

**Supplement 1.** References from systematic literature research. Literature included in the qualitative synthesis is printed in **bold**. Literature included in the quantitative synthesis is printed in **bold italic**.

1. Abreu P, Ribeiro M, Forni A, Pires I, Sousa G. Writing epilepsy: a neurophysiological, neuropsychological and neuroimaging study. *Epilepsy Behav*. 2005 May;6(3):463–6.
2. Adam RL, Sidi H, Midin M, Zakaria H, Das S, Mat KC. The role of atypical antipsychotics in sexuality: Road to recovery in schizophrenia. *Curr Drug Targets*. 2017 May 2;
3. Adityanjee, Jayaswal SK, Chan TM, Subramaniam M. Temporary remission of tardive dystonia following electroconvulsive therapy. *Br J Psychiatry*. 1990 Mar;156:433–5.
4. Adler CH, Zimmerman RS, Lyons MK, Simeone F, Brin MF. Perioperative use of botulinum toxin for movement disorder-induced cervical spine disease. *Mov Disord*. 1996 Jan;11(1):79–81.
5. Afanas'ev AM, Pisklova AV, Filippov GP. [Experience with non-drug correction of autonomic disorders in adolescents]. *Klin Med (Mosk)*. 2004;82(7):69–71.
6. Aggarwal A, Thompson PD. Unusual focal dyskinesias. *Handb Clin Neurol*. 2011;100:617–28.
7. Ahmed MAS, Martinez A, Yee A, Cahill D, Besag FMC. Psychogenic and organic movement disorders in children. *Dev Med Child Neurol*. 2008 Apr;50(4):300–4.
8. Akarsu EO, Surmeli R, Yalcin D. Myoclonus-dystonia syndrome: case report. *North Clin Istanb*. 2014;1(3):187–90.
9. Alarcon F, Zijlmans JCM, Duenas G, Cevallos N. Post-stroke movement disorders: report of 56 patients. *J Neurol Neurosurg Psychiatry*. 2004 Nov;75(11):1568–74.
10. Allegrini D, Autelitano A, Nocerino E, Fogagnolo P, De Cilla S, Rossetti L. Grisel's syndrome, a rare cause of anomalous head posture in children: a case report. *BMC Ophthalmol*. 2016 Mar 1;16:21.
11. Amirjamshidi A, Roozbeh H, Sharifi G, Abdoli A, Abbassioun K. Osteoid osteoma of the first 2 cervical vertebrae. Report of 4 cases. *J Neurosurg Spine*. 2010 Dec;13(6):707–14.
12. Anderson WH, Kuehnle JC, Catanzano DM. Rapid treatment of acute psychosis. *Am J Psychiatry*. 1976 Sep;133(9):1076–8.
13. Angelini L, Rumi V, Lamperti E, Nardocci N. Transient paroxysmal dystonia in infancy. *Neuropediatrics*. 1988 Nov;19(4):171–4.
14. Anishchenko GI, Gruzman GB. [Several features of the course of spastic torticollis]. *Zh Nevropatol Psichiatr Im S S Korsakova*. 1974;74(9):1322–8.
15. Antelmi E, Di Stasio F, Rocchi L, Erro R, Liguori R, Ganos C, et al. Impaired eye blink classical conditioning distinguishes dystonic patients with and without tremor. *Parkinsonism Relat Disord*. 2016 Oct;31:23–7.
16. Apaydin H, Ozekmekci S, Yeni N. Posthemiplegic focal limb dystonia: a report of two cases. *Clin Neurol Neurosurg*. 1998 Mar;100(1):46–50.
17. Armata IA, Balaj L, Kuster JK, Zhang X, Tsai S, Armatas AA, et al. Dopa-responsive dystonia: functional analysis of single nucleotide substitutions within the 5' untranslated GCH1 region. *PLoS One*. 2013;8(10):e76975.
18. Arzumanian AM, Stupa MV. [Therapeutic principles in hyperkinetic syndromes]. *Zh Nevrol Psichiatr Im S S Korsakova*. 1994;94(5):32–5.
19. Asahi T, Taira T, Ikeda K, Yamamoto J, Sato S. Full recovery from drummer's dystonia with foot and arm symptoms after stereotactic ventro-oral thalamotomy: a case report. *Acta Neurochir (Wien)*. 2018 Apr;160(4):835–8.
20. Ashtekar CS, Jaspan T, Thomas D, Weston V, Gayatri NA, Whitehouse WP. Acute bilateral thalamic necrosis in a child with *Mycoplasma pneumoniae*. *Dev Med Child Neurol*. 2003 Sep;45(9):634–7.
21. Astudillo L, Hollington L, Game X, Benyoucef A, Boladeras AM, Delisle MB, et al. Cervical dystonia mimicking dropped-head syndrome after radiotherapy for laryngeal carcinoma. *Clin Neurol Neurosurg*. 2003 Dec;106(1):41–3.
22. Avampato JJ. Hypnosis: a cure for torticollis. *Am J Clin Hypn*. 1975 Jul;18(1):60–2.
23. Avchalumov Y, Volkmann CE, Ruckborn K, Hamann M, Kirschstein T, Richter A, et al. Persistent changes of corticostratial plasticity in dt(sz) mutant hamsters after age-dependent remission of dystonia. *Neuroscience*. 2013 Oct 10;250:60–9.

24. Aydin A, Yilmazer MS, Gurol T, Celik O, Dagdeviren B. Ondansetron administration before transoesophageal echocardiography reduces the need for sedation and improves patient comfort during the procedure. *Eur J Echocardiogr.* 2010 Oct;11(9):752–5.
25. Bachoud-Levi A-C, Gaura V, Brugieres P, Lefaucheur J-P, Boisse M-F, Maison P, et al. Effect of fetal neural transplants in patients with Huntington's disease 6 years after surgery: a long-term follow-up study. *Lancet Neurol.* 2006 Apr;5(4):303–9.
26. Bailie GR, Nelson MV, Krenzelok EP, Lesar T. Unusual treatment response of a severe dystonia to diphenhydramine. *Ann Emerg Med.* 1987 Jun;16(6):705–8.
27. Balash Y, Giladi N. Efficacy of pharmacological treatment of dystonia: evidence-based review including meta-analysis of the effect of botulinum toxin and other cure options. *Eur J Neurol.* 2004 Jun;11(6):361–70.
28. Baltag D, Ignat B, Manole O-Z. [Secondary effects of chronic treatment with levodopa in Parkinson disease]. *Rev Med Chir Soc Med Nat Iasi.* 2003 Mar;107(1):131–5.
29. Barnes MP, Newman PK. Delayed encephalopathy following cardiac arrest. *Postgrad Med J.* 1985 Mar;61(713):253–4.
30. Bartolo M, Chio A, Ferrari S, Tassorelli C, Tamburin S, Avenali M, et al. Assessing and treating pain in movement disorders, amyotrophic lateral sclerosis, severe acquired brain injury, disorders of consciousness, dementia, oncology and neuroinfectiology. Evidence and recommendations from the Italian Consensus Conference on Pain in Neurorehabilitation. *Eur J Phys Rehabil Med.* 2016 Dec;52(6):841–54.
31. Bashiri FA, Al-Rasheed AA, Hassan SM, Hamad MHA, El Khashab HY, Kentab AY, et al. Auto-immune anti-N-methyl-D-aspartate receptor (anti-NMDAR) encephalitis: three case reports. *Paediatr Int Child Health.* 2017 Aug;37(3):222–6.
32. Bassitt DP, Louza Neto MR. Clozapine efficacy in tardive dyskinesia in schizophrenic patients. *Eur Arch Psychiatry Clin Neurosci.* 1998;248(4):209–11.
33. Batla A, Stamelou M, Bhatia KP. Treatment of focal dystonia. *Curr Treat Options Neurol.* 2012 Jun;14(3):213–29.
34. Bauer R, Pohl S, Klosterkötter J, Kuhn J. [Deep brain stimulation in the context of addiction--a literature-based systematic evaluation]. *Fortschr Neurol Psychiatr.* 2008 Jul;76(7):396–401.
35. Baulac M. MTLE with hippocampal sclerosis in adult as a syndrome. *Rev Neurol (Paris).* 2015 Mar;171(3):259–66.
36. Baur B, Furholzer W, Jasper I, Marquardt C, Hermsdorfer J. Effects of modified pen grip and handwriting training on writer's cramp. *Arch Phys Med Rehabil.* 2009 May;90(5):867–75.
37. Beliaev II, Zholboldin KE, Chemeris AV. [Posterior selective rhizotomy in the treatment of spasticity and muscular dystonias]. *Zh Vopr Neirokhir Im N N Burdenko.* 1991 Aug;(4):6–7.
38. Ben Meriem C, Nouri S, Chouchane C, Chouchane S, Said M, Ghedira L, et al. [Eosinophilic granuloma revealed by torticollis: a case report]. *Arch Pediatr.* 2006 Jan;13(1):44–7.
39. Ben-Haim S, Flatow V, Cheung T, Cho C, Tagliati M, Alterman RL. Deep Brain Stimulation for Status Dystonicus: A Case Series and Review of the Literature. *Stereotact Funct Neurosurg.* 2016;94(4):207–15.
40. Bennay M, Gernert M, Richter A. Spontaneous remission of paroxysmal dystonia coincides with normalization of entopeduncular activity in dt(SZ) mutants. *J Neurosci.* 2001 Jul 1;21(13):RC153.
41. Benrhouma H, Kraoua I, Klaa H, Rouissi A, Turki I, Gouider-Khouja N. [Clinical and therapeutic aspects in Tunisian patients with dystonia: a 5-year prospective study]. *Rev Neurol (Paris).* 2013 Jan;169(1):47–52.
42. Bentivoglio AR, Fasano A, Ialongo T, Soleti F, Lo Fermo S, Albanese A. Fifteen-year experience in treating blepharospasm with Botox or Dysport: same toxin, two drugs. *Neurotox Res.* 2009 Apr;15(3):224–31.
43. Berardelli A, Rothwell JC, Day BL, Marsden CD. Pathophysiology of blepharospasm and oromandibular dystonia. *Brain.* 1985 Sep;108 ( Pt 3):593–608.
44. Berque P, Gray H, Harkness C, McFadyen A. A combination of constraint-induced therapy and motor control retraining in the treatment of focal hand dystonia in musicians. *Med Probl Perform Art.* 2010 Dec;25(4):149–61.
45. Berque P, Gray H, McFadyen A. A combination of constraint-induced therapy and motor control retraining in the treatment of focal hand dystonia in musicians: a long-term follow-up study.

