Neurologic, Psychiatric and/or Rheumatologic Plagiocephaly and/or craniosynostosis (*n*=5) Sensory sensitivity (*n*=2) Tic (*n*=1) Ehlers-Danlos Syndrome (*n*=1) Postural orthostatic tachycardia syndrome (*n*=1) Dyslexia (*n*=1) Attention deficit hyperactivity disorder (*n*=1) Foot pronation(*n*=1)	Otolaryngologic Hearing loss (*n*=3) Tympanostomy (*n*=2) Prematurity and Associated Complications Gestational age 26 weeks with chronic lung disease (*n*=1) Gestational age 33 weeks due to fetal hydrops (*n*=1) Gestational age 25 weeks with intraventricular hemorrhage (*n*=1)
Ophthalmologic Pupil asymmetry (*n*=2) Amblyopia (*n*=1) Ptosis (*n*=1) Intermittent diplopia (*n*=1) Coloboma with microphthalmia (*n*=1)	Genetic KMT2C gene mutation associated with congenital heart disease, developmental delay and autism spectrum disorder (Kleestra syndrome) SACS gene mutation associated with periodic fevers, tic, tethered cord and leg dystonia (*n*=1) Multiple congenital anomalies (short long bones, hypospadias, bifid uvula, sacral dimple, joint hypermobility, tics and learning difficulties without identified mutation (*n*=1)
Cardiac Ventricular septal defect requiring surgical repair (*n*=2) Unspecified congenital heart defect (*n*=1) Murmur with normal echocardiogram (*n*=1) Heart palpitations (*n*=1)	
Gastrointestinal Gastroesophageal reflux (*n*=23) Inguinal hernia (*n*=1) Milk protein allergy (*n*=1) Viral hepatitis (*n*=1)	

Supplemental Table S1: Medical comorbidities of children with BPT as reported by their parents/caregivers. Total number of comorbidities is greater than the number of children with any comorbidity as some reported more than one condition.

Testing and Evaluations Performed	Abnormal Findings
Neuroimaging MRI brain (*n*=40) MRI spine (*n*=12) MRI orbit (*n*=1) CT head (*n*=6) CT neck (*n*=1) CT unspecified (*n*=2) X-ray neck (*n*=1) X-ray spine (*n*=1) Head ultrasound (*n*=4) Neck ultrasound (*n*=1)	MRI brain: Chiari malformation (*n*=1); dysgenesis corpus callosum (*n*=1); "incidental small cyst" (*n*=1); white matter injury of unknown etiology (*n*=1); enlarged vestibular aqueduct (*n*=1) MRI spine: Tethered cored in patient with SACS gene mutation (variant of unknown significance) (*n*=1) Neck ultrasound: Lateral neck cyst (*n*=1)
EEG (*n*=39)	Posterior slowing at 12 months of age, felt to be "normal variant" (*n*=1)
Lumbar puncture (*n*=4)	None reported
Genetic testing (*n*=8) Specific testing for CACNA1A (*n*=2)	KMT2C mutation (*n*=1): encodes histone methyltransferase; associated with Kleefstra syndrome 2 characterized by intellectual disability, hypotonia, speech delay and facial dysmorphism SACS gene variant of unknown significance (*n*=1): associated with Autosomal recessive spastic ataxia of Carlevoix-Saguenay (ARSACS), characterized by dystonia, ataxia, spasticity, amyotrophy, nystagmus and dysarthria
Ophthalmologic evaluation (*n*=20) By an ophthalmologist (*n*=14) By an optometrist (*n*=2) By a neuro-ophthalmologist (*n*=1) Vision screen, NOS (*n*=3) "Eye exam", NOS (*n*=2)	Amblyopia (*n*=1); pupil asymmetry (*n*=2); ptosis (*n*=1); coloboma with microphthalmia (*n*=1); glasses prescription needed in left eye (*n*=1)
Otolaryngologic evaluation (*n*=14) Hearing test (*n*=5) Vestibular testing (*n*=2) "ENT" (*n*-7)	Abnormal hearing, felt to be unrelated to BPT per parental report (*n*=3; 1 with KMT2C mutation); right-sided vestibular deficit, felt to be unrelated to BPT per parental report (*n*=1)
Lab testing (*n*=8)	Elevated urinary dopamine (normal MIBG scan and renal ultrasound) (*n*=1)
Gastroenterological evaluation (*n*=4) Abdominal ultrasound (*n*=2) Abdominal MRI (*n*=1) Upper GI series (*n*=1)	None reported
Orthopedic evaluation (*n*=4)	None reported
Allergy testing (*n*=2)	None reported
Cognitive testing (*n*=1)	None reported
Hair mineral testing (*n*=1)	None reported
Neurosurgical evaluation (*n*=1)	None reported

Supplemental Table S2: Diagnostic evaluations performed and associated abnormal findings as reported by their parents/caregivers. Total number of evaluations is greater than the number of patients as many

patients had more than one test performed. MRI: magnetic resonance imaging; CT: computed tomography; EEG: electroencephalogram; NOS: not otherwise specified; ENT: Ear, nose and throat; GI: gastrointestinal; MIBG: metaiodobenzylguanidine