
4 (Family VII)	Short febrile tonic clonic (once without fever)	3 years and 4 months	Total of 3 seizures within six months	normal	VPA	At 4 years and 6 months: free of seizures on VPA	Moderate
5 (Family X)	- <b>Infantile spasms</b> - partial complex seizures - nocturnal tonic-clonic - generalized tonic-clonic seizures - status epilepticus	- 7 months - 22 months  - 3 years and 2 months - 5 years and 8 months - 6 years and 1 month	- Daily - Twice a week  - Once a week  - every two months	Na	- HC ACTH - CBZ  - GVG  - VPA  - LTG LVT	At 11 years and 4 months: generalized tonic clonic seizure once a month, on VPA, LTG, LVT	<b>profound</b>
6 (Family XI)	Absences	4 years	Some watching TV	Na	VPA	At 11 years and 10 months: free of seizures and meds	Moderate
7 (Family XI)	- Febrile seizure - Absences	- 14 months - 7 years and 9 months	watching TV	Na	no	At 7 years and 11 months: free of seizures and meds	Moderate
8 (Family XII)	?	14 years			Ethosuccimide VPA, CLB	At 54 years: occasionally	severe

9 (Family XII)	- Hypotonic seizures - Tonic seizures with eye rolling, pallor and cyanosis	- 22 months  - 5 years	- once  - 2 to 3 times a week	Normal at 4 years old	- VPA CBZ CLB	At 18 years and 6 months: free of seizures on VPA CBZ	severe
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CBZ: carbamazepin; CZP: clonazepam; CLB: clobazam; LTG: lamotrigin; VPA: valproate; GVG: vigabatrin; LVT: levetiracetam; HC: hydrocortisone.