- Med Probl Perform Art. 2013 Mar;28(1):33–46.
46. Bhaumik S, Behari M, Ahuja GK. Bilateral basal ganglia lucencies following acute febrile illness. Indian J Pediatr. 1996 Aug;63(4):557–60.
47. Bhoyar KV, Gujjar P, Shinde S, Kotak N. Anesthetic management of deep brain stimulator implantation in Meige's syndrome. J Anaesthesiol Clin Pharmacol. 2012 Jan;28(1):111–3.
48. Blomstedt P, Fytaghoris A, Tisch S. Deep brain stimulation of the posterior subthalamic area in the treatment of tremor. Acta Neurochir (Wien). 2009 Jan;151(1):31–6.
49. Bode C, Richter F, Sprote C, Brigadski T, Bauer A, Fietz S, et al. Altered postnatal maturation of striatal GABAergic interneurons in a phenotypic animal model of dystonia. Exp Neurol. 2017 Jan;287(Pt 1):44–53.
50. Bogucki A. Serial SFEMG studies of orbicularis oculi muscle after the first administration of botulinum toxin. Eur J Neurol. 1999 Jul;6(4):461–7.
51. Bomalaski MN, Claflin ES, Townsend W, Peterson MD. Zolpidem for the Treatment of Neurologic Disorders: A Systematic Review. JAMA Neurol. 2017 Sep 1;74(9):1130–9.
52. Bono F, Salvino D, Cerasa A, Vescio B, Nigro S, Quattrone A. Electrophysiological and structural MRI correlates of dystonic head rotation in drug-naïve patients with torticollis. Parkinsonism Relat Disord. 2015 Dec;21(12):1415–20.
53. Borlot F, Santos MLF, Bandeira M, Liberalesso PB, Kok F, Lohr AJ, et al. Anti-N-methyl D-aspartate receptor encephalitis in childhood. J Pediatr (Rio J). 2012 May;88(3):275–8.
54. Bouckaert F, Herman G, Peuskens J. Rapid remission of severe tardive dyskinesia and tardive dystonia with quetiapine. Int J Geriatr Psychiatry. 2005 Mar;20(3):287–8.
55. Bour LJ, Ongerboer de Visser BW, Koelman JH, van Bruggen GJ, Speelman JD. Soleus H-reflex tests in spasticity and dystonia: A computerized analysis. J Electromyogr Kinesiol. 1991;1(1):9–19.
56. Bradley EA, Hodge DO, Bartley GB. Benign essential blepharospasm among residents of Olmsted County, Minnesota, 1976 to 1995: an epidemiologic study. Ophthalm Plast Reconstr Surg. 2003 May;19(3):177–81.
57. Bradley JP, Barrow EM, Hapner ER, Klein AM, Johns MM 3rd. Botulinum Toxin-A Dosing Trends for Adductor Spasmodic Dysphonia at a Single Institution Over 10 Years. J Voice. 2017 May;31(3):363–5.
58. Brahmi N, Gueye PN, Thabet H, Kouraichi N, Ben Salah N, Amamou M. Extrapyramidal syndrome as a delayed and reversible complication of acute dichlorvos organophosphate poisoning. Vet Hum Toxicol. 2004 Aug;46(4):187–9.
59. Brashear A, Sweedner KJ, Cook JF, Swoboda KJ, Ozelius L. ATP1A3-Related Neurologic Disorders. In: Adam MP, Ardinger HH, Pagon RA, Wallace SE, Bean LJ, Stephens K, et al., editors. GeneReviews((R)). Seattle (WA): University of Washington, Seattle; 1993.
60. Bratt HD, Menelaus MB. Benign paroxysmal torticollis of infancy. J Bone Joint Surg Br. 1992 May;74(3):449–51.
61. Breedveld GJ, Percy AK, MacDonald ME, de Vries BBA, Yapijakis C, Dure LS, et al. Clinical and genetic heterogeneity in benign hereditary chorea. Neurology. 2002 Aug 27;59(4):579–84.
62. Bridgman SA, McNab W. Traumatic occipital condyle fracture, multiple cranial nerve palsies, and torticollis: a case report and review of the literature. Surg Neurol. 1992 Aug;38(2):152–6.
63. Broen M, Haeren R, Hoff E, Temel Y, Schijns O. Hemiballism-hemidystonia after parietal lobe tumour resection. Clin Neurol Neurosurg. 2014 Oct;125:148–50.
64. Brown HW. True and simulated superior oblique tendon sheath syndromes. Doc Ophthalmol. 1973 Feb 21;34(1):123–36.
65. Brown JWL, Martin PJ, Thorpe JW, Michell AW, Coles AJ, Cox AL, et al. Long-term remission with rituximab in refractory leucine-rich glioma inactivated 1 antibody encephalitis. J Neuroimmunol. 2014 Jun 15;271(1–2):66–8.
66. Brudny J, Korein J, Grynbaum BB, Friedmann LW, Weinstein S, Sachs-Frankel G, et al. EMG feedback therapy: review of treatment of 114 patients. Arch Phys Med Rehabil. 1976 Feb;57(2):55–61.
67. BRUN R. [PSYCHOANALYTIC TREATMENT AND CURE OF A WRITER'S CRAMP ASSOCIATED WITH STIFFNESS AND PARESTHESIAS IN THE ARMS]. Acta Psychother Psychosom. 1964;12:382–90.
68. Bruno MK, Hallett M, Gwinn-Hardy K, Sorensen B, Considine E, Tucker S, et al. Clinical

- evaluation of idiopathic paroxysmal kinesigenic dyskinesia: new diagnostic criteria. *Neurology*. 2004 Dec 28;63(12):2280–7.
69. Buerger KJ, Salazar R. Alternating hemidystonia following traumatic brain injury as an unusual presentation of paroxysmal autonomic instability with dystonia syndrome. *BMJ Case Rep*. 2014 Nov 20;2014.
70. Burke RE, Fahn S, Jankovic J, Marsden CD, Lang AE, Gollomp S, et al. Tardive dystonia: late-onset and persistent dystonia caused by antipsychotic drugs. *Neurology*. 1982 Dec;32(12):1335–46.
71. Burtsev EM, Molokov DD. [Diagnosis and sanatorium treatment of the initial manifestations of inadequate blood supply to the brain]. Zh Nevropatol Psichiatr Im S S Korsakova. 1986;86(9):1305–10.
72. Busari OA, Fadare J, Agboola S, Gabriel O, Elegbede O, Oladosu Y. Chloroquine-induced Acute Dystonic Reactions after a Standard Therapeutic Dose for Uncomplicated Malaria. *Sultan Qaboos Univ Med J*. 2013 Aug;13(3):E476-478.
73. Butler AJ, Wolf SL. Transcranial magnetic stimulation to assess cortical plasticity: a critical perspective for stroke rehabilitation. *J Rehabil Med*. 2003 May;(41 Suppl):20–6.
74. Byl NN. Diagnosis and management of focal hand dystonia in a rheumatology practice. *Curr Opin Rheumatol*. 2012 Mar;24(2):222–31.
75. Byl NN. What can we learn from animal models of focal hand dystonia? *Rev Neurol (Paris)*. 2003 Oct;159(10 Pt 1):857–73.
76. Calabro RS, Polimeni G, Gervasi G, Bramanti P. Postthalamic stroke dystonic choreoathetosis responsive to tetrabenazine. *Ann Pharmacother*. 2011 Dec;45(12):e65.
77. Calace P, Cortese G, Piscopo R, Della Volpe G, Gagliardi V, Magli A, et al. Treatment of blepharospasm with botulinum neurotoxin type A: long-term results. *Eur J Ophthalmol*. 2003 May;13(4):331–6.
78. Calheiros-Trigo F, Linhares P. Evaluation of the efficacy of deep brain stimulation in the surgical treatment of cervical dystonia. *Neurocirugia (Astur)*. 2014 Apr;25(2):49–55.
79. Calne S. Local treatment of dystonia and spasticity with injections of botulinum-A toxin. *Axone*. 1993 Jun;14(4):85–8.
80. Camargo CHF, Teive HAG, Becker N, Baran MHH, Scola RH, Werneck LC. Cervical dystonia: clinical and therapeutic features in 85 patients. *Arq Neuropsiquiatr*. 2008 Mar;66(1):15–21.
81. Canavese C, Davico C, Casabianca M, Olivieri C, Mancini S, Migliore G, et al. Bilateral Striatal Necrosis after Sydenham's Chorea in a 7-Year-Old Boy: A 2-Year Follow-Up. *Neuropediatrics*. 2018 Feb 22;
82. Cannas A, Solla P, Mascia M, Muroni A, Floris GL, Borghero G, et al. Pisa-Like Syndrome Under Baclofen in a Patient With Spastic Hemiparesis due to Ischemic Stroke. *Clin Neuropharmacol*. 2015 Oct;38(5):217–9.
83. Cantarin-Extremera V, Duat-Rodriguez A, Gonzalez-Gutierrez-Solana L, Lopez-Marin L, Armangue T. Clinical case of anti-N-methyl-D-aspartate receptor encephalitis in an. *Pediatr Neurol*. 2013 May;48(5):400–2.
84. Cardon T, Wyremblewski P, Lesoin F, Brunaud V, Destee A. [Cavernous angioma of the cervical spinal cord]. *Rev Neurol (Paris)*. 1992;148(2):152–4.
85. Carella F, Ciano C, Musicco M, Scaioli V. Exteroceptive reflexes in dystonia: a study of the recovery cycle of the R2 component of the blink reflex and of the exteroceptive suppression of the contracting sternocleidomastoid muscle in blepharospasm and torticollis. *Mov Disord*. 1994 Mar;9(2):183–7.
86. Caroff SN, Ungvari GS, Cunningham Owens DG. Historical perspectives on tardive dyskinesia. *J Neurol Sci*. 2018 Feb 3;
87. Carpaneto J, Micera S, Galardi G, Micheli A, Carboncini MC, Rossi B, et al. A protocol for the assessment of 3D movements of the head in persons with cervical dystonia. *Clin Biomech (Bristol, Avon)*. 2004 Aug;19(7):659–63.
88. Casella LB, Casella EB, Baldacci ER, Ramos JLA. [Benign paroxysmal torticollis of infancy: diagnosis and clinical evolution of six patients]. *Arq Neuropsiquiatr*. 2006 Sep;64(3B):845–8.
89. Castelbuono A, Miller NR. Spontaneous remission in patients with essential blepharospasm and Meige syndrome. *Am J Ophthalmol*. 1998 Sep;126(3):432–5.

90. Castro-Castro J, Rodino-Padin J, Touceda-Bravo A, Castro-Bouzas D, Pinzon-Millan A. [Cervical spine osteochondroma presenting with torticollis and hemiparesis]. Neurocirugia (Astur). 2014 Apr;25(2):94–7.
91. Cataltepe SU, Barron TF. Benign paroxysmal torticollis presenting as “seizures” in infancy. Clin Pediatr (Phila). 1993 Sep;32(9):564–5.
92. Causey AL, Evans OB, Lewis-Abney K. Intervertebral disk calcification: an unusual cause of acquired torticollis in childhood. Pediatr Emerg Care. 1996 Oct;12(5):356–9.
93. Celayir AC. Congenital muscular torticollis: early and intensive treatment is critical. A prospective study. Pediatr Int. 2000 Oct;42(5):504–7.
94. Cha W, Jang JY, Wang S-G, Kang J-H, Jo M-G. Liquid-type Botulinum Toxin Type A in Adductor Spasmodic Dysphonia: A Prospective Pilot Study. J Voice. 2017 May;31(3):378.e19–378.e24.
95. Chakos MH, Mayerhoff DI, Loebel AD, Alvir JM, Lieberman JA. Incidence and correlates of acute extrapyramidal symptoms in first episode of schizophrenia. Psychopharmacol Bull. 1992;28(1):81–6.
96. Chalmers AJ, Gillham CM, Plowman PN. Nuchal aggressive fibromatosis in childhood: two instructive case reports. Clin Oncol (R Coll Radiol). 2001;13(5):378–83.
97. **Chan J, Brin MF, Fahn S. Idiopathic cervical dystonia: clinical characteristics. Mov Disord. 1991;6(2):119–26.**
98. Chen P-Y, Lin P-Y, Tien S-C, Chang Y-Y, Lee Y. Duloxetine-related tardive dystonia and tardive dyskinesia: a case report. Gen Hosp Psychiatry. 2010 Dec;32(6):646.e9–646.e11.
99. Chen R-S. [Pathophysiology of dystonia]. Acta Neurol Taiwan. 2005 Jun;14(2):84–93.
100. Chen Y-Z, Matsushita MM, Robertson P, Rieder M, Girirajan S, Antonacci F, et al. Autosomal dominant familial dyskinesia and facial myokymia: single exome sequencing identifies a mutation in adenylyl cyclase 5. Arch Neurol. 2012 May;69(5):630–5.
101. Chen Z, Zhao Z, Ye Q, Chen Y, Pan X, Sun B, et al. Mild clinical manifestation and unusual recovery upon coenzyme Q(1)(0) treatment in the first Chinese Leigh syndrome pedigree with mutation m.10197 G>A. Mol Med Rep. 2015 Mar;11(3):1956–62.
102. Choi IS, Cheon HY. Delayed movement disorders after carbon monoxide poisoning. Eur Neurol. 1999;42(3):141–4.
103. Clark GT, Koyano K, Browne PA. Oral motor disorders in humans. J Calif Dent Assoc. 1993 Jan;21(1):19–30.
104. **Claypool DW, Duane DD, Ilstrup DM, Melton LJ 3rd. Epidemiology and outcome of cervical dystonia (spasmodic torticollis) in Rochester, Minnesota. Mov Disord. 1995 Sep;10(5):608–14.**
105. Cogez J, Etard O, Derache N, Defer G. Cutaneous and Mixed Nerve Silent Period Recordings in Symptomatic Paroxysmal Kinesigenic Dyskinesia. Open Neurol J. 2016;10:9–14.
106. Cohen HA, Nussinovitch M, Ashkenazi A, Straussberg R, Kaushansky A. Benign abducens nerve palsy of childhood. Pediatr Neurol. 1993 Oct;9(5):394–5.
107. Cohen LG, Ludlow CL, Warden M, Estegui M, Agostino R, Sedory SE, et al. Blink reflex excitability recovery curves in patients with spasmodic dysphonia. Neurology. 1989 Apr;39(4):572–7.
108. Cohn MC, Hudgins PA, Sheppard SK, Starr PA, Bakay RA. Pre- and postoperative MR evaluation of stereotactic pallidotomy. AJNR Am J Neuroradiol. 1998 Jul;19(6):1075–80.
109. Combe L, Abu-Arafeh I. Status dystonicus in children: Early recognition and treatment prevent serious complications. Eur J Paediatr Neurol. 2016 Nov;20(6):966–70.
110. Constantoyannis C, Kagadis GC, Ellul J, Kefalopoulou Z, Chroni E. Nucleus ventralis oralis deep brain stimulation in postanoxic dystonia. Mov Disord. 2009 Jan 30;24(2):306–8.
111. Cooper IS, Cullinan T, Riklan M. The natural history of dystonia. Adv Neurol. 1976;14:157–69.
112. Costa PG, Aoki L, Saraiva FP, Matayoshi S. [Botulinum toxin in the treatment of facial dystonia: evaluation of its efficacy and patients' satisfaction along the treatment]. Arq Bras Oftalmol. 2005 Aug;68(4):471–4.
113. Coubes P, Roubertie A, Vayssiére N, Hemm S, Echenne B. Treatment of DYT1-generalised dystonia by stimulation of the internal globus pallidus. Lancet. 2000 Jun 24;355(9222):2220–1.
114. Cowan IA, Inglis GS. Atlanto-axial rotatory fixation: improved demonstration using spiral CT. Australas Radiol. 1996 May;40(2):119–24.

115. Craver RD, Duncan MC, Nelson JS. Familial dystonia and choreoathetosis in three generations associated with bilateral striatal necrosis. *J Child Neurol.* 1996 May;11(3):185–8.
116. Crawford P, Zimmerman EE. Differentiation and diagnosis of tremor. *Am Fam Physician.* 2011 Mar 15;83(6):697–702.
117. Crawford P, Zimmerman EE. Tremor: Sorting Through the Differential Diagnosis. *Am Fam Physician.* 2018 Feb 1;97(3):180–6.
118. Cruccu G, Pauletti G, Agostino R, Berardelli A, Manfredi M. Masseter inhibitory reflex in movement disorders. Huntington's chorea, Parkinson's disease, dystonia, and unilateral masticatory spasm. *Electroencephalogr Clin Neurophysiol.* 1991 Feb;81(1):24–30.
119. Cuenca-Leon E, Banchs I, Serra SA, Latorre P, Fernandez-Castillo N, Corominas R, et al. Late-onset episodic ataxia type 2 associated with a novel loss-of-function mutation in the CACNA1A gene. *J Neurol Sci.* 2009 May 15;280(1–2):10–4.
120. Cure S, Carpenter S. Droperidol for acute psychosis. *Cochrane Database Syst Rev.* 2001;(2):CD002830.
121. Cure S, Rathbone J, Carpenter S. Droperidol for acute psychosis. *Cochrane Database Syst Rev.* 2004 Oct 18;(4):CD002830.
122. Cuvelier GDE, Davis JH, Purves EC, Wu JK. Torticollis as a sign of cervico-thoracic epidural haematoma in an infant with severe haemophilia A. *Haemophilia.* 2006 Nov;12(6):683–6.
123. Daentzer D, Studer D, Wirth CJ. [Muscular torticollis]. *Oper Orthop Traumatol.* 2010 May;22(2):177–87.
124. Dale RC, Singh H, Troedson C, Pillai S, Gaikiwari S, Kozlowska K. A prospective study of acute movement disorders in children. *Dev Med Child Neurol.* 2010 Aug;52(8):739–48.
125. Dale RC, Webster R, Gill D. Contemporary encephalitis lethargica presenting with agitated catatonia, stereotypy, and dystonia-parkinsonism. *Mov Disord.* 2007 Nov 15;22(15):2281–4.
126. Dalvi A, Winfield L, Yu Q, Cote L, Goodman RR, Pullman SL. Stereotactic posteroverentral pallidotomy: clinical methods and results at 1-year follow up. *Mov Disord.* 1999 Mar;14(2):256–61.
127. Das BK, Matin A, Hassan GZ, Hossain MZ, Zaman MA. Congenital muscular torticollis: experience of 14 cases. *Mymensingh Med J.* 2010 Oct;19(4):555–60.
128. Dauer WT, Burke RE, Greene P, Fahn S. Current concepts on the clinical features, aetiology and management of idiopathic cervical dystonia. *Brain.* 1998 Apr;121 ( Pt 4):547–60.
129. DE AJURIAGUERRA J, GARCIA BADARACCO J, SOUBIRAN G, TRILLAT E. [Treatment of writer's cramp by relaxation; the cure process from the tonic experience]. *Encephale.* 1956;45(2):141–71.
130. de Ajuriaguerra J, Garcia Badaracco J, Trillat E, Soubran G. [The treatment of the writer's cramp by relaxation (the process of healing from the beginning of the relaxing experience)]. 1956]. *Encephale.* 2002 Oct;28 Spec No 2:75–95.
131. de Lisle R, Speedy DB, Thompson J. Pianism retraining via video conferencing as a means of assisting recovery from focal dystonia: a case study. *Med Probl Perform Art.* 2010 Sep;25(3):126–9.
132. de Souza A, Desai PK. Delayed chorea after recovery from a symmetric parkinsonian syndrome due to striatal myelinolysis. *J Clin Neurosci.* 2012 Aug;19(8):1165–7.
133. Defazio G, Conte A, Gigante AF, Ferrazzano G, Pellicciari R, Dagostino S, et al. Clinical heterogeneity in patients with idiopathic blepharospasm: A cluster analysis. *Parkinsonism Relat Disord.* 2017 Jul;40:64–8.
134. **Defazio G, Lamberti P, Lepore V, Livrea P, Ferrari E. Facial dystonia: clinical features, prognosis and pharmacology in 31 patients. *Ital J Neurol Sci.* 1989 Dec;10(6):553–60.**
135. Defazio G, Lepore V, Melpignano C, Lamberti P, Livrea P, Ferrari E. Cervical radiculopathy following botulinum toxin therapy for cervical dystonia. *Funct Neurol.* 1993 Jun;8(3):193–6.
136. Defazio G, Livrea P, Lamberti P, De Salvia R, Laddomada G, Giorelli M, et al. Isolated so-called apraxia of eyelid opening: report of 10 cases and a review of the literature. *Eur Neurol.* 1998;39(4):204–10.
137. Deichmueller CMC, Welkoborsky H-J. Grisel's syndrome--a rare complication following "small" operations and infections in the ENT region. *Eur Arch Otorhinolaryngol.* 2010 Sep;267(9):1467–73.
138. Delli Pizzi S, Bellomo RG, Carmignano SM, Ancona E, Franciotti R, Supplizi M, et al.

- Rehabilitation program based on sensorimotor recovery improves the static and dynamic balance and modifies the basal ganglia neurochemistry: A pilot 1H-MRS study on Parkinson's disease patients. *Medicine (Baltimore)*. 2017 Dec;96(50):e8732.
139. Demircioglu FE, Sosa BA, Ingram J, Ploegh HL, Schwartz TU. Structures of TorsinA and its disease-mutant complexed with an activator reveal the molecular basis for primary dystonia. *Elife*. 2016 Aug 4;5.
140. Deon LL, Kalichman MA, Booth CL, Slavin KV, Gaebler-Spira DJ. Pallidal deep-brain stimulation associated with complete remission of self-injurious behaviors in a patient with Lesch-Nyhan syndrome: a case report. *J Child Neurol*. 2012 Jan;27(1):117–20.
141. Deonna T, Ferreira A. Idiopathic fluctuating dystonia: a case of foot dystonia and writer's cramp responsive to L-dopa. *Dev Med Child Neurol*. 1985 Dec;27(6):819–21.
142. Detrembleur C, van den Hecke A, Dierick F. Motion of the body centre of gravity as a summary indicator of the mechanics of human pathological gait. *Gait Posture*. 2000 Dec;12(3):243–50.
143. Detrie P, Elghozi L. [The functional result of surgery of hiatus hernia (author's transl)]. *J Chir (Paris)*. 1979 Jan;116(1):11–4.
144. Devos D, Defebvre L, Destee A, Caron J. Choreic movements induced by cibenzoline: an Ic class antiarrhythmic effect? *Mov Disord*. 2000 Sep;15(5):1030–1.
145. Di Capua M, Bertini E. Remission in dihydroxyphenylalanine-responsive dystonia. *Mov Disord*. 1995 Mar;10(2):223.
146. Di Rosa G, Spano M, Pustorino G, Ferrari MD, Stam AH, Sgro DL, et al. Alternating hemiplegia of childhood successfully treated with topiramate: 18 months of follow-up. *Neurology*. 2006 Jan 10;66(1):146.
147. DiFrancesco MF, Halpern CH, Hurtig HH, Baltuch GH, Heuer GG. Pediatric indications for deep brain stimulation. *Childs Nerv Syst*. 2012 Oct;28(10):1701–14.
148. DiMario FJJ. Childhood head tremor. *J Child Neurol*. 2000 Jan;15(1):22–5.
149. Dmitrieva VS, Kozel'tsev AL, Pisareva EI. [Neurocirculatory asthenia in patients with odontogenic inflammatory processes]. *Vestn Khir Im I I Grek*. 1985 Feb;134(2):51–2.
150. Dolce G, Lucca LF, Riganello F, Arcuri F, Quintieri M, Cortese MD, et al. Advances in the neurorehabilitation of severe disorder of consciousness. *Ann Ist Super Sanita*. 2014;50(3):234–40.
151. Dooley JM, Furey S, Gordon KE, Wood EP. Fever-induced dystonia. *Pediatr Neurol*. 2003 Feb;28(2):149–50.
152. Dressler D, Karapantzou C, Rohrbach S, Schneider S, Laskawi R. Frontalis suspension surgery to treat patients with blepharospasm and eyelid opening apraxia: long-term results. *J Neural Transm (Vienna)*. 2017 Feb;124(2):253–7.
153. Dressler D. Tardive dystonic syndrome induced by the calcium-channel blocker amlodipine. *J Neural Transm (Vienna)*. 2014 Apr;121(4):367–9.
154. Drigo P, Carli G, Laverda AM. Benign paroxysmal torticollis of infancy. *Brain Dev*. 2000 May;22(3):169–72.
155. Duane DD. Spasmodic torticollis. *Adv Neurol*. 1988;49:135–50.
156. Dubousset J, Queneau P. [Congenital anomalies of crano vertebral junction in children. Indications for surgery (author's transl)]. *Rev Chir Orthop Reparatrice Appar Mot*. 1981;67(3):383–94.
157. Dunn DW, Snyder CH. Benign paroxysmal vertigo of childhood. *Am J Dis Child*. 1976 Oct;130(10):1099–100.
158. Dutta S, Albanese CT. Transaxillary subcutaneous endoscopic release of the sternocleidomastoid muscle for treatment of persistent torticollis. *J Pediatr Surg*. 2008 Mar;43(3):447–50.
159. Dutton JJ, Fowler AM. Botulinum toxin in ophthalmology. *Surv Ophthalmol*. 2007 Feb;52(1):13–31.
160. Eberhardt O, Reithmeier T, Topka H. [Long-term effects of deep brain stimulation for movement disorders: a literature-based analysis]. *Nervenarzt*. 2014 Dec;85(12):1551–60.
161. Ebrahimi-Fakhari D, Maas B, Haneke C, Niehues T, Hinderhofer K, Assmann BE, et al. Disruption of SOX6 is associated with a rapid-onset dopa-responsive movement disorder, delayed development, and dysmorphic features. *Pediatr Neurol*. 2015 Jan;52(1):115–8.
162. Edwards CA, Kouzani A, Lee KH, Ross EK. Neurostimulation Devices for the Treatment of Neurologic Disorders. *Mayo Clin Proc*. 2017 Sep;92(9):1427–44.

163. Eekhof JL, Aramideh M, Bour LJ, Hilgevoord AA, Speelman HD, Ongerboer de Visser BW. Blink reflex recovery curves in blepharospasm, torticollis spasmodica, and hemifacial spasm. *Muscle Nerve*. 1996 Jan;19(1):10–5.
164. Egidi M, Franzini A, Marras C, Cavallo M, Mondani M, Lavano A, et al. A survey of Italian cases of dystonia treated by deep brain stimulation. *J Neurosurg Sci*. 2007 Dec;51(4):153–8.
165. Eldridge R, Ince SE, Chernow B, Milstien S, Lake CR. Dystonia in 61-year-old identical twins: observations over 45 years. *Ann Neurol*. 1984 Sep;16(3):356–8.
166. Eldridge R. Variable course of the hereditary dystonias. *Adv Neurol*. 1976;14:171–6.
167. Eleopra R, Tognoli V, Quatiale R, Gastaldo E, Rossetto O, De Grandis D, et al. Botulinum neurotoxin serotypes A and C do not affect motor units survival in humans: an electrophysiological study by motor units counting. *Clin Neurophysiol*. 2002 Aug;113(8):1258–64.
168. Eleopra R, Tognoli V, Rossetto O, De Grandis D, Montecucco C. Different time courses of recovery after poisoning with botulinum neurotoxin serotypes A and E in humans. *Neurosci Lett*. 1998 Nov 13;256(3):135–8.
169. Elias GJB, Namasivayam AA, Lozano AM. Deep brain stimulation for stroke: Current uses and future directions. *Brain Stimul*. 2018 Feb;11(1):3–28.
170. Elston JS, Granje FC, Lees AJ. The relationship between eye-winking tics, frequent eye-blinking and blepharospasm. *J Neurol Neurosurg Psychiatry*. 1989 Apr;52(4):477–80.
171. Emery C. The determinants of treatment duration for congenital muscular torticollis. *Phys Ther*. 1994 Oct;74(10):921–9.
172. Erazo R, Gonzalez J, Quintanilla C, Devaud C, Gayoso C, Toledo X, et al. [Subacute anti-N-methyl-D-aspartate receptor encephalitis. A serie of 13 paediatric cases]. *Rev Chil Pediatr*. 2016 Dec;87(6):487–93.
173. Esquenazi A, Novak I, Sheean G, Singer BJ, Ward AB. International consensus statement for the use of botulinum toxin treatment in adults and children with neurological impairments--introduction. *Eur J Neurol*. 2010 Aug;17 Suppl 2:1–8.
174. Factor SA, Lew MF, Trosch RM. Current and emerging treatments for cervical dystonia. *CNS Spectr*. 2000 Jun;5(6 Suppl 5):S1–8.
175. Factor SA. Head tremor after a remission of spasmodic torticollis. *Mov Disord*. 1990;5(4):353–4.
176. Fahn S, Sjaastad O. Hereditary essential myoclonus in a large Norwegian family. *Mov Disord*. 1991;6(3):237–47.
177. Fahn S. Treatment of tardive dyskinesia: use of dopamine-depleting agents. *Clin Neuropharmacol*. 1983 Jun;6(2):151–8.
178. Fasano A, Tinazzi M. Functional facial and tongue movement disorders. *Handb Clin Neurol*. 2016;139:353–65.
179. Fasano A, Valadas A, Bhatia KP, Prashanth LK, Lang AE, Munhoz RP, et al. Psychogenic facial movement disorders: clinical features and associated conditions. *Mov Disord*. 2012 Oct;27(12):1544–51.
180. Fdhil H, Krebs MO, Bayle F, Vanelle JM, Olie JP. [Risperidone-induced tardive dystonia: a case of torticollis]. *Encephale*. 1998 Dec;24(6):581–3.
181. Fekete R. Paroxysmal nonkinesigenic dyskinesia with tremor. *Case Rep Neurol Med*. 2013;2013:927587.
182. Fernandez HH, Friedman JH. Classification and treatment of tardive syndromes. *Neurologist*. 2003 Jan;9(1):16–27.
183. Ferriero DM. Can better disease definition lead to cure? *Curr Opin Pediatr*. 2004 Dec;16(6):615–6.
184. Finke C, Pruss H, Heine J, Reuter S, Kopp UA, Wegner F, et al. Evaluation of Cognitive Deficits and Structural Hippocampal Damage in Encephalitis With Leucine-Rich, Glioma-Inactivated 1 Antibodies. *JAMA Neurol*. 2017 Jan 1;74(1):50–9.
185. Flanagan SR, Kwasnica C, Brown AW, Elovic EP, Kothari S. Congenital and acquired brain injury. 2. Medical rehabilitation in acute and subacute settings. *Arch Phys Med Rehabil*. 2008 Mar;89(3 Suppl 1):S9–14.
186. Florance NR, Davis RL, Lam C, Szperka C, Zhou L, Ahmad S, et al. Anti-N-methyl-D-aspartate receptor (NMDAR) encephalitis in children and adolescents. *Ann Neurol*. 2009 Jul;66(1):11–8.

187. Fong P-Y, Edwards MJ, Lu C-S, Chen R-S, Rothwell JC, Bhatia KP, et al. Abnormal blink reflex recovery cycle in manifesting and nonmanifesting carriers of the DYT1 gene mutation. *Neuroreport*. 2016 Sep 28;27(14):1046–9.
188. Foran PG, Mohammed N, Lisk GO, Nagwaney S, Lawrence GW, Johnson E, et al. Evaluation of the therapeutic usefulness of botulinum neurotoxin B, C1, E, and F compared with the long lasting type A. Basis for distinct durations of inhibition of exocytosis in central neurons. *J Biol Chem*. 2003 Jan 10;278(2):1363–71.
189. Franzini A, Ferroli P, Servello D, Broggi G. Reversal of thalamic hand syndrome by long-term motor cortex stimulation. *J Neurosurg*. 2000 Nov;93(5):873–5.
190. Frasson E, Priori A, Bertolasi L, Mauguiere F, Fiaschi A, Tinazzi M. Somatosensory disinhibition in dystonia. *Mov Disord*. 2001 Jul;16(4):674–82.
191. **Friedman A, Fahn S. Spontaneous remissions in spastic torticollis. *Neurology*. 1986 Mar;36(3):398–400.**
192. Frisardi G, Iani C, Sau G, Frisardi F, Leornadis C, Lumbau A, et al. A relationship between bruxism and orofacial-dystonia? A trigeminal electrophysiological approach in a case report of pineal cavernoma. *Behav Brain Funct*. 2013 Oct 28;9:41.
193. **Frucht SJ, Fahn S, Greene PE, O'Brien C, Gelb M, Truong DD, et al. The natural history of embouchure dystonia. *Mov Disord*. 2001 Sep;16(5):899–906.**
194. Gabis LV, Panasci DJ, Andriola MR, Huang W. Acute disseminated encephalomyelitis: an MRI/MRS longitudinal study. *Pediatr Neurol*. 2004 May;30(5):324–9.
195. Gan EC, Lau DP, Cheah KL. Stridor in Parkinson's disease: a case of "dry drowning"? *J Laryngol Otol*. 2010 Jun;124(6):668–73.
196. Ganesan V. Outcome and rehabilitation after childhood stroke. *Handb Clin Neurol*. 2013;112:1079–83.
197. Garces P, Reyes AR, Reig R, Martinez E, Alonso S, Carrasco R. [Infantile bilateral striate necrosis]. *Rev Neurol*. 2001 May 16;32(10):938–41.
198. Garcia C, Correia CR, Lopes L. Pseudohypoparathyroidism type 1B - a rare cause of tetany: case report. *Paediatr Int Child Health*. 2017 Jun 26;1–4.
199. Garcia L. My battle with spastic torticollis: a healing experience. *Holist Nurs Pract*. 2006 Dec;20(6):275–81.
200. Gernert M, Bennay M, Fedrowitz M, Rehders JH, Richter A. Altered discharge pattern of basal ganglia output neurons in an animal model of idiopathic dystonia. *J Neurosci*. 2002 Aug 15;22(16):7244–53.
201. Gernert M, Richter A, Loscher W. Alterations in spontaneous single unit activity of striatal subdivisions during ontogenesis in mutant dystonic hamsters. *Brain Res*. 1999 Mar 13;821(2):277–85.
202. Gherpelli JL, Nagae LM, Diament A. DOPA-sensitive progressive dystonia of childhood with diurnal fluctuations of symptoms: a case report. *Arq Neuropsiquiatr*. 1995 Jun;53(2):298–301.
203. **Giladi N, Meer J, Kidan H, Honigman S. Long-term remission of idiopathic cervical dystonia after treatment with botulinum toxin. *Eur Neurol*. 2000;44(3):144–6.**
204. Gilio F, Suppa A, Bologna M, Lorenzano C, Fabbrini G, Berardelli A. Short-term cortical plasticity in patients with dystonia: a study with repetitive transcranial magnetic stimulation. *Mov Disord*. 2007 Jul 30;22(10):1436–43.
205. Gimeno H, Lumsden D, Gordon A, Tustin K, Ashkan K, Selway R, et al. Improvement in upper limb function in children with dystonia following deep brain stimulation. *Eur J Paediatr Neurol*. 2013 Jul;17(4):353–60.
206. Goel A, Shah A. Atlantoaxial facet locking: treatment by facet manipulation and fixation. Experience in 14 cases. *J Neurosurg Spine*. 2011 Jan;14(1):3–9.
207. Goldensohn ES, Appel SH, editors. DeMyer W. *Spasmodic torticollis, status marmoratus and status dyemyelinatus*. In: *Scientific approaches to clinical neurology*. Philadelphia: Lea & Febiger; 1977. p. 1234–47.
208. Goodchild RE, Dauer WT. The AAA+ protein torsinA interacts with a conserved domain present in LAP1 and a novel ER protein. *J Cell Biol*. 2005 Mar 14;168(6):855–62.
209. Gorbunov FE, Sichinava NV, Vygodskaya SN, Nyvakhova MB, Ukhanova TA. [Potential of combined physiotherapy for the treatment of circulatory insufficiency in the vertebrobasilar system]. *Vopr Kurortol Fizioter Lech Fiz Kult*. 2011 Aug;(4):3–7.

210. Gormley MEJ. Treatment of neuromuscular and musculoskeletal problems in cerebral palsy. *Pediatr Rehabil.* 2001 Mar;4(1):5–16.
211. Goscinski I, Moskala M, Polak J. [Remote results of stereotactic treatment of dystonia]. *Neurol Neurochir Pol.* 2003;37 Suppl 5:27–30.
212. Grafton ST, Bahls FH, Bell KR. Acquired focal dystonia following recovery from central pontine myelinolysis. *J Neurol Neurosurg Psychiatry.* 1988 Oct;51(10):1354–5.
- 213. Grandas F, Elston J, Quinn N, Marsden CD. Blepharospasm: a review of 264 patients. *J Neurol Neurosurg Psychiatry.* 1988 Jun;51(6):767–72.**
214. Gray D. About the lecture by a physician. *J Pain Palliat Care Pharmacother.* 2011;25(2):171–3.
215. Greco F, Finocchiaro M, Spina M, Rotolo N, Incorpa G. [Sandifer's syndrome: a rare form of torticollis in childhood. A report of a patient]. *Pediatr Med Chir.* 1997 Jun;19(3):227–30.
216. Gruber D, Trottenberg T, Kivi A, Schoenecker T, Kopp UA, Hoffmann KT, et al. Long-term effects of pallidal deep brain stimulation in tardive dystonia. *Neurology.* 2009 Jul 7;73(1):53–8.
217. Guala A, Manieri S, Ghini T, Germinetti V, Mittino D, Cerruti Mainardi P. [Spasmus nutans. A re-emergent pathology?]. *Minerva Pediatr.* 1994 Aug;46(7–8):351–4.
218. Guerrini R, Melani F, Brancati C, Ferrari AR, Brovedani P, Biggeri A, et al. Dysgraphia as a Mild Expression of Dystonia in Children with Absence Epilepsy. *PLoS One.* 2015;10(7):e0130883.
219. Guettard E, Roze E, Abada G, Lemesle C, Vidailhet M, Laurent-Vannier A, et al. Management of spasticity and dystonia in children with acquired brain injury with rehabilitation and botulinum toxin A. *Dev Neurorehabil.* 2009 Jun;12(3):128–38.
220. Hamann M, Richter A, Meillasson FV, Nitsch C, Ebert U. Age-related changes in parvalbumin-positive interneurons in the striatum, but not in the sensorimotor cortex in dystonic brains of the dt(sz) mutant hamster. *Brain Res.* 2007 May 30;1150:190–9.
221. Hamann M, Richter A. Striatal increase of extracellular dopamine levels during dystonic episodes in a genetic model of paroxysmal dyskinesia. *Neurobiol Dis.* 2004 Jun;16(1):78–84.
222. Hamann M, Sander SE, Richter A. Age-dependent alterations of striatal calretinin interneuron density in a genetic animal model of primary paroxysmal dystonia. *J Neuropathol Exp Neurol.* 2005 Sep;64(9):776–81.
223. Hamann M, Sohr R, Morgenstern R, Richter A. Extracellular amino acid levels in the striatum of the dt(sz) mutant, a model of paroxysmal dystonia. *Neuroscience.* 2008 Nov 11;157(1):188–95.
224. Hanson M. Use of chemodenervation in dystonic conditions. *Cleve Clin J Med.* 2012 Jul;79 Suppl 2:S25–29.
225. Har-Gil M, Evrani M, Watemberg N. Torticollis as the only manifestation of acute disseminated encephalomyelitis. *J Child Neurol.* 2010 Nov;25(11):1415–8.
226. Hartl DM, Cohen M, Julieron M, Marandas P, Janot F, Bourhis J. Botulinum toxin for radiation-induced facial pain and trismus. *Otolaryngol Head Neck Surg.* 2008 Apr;138(4):459–63.
227. Hashimoto Y, Ota T, Mukaino M, Liu M, Ushiba J. Functional recovery from chronic writer's cramp by brain-computer interface rehabilitation: a case report. *BMC Neurosci.* 2014 Sep 1;15:103.
228. Havaki-Kontaxaki BJ, Kontaxakis VP, Margariti MM, Paplos KG, Christodoulou GN. Treatment of severe neuroleptic-induced tardive torticollis. *Ann Gen Hosp Psychiatry.* 2003 Oct 17;2(1):9.
229. He F, Zhang S, Qian F, Zhang C. Delayed dystonia with striatal CT lucencies induced by a mycotoxin (3-nitropropionic acid). *Neurology.* 1995 Dec;45(12):2178–83.
- 230. Heinen F, Scheidt CE, Nickel T, Rayki O, Wissel J, Poewe W, et al. Spasmodic torticollis - a multicentre study on behavioural aspects II: signs, symptoms and course. *Behav Neurol.* 1996;9(2):81–8.**
231. Hemo Y, Macdcessi SJ, Pierce RA, Aiona MD, Sussman MD. Outcome of patients after Achilles tendon lengthening for treatment of idiopathic toe walking. *J Pediatr Orthop.* 2006 Jun;26(3):336–40.
232. Hervey-Jumper SL, Justice D, Vanaman MM, Nelson VS, Yang LJ-S. Torticollis associated with neonatal brachial plexus palsy. *Pediatr Neurol.* 2011 Nov;45(5):305–10.
- 233. HERZ E, GLASER GH. Spasmodic torticollis; clinical evaluation. *Arch Neurol Psychiatry.* 1949 Mar;61(3):227–39.**
234. Hewett JW, Zeng J, Niland BP, Bragg DC, Breakefield XO. Dystonia-causing mutant torsinA

- inhibits cell adhesion and neurite extension through interference with cytoskeletal dynamics. *Neurobiol Dis.* 2006 Apr;22(1):98–111.
235. Hoehn KS, Capouya JD, Daum RS, Glikman D, Gossett JG, Hafzalah M, et al. Lemierre-like syndrome caused by community-associated methicillin-resistant *Staphylococcus aureus* complicated by hemorrhagic pericarditis. *Pediatr Crit Care Med.* 2010 May;11(3):e32-35.
236. Hogikyan ND, Wodchis WP, Spak C, Kileny PR. Longitudinal effects of botulinum toxin injections on voice-related quality of life (V-RQOL) for patients with adductory spasmodic dysphonia. *J Voice.* 2001 Dec;15(4):576–86.
237. Holm R, Einholm AP, Andersen JP, Vilsen B. Rescue of Na<sup>+</sup> affinity in aspartate 928 mutants of Na<sup>+</sup>,K<sup>+</sup>-ATPase by secondary mutation of glutamate 314. *J Biol Chem.* 2015 Apr 10;290(15):9801–11.
238. Hori A, Hirose G, Kataoka S, Tsukada K, Furui K, Tonami H. Delayed postanoxic encephalopathy after strangulation. Serial neuroradiological and neurochemical studies. *Arch Neurol.* 1991 Aug;48(8):871–4.
239. Hori A, Hirose G, Kataoka S, Tsukada K, Tonami H. [Delayed postanoxic encephalopathy after strangulation--the serial neuroradiological and neurochemical studies]. *Rinsho Shinkeigaku.* 1990 Jul;30(7):731–7.
240. Hsiao C-L, Kuo H-C, Huang C-C. Delayed encephalopathy after carbon monoxide intoxication--long-term prognosis and correlation of clinical manifestations and neuroimages. *Acta Neurol Taiwan.* 2004 Jun;13(2):64–70.
241. Hsu P-T, Chung H-Y, Wang J-L, Lew HL. Successful conservative treatment of chronic atlantoaxial rotatory fixation in a child with torticollis. *Am J Phys Med Rehabil.* 2010 Sep;89(9):776–8.
242. Hsu P-T, Liou I-H, Sun S-F, Hwang C-W, Wang J-L. Effect of rehabilitation on a child with atlantoaxial rotatory fixation. *Spine (Phila Pa 1976).* 2013 Apr 20;38(9):E569-572.
243. Huang Y-Z, Trender-Gerhard I, Edwards MJ, Mir P, Rothwell JC, Bhatia KP. Motor system inhibition in dopa-responsive dystonia and its modulation by treatment. *Neurology.* 2006 Apr 11;66(7):1088–90.
244. Humphreys A, Tanner AR. Acute dystonic drug reaction or tetanus? An unusual consequence of a “Whizz” overdose. *Hum Exp Toxicol.* 1994 May;13(5):311–2.
245. Huston OO, Watson RE, Bernstein MA, McGee KP, Stead SM, Gorman DA, et al. Intraoperative magnetic resonance imaging findings during deep brain stimulation surgery. *J Neurosurg.* 2011 Oct;115(4):852–7.
246. Iacono RP, Kuniyoshi SM, Lonser RR, Maeda G, Inae AM, Ashwal S. Simultaneous bilateral pallidoansotomy for idiopathic dystonia musculorum deformans. *Pediatr Neurol.* 1996 Feb;14(2):145–8.
247. Ibrahim NM, Martino D, van de Warrenburg BPC, Quinn NP, Bhatia KP, Brown RJ, et al. The prognosis of fixed dystonia: a follow-up study. *Parkinsonism Relat Disord.* 2009 Sep;15(8):592–7.
248. Iliadi KG, Gluscencova OB, Iliadi N, Boulianane GL. Mutations in the *Drosophila* homolog of human PLA2G6 give rise to age-dependent loss of psychomotor activity and neurodegeneration. *Sci Rep.* 2018 Feb 13;8(1):2939.
249. Intiso D, Basciani M, Santamato A, Intiso M, Di Rienzo F. Botulinum Toxin Type A for the Treatment of Neuropathic Pain in Neuro-Rehabilitation. *Toxins (Basel).* 2015 Jun 30;7(7):2454–80.
250. Irani SR, Stagg CJ, Schott JM, Rosenthal CR, Schneider SA, Pettingill P, et al. Faciobrachial dystonic seizures: the influence of immunotherapy on seizure control and prevention of cognitive impairment in a broadening phenotype. *Brain.* 2013 Oct;136(Pt 10):3151–62.
251. Isaacs A. Remission of writer’s cramp with sertraline. *Australas Psychiatry.* 2008 Feb;16(1):55.
252. Isaias IU, Volkmann J, Kupsch A, Burgunder J-M, Ostrem JL, Alterman RL, et al. Factors predicting protracted improvement after pallidal DBS for primary dystonia: the role of age and disease duration. *J Neurol.* 2011 Aug;258(8):1469–76.
253. Itshayek E, Goldman J, Rosenthal G, Chikoya L, Gomori M, Segal R. Extradural hematoma of the clivus, not limited to the severely injured patient: case report and review of the literature. *J Trauma.* 2006 Feb;60(2):417–20.
254. Jabre MG, Nohra G, Bejjani B-PW. Deep brain stimulation in the management of pantothenate

- kinase-associated neurodegeneration: a missed or a new target? *Eur J Paediatr Neurol.* 2010 May;14(3):290–1.
255. **Jahanshahi M, Marion MH, Marsden CD.** *Natural history of adult-onset idiopathic torticollis.* *Arch Neurol.* 1990 May;47(5):548–52.
256. Jankovic J, Orman J. Blepharospasm: demographic and clinical survey of 250 patients. *Ann Ophthalmol.* 1984 Apr;16(4):371–6.
257. Jayakrishnan VK, Teasdale E. Torticollis due to atlanto-axial rotatory fixation following general anaesthesia. *Br J Neurosurg.* 2000 Dec;14(6):583–5.
258. **Jayne D, Lees AJ, Stern GM.** *Remission in spasmodic torticollis.* *J Neurol Neurosurg Psychiatry.* 1984 Nov;47(11):1236–7.
259. Jhee SS, Zarotsky V, Mohaupt SM, Yones CL, Sims SJ. Delayed onset of oculogyric crisis and torticollis with intramuscular haloperidol. *Ann Pharmacother.* 2003 Oct;37(10):1434–7.
260. Jho HD, Jannetta PJ. Microvascular decompression for spasmodic torticollis. *Acta Neurochir (Wien).* 1995;134(1–2):21–6.
261. Ji X-N, Xu C-J, Gao Z-J, Chen S-H, Xu K-M, Chen Q. [Glucose transporter 1 deficiency syndrome: features of movement disorders, diagnosis and treatment]. *Zhongguo Dang Dai Er Ke Za Zhi.* 2018 Mar;20(3):209–13.
262. Jiang H, Xiang Y, Hu X, Cai H. Acrylamide inhibits nerve sprouting induced by botulinum toxin type A. *Neural Regen Res.* 2014 Aug 15;9(16):1525–31.
263. Jimenez-Genchi A, Diaz-Galviz JL, Garcia-Reyna JC, Avila-Ordonez MU. Coexistence of epileptic nocturnal wanderings and an arachnoid cyst. *J Clin Sleep Med.* 2007 Jun 15;3(4):399–401.
264. Jin D, Yoon WT, Suh BC, Moon H-S, Chung P-W, Kim YB. Exacerbation of idiopathic paroxysmal kinesigenic dyskinesia in remission state caused by secondary hypoparathyroidism with hypocalcemia after thyroidectomy: evidence for ion channelopathy. *Brain Dev.* 2012 Nov;34(10):840–3.
265. Joe S, Park J, Lim J, Park C, Ahn J. Remission of irreversible aripiprazole-induced tardive dystonia with clozapine: a case report. *BMC Psychiatry.* 2015 Oct 19;15:253.
266. Junghans C, Vukojevic V, Tavraz NN, Maksimov EG, Zuschratter W, Schmitt F-J, et al. Disruption of Ankyrin B and Caveolin-1 Interaction Sites Alters Na(+),K(+)-ATPase Membrane Diffusion. *Biophys J.* 2017 Nov 21;113(10):2249–60.
267. Kalita J, Misra UK, Pandey S, Dhole TN. A comparison of clinical and radiological findings in adults and children with Japanese encephalitis. *Arch Neurol.* 2003 Dec;60(12):1760–4.
268. Kalita J, Misra UK. Markedly severe dystonia in Japanese encephalitis. *Mov Disord.* 2000 Nov;15(6):1168–72.
269. Kandel' EI. [Stereotaxic method of treating extrapyramidal spastic torticollis]. *Zh Vopr Neirokhir Im N N Burdenko.* 1984 Dec;(6):28–34.
270. Kaneko Y, Kumashiro H, Yashima Y, Kowada M. Dystonic movement disorders and their treatment--report of three cases. *Fukushima J Med Sci.* 1978;25(3–4):109–20.
271. Kang DW, Kang JH, Lee MS, Chang JW. Posttraumatic hemidystonia treated with unilateral globus pallidus interna stimulation: Long-term follow-up and radiologic features. *Neuromodulation.* 2010 Oct;13(4):261–4.
272. Kang UJ, Burke RE, Fahn S. Tardive dystonia. *Adv Neurol.* 1988;50:415–29.
273. Kaplan Z, Benjamin J, Zohar J. Remission of Tardive Dystonia with ECT. *Convuls Ther.* 1991;7(4):280–3.
274. Katzman B, Lu LW, Tiwari RP. Spasmus nutans in identical twins. *Ann Ophthalmol.* 1981 Oct;13(10):1193–5.
275. Kaufman R. Comanagement and collaborative care of a 20-year-old female with acute viral torticollis. *J Manipulative Physiol Ther.* 2009 Feb;32(2):160–5.
276. Keane JR. Hysterical gait disorders: 60 cases. *Neurology.* 1989 Apr;39(4):586–9.
277. Keim L, Koneru S, Ramos VFM, Murr N, Hoffnung DS, Murman DL, et al. Hyperbaric oxygen for late sequelae of carbon monoxide poisoning enhances neurological recovery: case report. *Undersea Hyperb Med.* 2018 Feb;45(1):83–7.
278. Kenmoku T, Ochiai N, Ohtori S, Saisu T, Sasho T, Nakagawa K, et al. Degeneration and recovery of the neuromuscular junction after application of extracorporeal shock wave therapy. *J Orthop Res.* 2012 Oct;30(10):1660–5.

279. Kieslinger K, Holler Y, Bergmann J, Golaszewski S, Staffen W. Successful treatment of musician's dystonia using repetitive transcranial magnetic stimulation. *Clin Neurol Neurosurg.* 2013 Sep;115(9):1871–2.
280. Kikuchi A, Takeda A, Sugeno N, Miura E, Kato K, Hasegawa T, et al. Brain Metabolic Changes of Cervical Dystonia with Spinocerebellar Ataxia Type 1 after Botulinum Toxin Therapy. *Intern Med.* 2016;55(14):1919–22.
281. Kim B, Chung SJ, Shin H-W. Trientine-induced neurological deterioration in a patient with Wilson's disease. *J Clin Neurosci.* 2013 Apr;20(4):606–8.
282. Kim B, Yoo P, Sutherland T, Boyd A, Stehmann C, McLean C, et al. LGI1 antibody encephalopathy overlapping with sporadic Creutzfeldt-Jakob disease. *Neurol Neuroimmunol Neuroinflamm.* 2016 Aug;3(4):e248.
283. Kim H-J, Lee MC, Kim JS, Chung SJ, Kim H-J, Kwon M, et al. Lingual dystonia as a manifestation of thalamic infarction. *Mov Disord.* 2009 Aug 15;24(11):1703–4.
284. Kim JP, Chang WS, Chang JW. The long-term surgical outcomes of secondary hemidystonia associated with post-traumatic brain injury. *Acta Neurochir (Wien).* 2012 May;154(5):823–30.
285. Kim JS. Delayed onset mixed involuntary movements after thalamic stroke: clinical, radiological and pathophysiological findings. *Brain.* 2001 Feb;124(Pt 2):299–309.
286. Kim MY, Kwon DR, Lee HI. Therapeutic effect of microcurrent therapy in infants with congenital muscular torticollis. *PM R.* 2009 Aug;1(8):736–9.
287. Kim YJ, Lyoo CH, Hong S, Kim NY, Lee MS. Neuroimaging studies and whole exome sequencing of PLA2G6-associated neurodegeneration in a family with intrafamilial phenotypic heterogeneity. *Parkinsonism Relat Disord.* 2015 Apr;21(4):402–6.
288. Kimura J. [Therapy oriented neurology from repair to remedy]. *Rinsho Shinkeigaku.* 1998 Dec;38(12):969–73.
289. Kinard K, Miller NR, Digre KB, Katz BJ, Crum AV, Warner JEA. Blepharospasm in children and adolescents. *Childs Nerv Syst.* 2016 Feb;32(2):355–8.
290. Kinash RG, Fulton NJ. Essential blepharospasm: nursing update. *J Neurosci Nurs.* 1990 Aug;22(4):215–9.
291. Kiriakakis V, Bhatia KP, Quinn NP, Marsden CD. The natural history of tardive dystonia. A long-term follow-up study of 107 cases. *Brain.* 1998 Nov;121 ( Pt 11):2053–66.
292. Kits van Waveren LE. Cause and treatment of spasmotic torticollis. *Acta Neurochir (Wien).* 1982;61(1–3):127–37.
293. Klaingutti G, Nguyen C. [Surgical management of monocular torsion and head tilt after macular translocation]. *Klin Monbl Augenheilkd.* 2005 Mar;222(3):222–5.
294. Kleopa KA, Kyriakides T. A novel movement disorder of the lower lip. *Mov Disord.* 2004 Jun;19(6):663–6.
295. Koelman JH, Speelman JD, Hilgevoord AA, Bour LJ, Ongerboer de Visser BW. Dopa-responsive dystonia and normalization of soleus H-reflex test results with treatment. *Neurology.* 1995 Feb;45(2):281–5.
296. Koelman JH, Willemse RB, Bour LJ, Hilgevoord AA, Speelman JD, Ongerboer de Visser BW. Soleus H-reflex tests in dystonia. *Mov Disord.* 1995 Jan;10(1):44–50.
297. Koene S, Rodenburg RJ, van der Knaap MS, Willemse MAAP, Sperl W, Laugel V, et al. Natural disease course and genotype-phenotype correlations in Complex I deficiency caused by nuclear gene defects: what we learned from 130 cases. *J Inherit Metab Dis.* 2012 Sep;35(5):737–47.
298. Koide A, Ozawa H, Kubota M, Goto Y. Childhood-Onset Progressive Dystonia With Mitochondrial DNA G14459A Mutation: Efficacy of Long-Term Sodium Succinate Treatment. *Child Neurol Open.* 2014 Sep;1(1):2329048X14550677.
299. Kojovic M, Caronni A, Bologna M, Rothwell JC, Bhatia KP, Edwards MJ. Botulinum toxin injections reduce associative plasticity in patients with primary dystonia. *Mov Disord.* 2011 Jun;26(7):1282–9.
300. **Koukouni V, Martino D, Arabia G, Quinn NP, Bhatia KP. The entity of young onset primary cervical dystonia. *Mov Disord.* 2007 Apr 30;22(6):843–7.**
301. Kraft S, Childe J, Hillel A, Schindler J. Refractory Dysphonia Due to Isolated Cricothyroid Muscle Dystonia. *J Voice.* 2016 Jul;30(4):501–5.
302. Kramer K, Pandit-Taskar N, Humm JL, Zanzonico PB, Haque S, Dunkel IJ, et al. A phase II

- study of radioimmunotherapy with intraventricular (131) I-3F8 for medulloblastoma. *Pediatr Blood Cancer*. 2018 Jan;65(1).
303. Kranz G, Shamim EA, Lin PT, Kranz GS, Hallett M. Transcranial magnetic brain stimulation modulates blepharospasm: a randomized controlled study. *Neurology*. 2010 Oct 19;75(16):1465–71.
304. Krogias C, Hoepner R, Muller A, Schneider-Gold C, Schroder A, Gold R. Successful treatment of anti-Caspr2 syndrome by interleukin 6 receptor blockade through tocilizumab. *JAMA Neurol*. 2013 Aug;70(8):1056–9.
305. Krugman ME, Canalis R, Konrad HR. The sternomastoid “tumor” of infancy. *J Otolaryngol*. 1976 Dec;5(6):523–9.
306. Kukurin GW. Reduction of cervical dystonia after an extended course of chiropractic manipulation: a case report. *J Manipulative Physiol Ther*. 2004 Aug;27(6):421–6.
307. Kuo YM, Hayflick SJ, Gitschier J. Deprivation of pantothenic acid elicits a movement disorder and azoospermia in a mouse model of pantothenate kinase-associated neurodegeneration. *J Inher Metab Dis*. 2007 Jun;30(3):310–7.
308. Kurahashi H, Hirose S. Autosomal Dominant Nocturnal Frontal Lobe Epilepsy. In: Adam MP, Ardinger HH, Pagon RA, Wallace SE, Bean LJ, Stephens K, et al., editors. GeneReviews((R)). Seattle (WA): University of Washington, Seattle; 1993.
309. Kurata K, Kuze S, Shibata R, Hatakeyama N, Masuda A, Ito Y, et al. Complete remission of neuroleptic-induced Meige’s syndrome by botulinum toxin treatment: a case report. *Jpn J Psychiatry Neurol*. 1993 Mar;47(1):115–9.
310. Kurne A, Ozkaya G, Karlioguz K, Shorbagi A, Ustacelebi S, Karabudak R, et al. [The colorful clinical spectrum of cerebral toxoplasmosis in five HIV positive cases: what comes out of Pandora’s box?]. *Mikrobiyol Bul*. 2006 Apr;40(1–2):85–92.
311. Lai T, Lai JM, Grossman RG. Functional recovery after bilateral pallidotomy for the treatment of early-onset primary generalized dystonia. *Arch Phys Med Rehabil*. 1999 Oct;80(10):1340–2.
- 312. Lal S. Improvement in spastic torticollis following treatment and withdrawal from high dose lorazepam--clinical observations. *Prog Neuropsychopharmacol Biol Psychiatry*. 1989;13(3–4):531–5.**
313. Lang AE, Marsden CD. Alpha methylparatyrosine and tetrabenazine in movement disorders. *Clin Neuropharmacol*. 1982 Dec;5(4):375–87.
314. Lang AE, Marsden CD. Alpha methylparatyrosine and tetrabenazine in movement disorders. *Clin Neuropharmacol*. 1982 Dec;5(4):375–87.
315. Larach VW, Zamboni RT, Mancini HR, Mancini RR, Gallardo RT. New strategies for old problems: tardive dyskinesia (TD). Review and report on severe TD cases treated with clozapine, with 12, 8 and 5 years of video follow-up. *Schizophr Res*. 1997 Dec 19;28(2–3):231–46.
316. Laux G, Gunreben G. [Severe late-onset dystonia while on fluspirilene]. *Dtsch Med Wochenschr*. 1991 Jun 21;116(25):977–80.
317. Le Dault E, Lagarde S, Guedj E, Dufourmet B, Rey C, Kaphan E, et al. [Unexplained neuropsychiatric disorders: Do not ignore dysimmune encephalitis. A case report of a dysimmune encephalitis with anti-leucine rich glioma inactivated 1 (LGI-1) antibodies]. *Rev Med Interne*. 2016 Feb;37(2):127–30.
318. Leal Filho MB, Aguiar A de AX, de Almeida BR, Dantas K da S, Vieira MA da C e S, de Morais RKP. [Eosinophilic granuloma of the cervical spine: case report]. *Arq Neuropsiquiatr*. 2003 Mar;61(1):141–3.
319. LeDoux MS. Dystonia: phenomenology. *Parkinsonism Relat Disord*. 2012 Jan;18 Suppl 1:S162–164.
320. Lee AS. Treatment of drug-induced dystonic reactions. *JACEP*. 1979 Nov;8(11):453–7.
321. Lee JH, Lyoo CH, Lee MS. A patient with genetically confirmed myoclonus-dystonia responded to anticholinergic treatment and improved spontaneously. *J Clin Neurol*. 2011 Dec;7(4):231–2.
322. Levy-Suh M. Resolution by Psychoanalysis of Motor Disturbances in an Adolescent. *The Psychoanalytic Quarterly*. 1937 Jul 1;6(3):336–45.
323. Lew SM, Psaty EL, Abbott R. An unusual cause of overdose after baclofen pump implantation: case report. *Neurosurgery*. 2005 Mar;56(3):E624; discussion E624.
324. Li XH, Lin SC, Hu YF, Liu LY, Liu JB, Hong YC. Efficacy of carbamazepine combined with

- botulinum toxin a in the treatment of blepharospasm and hemifacial spasm. *Eye Sci.* 2012 Dec;27(4):178–81.
325. Lightman SL. Phenobarbital dyskinesia. *Postgrad Med J.* 1978 Feb;54(628):114–5.
326. Lim KS, Shim JS, Lee YS. Is sternocleidomastoid muscle release effective in adults with neglected congenital muscular torticollis? *Clin Orthop Relat Res.* 2014 Apr;472(4):1271–8.
327. Lin C-H, Chen C-J, Chen C-M, Liao S-L, Raung S-L, Tsai S-W. Treatment of atlantoaxial rotatory fixation with botulinum toxin muscle block and manipulation. *J Chin Med Assoc.* 2010 Apr;73(4):222–4.
328. Lin J-P, Lumsden DE, Gimeno H, Kaminska M. The impact and prognosis for dystonia in childhood including dystonic cerebral palsy: a clinical and demographic tertiary cohort study. *J Neurol Neurosurg Psychiatry.* 2014 Nov;85(11):1239–44.
329. Lin JN, Chou ML. Ultrasonographic study of the sternocleidomastoid muscle in the management of congenital muscular torticollis. *J Pediatr Surg.* 1997 Nov;32(11):1648–51.
330. Lingappa L, Varma RD, Siddaiahgari S, Konanki R. Mineralizing angiopathy with infantile basal ganglia stroke after minor trauma. *Dev Med Child Neurol.* 2014 Jan;56(1):78–84.
331. Litwin T, Chabik G, Czlonkowska A. Acute focal dystonia induced by a tricyclic antidepressant in a patient with Wilson disease: a case report. *Neurol Neurochir Pol.* 2013 Oct;47(5):502–6.
332. Litwin T, Gromadzka G, Czlonkowska A. Neurological presentation of Wilson's disease in a patient after liver transplantation. *Mov Disord.* 2008 Apr 15;23(5):743–6.
333. Liu H-G, Ma Y, Meng D-W, Yang A-C, Zhang J-G. A rat model of hemidystonia induced by 3-nitropropionic acid. *PLoS One.* 2013;8(10):e79199.
334. Llobera J, Gonzalez-Franco M, Perez-Marcos D, Valls-Sole J, Slater M, Sanchez-Vives MV. Virtual reality for assessment of patients suffering chronic pain: a case study. *Exp Brain Res.* 2013 Mar;225(1):105–17.
335. Lopez-Laso E, Camino R, Mateos ME, Perez-Navero JL, Ochoa JJ, Lao-Villadoniga JI, et al. Dopa-responsive infantile hypokinetic rigid syndrome due to dominant guanosine triphosphate cyclohydrolase 1 deficiency. *J Neurol Sci.* 2007 May 15;256(1–2):90–3.
336. Lorenzana L, Cabezudo JM, Porras LF, Polaina M, Rodriguez-Sanchez JA, Garcia-Yague LM. Focal dystonia secondary to cavernous angioma of the basal ganglia: case report and review of the literature. *Neurosurgery.* 1992 Dec;31(6):1108–11; discussion 1111–1112.
337. Lorincz MT. Neurologic Wilson's disease. *Ann N Y Acad Sci.* 2010 Jan;1184:173–87.
338. Lorincz MT. Wilson disease and related copper disorders. *Handb Clin Neurol.* 2018;147:279–92.
339. Loscher W, Blanke T, Richter A, Hoppen HO. Gonadal sex hormones and dystonia: experimental studies in genetically dystonic hamsters. *Mov Disord.* 1995 Jan;10(1):92–102.
340. **Lowenstein DH, Aminoff MJ.** *The clinical course of spasmodic torticollis.* *Neurology.* 1988 Apr;38(4):530–2.
341. Lozsadi DA, Hart IK, Moore AP. Botulinum toxin A improves involuntary limb movements in Rasmussen syndrome. *Neurology.* 2004 Apr 13;62(7):1233–4.
342. Lu CS, Chen RS, Tsai CH. Double-blind, placebo-controlled study of botulinum toxin injections in the treatment of cervical dystonia. *J Formos Med Assoc.* 1995 Apr;94(4):189–92.
343. Luk'ianov MV, Iur'eva LA. [Use of laryngeal mask in a female patient with expected difficult intubation, polyvalent allergy and high grade myopia]. *Anesteziol Reanimatol.* 1995 Apr;(2):80–3.
344. Lutes J, Lorden JF, Davis BJ, Oltmans GA. GABA levels and GAD immunoreactivity in the deep cerebellar nuclei of rats with altered olivo-cerebellar function. *Brain Res Bull.* 1992 Oct;29(3–4):329–36.
345. Machado AG, Deogaonkar M, Cooper S. Deep brain stimulation for movement disorders: patient selection and technical options. *Cleve Clin J Med.* 2012 Jul;79 Suppl 2:S19–24.
346. MacMahon M, Naysmith MR, McCallion S, Rhodes J. Ketamine Infusion Associated with Improved Neurology in a Patient with NMDA Receptor Encephalitis. *Case Rep Crit Care.* 2013;2013:383125.
347. Madrazo I, Franco-Bourland R, Aguilera M, Ostrosky-Solis F, Madrazo M, Cuevas C, et al. Autologous adrenal medullary, fetal mesencephalic, and fetal adrenal brain transplantation in Parkinson's disease: a long-term postoperative follow-up. *J Neural Transplant Plast.* 1991;2(3–4):157–64.

348. Maeoka Y, Maegaki Y, Ishii S, Eda I, Takeshita K. Excitability recovery curves of blink reflexes in patients with athetotic cerebral palsy. *Electromyogr Clin Neurophysiol*. 1999 Mar;39(2):79–85.
349. Maestre-Ferrin L, Burguera J-A, Penarrocha-Diago M, Penarrocha-Diago M. Oromandibular dystonia: a dental approach. *Med Oral Patol Oral Cir Bucal*. 2010 Jan 1;15(1):e25-27.
350. Mahieu X, Kridelka F, Pintiaux A, Hans P, Brichant JF, Born J, et al. [Spontaneous cervical extradural hematoma in a pregnant woman]. *J Gynecol Obstet Biol Reprod (Paris)*. 1994;23(1):99–102.
351. Mal'mberg SA, Malyshev II, Chuchin MI. [Spastic torticollis in children (the problems of the clinical picture, treatment and nosological specificity)]. *Zh Nevrol Psichiatr Im S S Korsakova*. 1993;93(5):29–33.
352. Mal'mberg SA. [The differentiated treatment of dystonia musculorum deformans in children]. *Zh Nevrol Psichiatr Im S S Korsakova*. 1993;93(5):33–6.
353. Malhotra AK, Litman RE, Pickar D. Adverse effects of antipsychotic drugs. *Drug Saf*. 1993 Dec;9(6):429–36.
354. Manca M, Mancini M, Ferraresi G, Chiari L, Sensi M, Cavallo M, et al. Effect of Globus Pallidus internus stimulation on gait in multifocal dystonia: a case study. *Clin Neurophysiol*. 2010 Mar;121(3):453–6.
355. Manegold C, Hoffmann GF, Degen I, Ikonomidou H, Knust A, Laass MW, et al. Aromatic L-amino acid decarboxylase deficiency: clinical features, drug therapy and follow-up. *J Inherit Metab Dis*. 2009 Jun;32(3):371–80.
356. Manji H, Howard RS, Miller DH, Hirsch NP, Carr L, Bhatia K, et al. Status dystonicus: the syndrome and its management. *Brain*. 1998 Feb;121 ( Pt 2):243–52.
357. Manteghi A, Hojjat SK, Javanbakht A. Remission of tardive dystonia with electroconvulsive therapy. *J Clin Psychopharmacol*. 2009 Jun;29(3):314–5.
358. Marelli C, Canafoglia L, Zibordi F, Ciano C, Visani E, Zorzi G, et al. A neurophysiological study of myoclonus in patients with DYT11 myoclonus-dystonia syndrome. *Mov Disord*. 2008 Oct 30;23(14):2041–8.
359. Margraf NG, Wrede A, Deuschl G, Schulz-Schaeffer WJ. Pathophysiological Concepts and Treatment of Camptocormia. *J Parkinsons Dis*. 2016 Jun 16;6(3):485–501.
360. Marion M-H, Afors K, Sheehy MP. [Problems of treating writer's cramp with botulinum toxin injections: results from 10 years of experience]. *Rev Neurol (Paris)*. 2003 Oct;159(10 Pt 1):923–7.
- 361. Marsden CD, Harrison MJ. Idiopathic torsion dystonia (dystonia musculorum deformans). A review of forty-two patients. *Brain*. 1974 Dec;97(4):793–810.**
362. Martinez-Lage JF, Morales T, Fernandez Cornejo V. Inflammatory C2-3 subluxation: a Grisel's syndrome variant. *Arch Dis Child*. 2003 Jul;88(7):628–9.
363. Marton K. [Oral symptoms of immunologic disorders. Part I. Systemic autoimmune diseases]. *Fogorv Sz*. 2003 Feb;96(1):9–15.
364. Maruyama K, Itomi S, Sofue A, Natsume J. [Acute encephalitis/encephalopathy associated with transient involuntary movement and limbic dysfunction in the recovery phase]. *No To Hattatsu*. 2009 Jan;41(1):33–6.
365. Matsuo H, Kamakura K, Saito M, Okano M, Nagase T, Tadano Y, et al. Familial paroxysmal dystonic choreoathetosis: clinical findings in a large Japanese family and genetic linkage to 2q. *Arch Neurol*. 1999 Jun;56(6):721–6.
366. Matsuoka S, Waltz JM, Terada C, Ikeda T, Cooper IS. A computer technique for evaluation of recovery cycle of the H reflex in the abnormal movement disorders. *Electroencephalogr Clin Neurophysiol*. 1966 Nov;21(5):496–500.
- 367. Matthews WB, Beasley P, Parry-Jones W, Garland G. Spasmodic torticollis: a combined clinical study. *J Neurol Neurosurg Psychiatry*. 1978 Jun;41(6):485–92.**
- 368. Mauriello JA, Aljian J. Natural history of treatment of facial dyskinesias with botulinum toxin: a study of 50 consecutive patients over seven years. *Br J Ophthalmol*. 1991 Dec;75(12):737–9.**
- 369. Mauriello JA, Dhillon S, Leone T, Pakeman B, Mostafavi R, Yepez MC. Treatment selections of 239 patients with blepharospasm and Meige syndrome over 11 years. *Br J Ophthalmol*. 1996 Dec;80(12):1073–6.**

370. McKenzie AL, Goldman S, Barrango C, Shrim M, Wong T, Byl N. Differences in physical characteristics and response to rehabilitation for patients with hand dystonia: musicians' cramp compared to writers' cramp. *J Hand Ther.* 2009 Jun;22(2):172–81; quiz 182.
371. Meares R. Features which distinguish groups of spasmodic torticollis. *J Psychosom Res.* 1971 Mar;15(1):1–11.
372. Meares R. Natural history of spasmodic torticollis, and effect of surgery. *Lancet.* 1971 Jul 17;(7716):149–50.
373. Meige H, Feindel ECL. Tics and Their Treatment. S. Appleton; 1907. 418 p.
374. Meoni S, Zurowski M, Lozano AM, Hodaie M, Poon Y-Y, Fallis M, et al. Long-term neuropsychiatric outcomes after pallidal stimulation in primary and secondary dystonia. *Neurology.* 2015 Aug 4;85(5):433–40.
375. Messelmani M, Fekih-Mrissa N, Zaouali J, Mrissa R. Limbic encephalitis associated with leucine-rich glioma-inactivated 1 antibodies. *Ann Saudi Med.* 2015 Feb;35(1):76–9.
376. Messina G, Cordella R, Dones I, Tringali G, Franzini A. Improvement of secondary fixed dystonia of the upper limb after chronic extradural motor cortex stimulation in 10 patients: first reported series. *Neurosurgery.* 2012 May;70(5):1169–75; discussion 1175.
377. Mezaki T. [Clinical application of botulinum toxin]. *Brain Nerve.* 2011 Jul;63(7):785–94.
378. Micheli F, Pardal MF, Gatto E, Paradiso G. Dopa-responsive dystonia masquerading as idiopathic kyphoscoliosis. *Clin Neuropharmacol.* 1991 Aug;14(4):367–71.
379. Micheli F, Tschoopp L, Cersosimo MG. Oxcarbazepine-responsive paroxysmal kinesigenic dyskinesia in Wilson disease. *Clin Neuropharmacol.* 2011 Dec;34(6):262–4.
380. Micheli R, Perini A, Duse M. Hemidystonia secondary to acquired toxoplasmosis in a non-immunodeficient patient. *Eur J Pediatr.* 1994 Oct;153(10):731–3.
381. Mierzwiński J, Polak M, Dalke K, Burduk P, Kazmierczak H, Modrzynski M. Benign paroxysmal vertigo of childhood. *Otolaryngol Pol.* 2007;61(3):307–10.
382. Milandre L, Brosset C, Gabriel B, Khalil R. [Transient involuntary movement disorders and thalamic infarction]. *Rev Neurol (Paris).* 1993;149(6–7):402–6.
383. Milanov I, Georgiev D. Spasmodic torticollis and tremor due to multiple sclerosis: a case report. *Funct Neurol.* 1995 Dec;10(6):281–5.
384. Mishra A, Dave N. Acute renal failure due to rhabdomyolysis following a seizure. *J Family Med Prim Care.* 2013 Jan;2(1):86–7.
385. Misra UK, Kalita J, Srivastav A, Pradhan PK. The prognostic role of magnetic resonance imaging and single-photon emission computed tomography in viral encephalitis. *Acta Radiol.* 2008 Sep;49(7):827–32.
386. Misra UK, Kalita J. Prognosis of Japanese encephalitis patients with dystonia compared to those with parkinsonian features only. *Postgrad Med J.* 2002 Apr;78(918):238–41.
387. Misra UK, Kumar S, Kalita J, Ahmad A, Khanna VK, Khan MY, et al. A study of motor activity and catecholamine levels in different brain regions following Japanese encephalitis virus infection in rats. *Brain Res.* 2009 Oct 6;1292:136–47.
388. Missori P, Marruzzo D, Peschillo S, Domenicucci M. Clinical remarks on acute post-traumatic atlanto-axial rotatory subluxation in pediatric-aged patients. *World Neurosurg.* 2014 Nov;82(5):e645–648.
389. Mitek AE, Clark-Price SC, Boesch JM. Severe propofol-associated dystonia in a dog. *Can Vet J.* 2013 May;54(5):471–4.
390. Morales A, Perlmann E, Abelha ANV, Levy CE, de Goes ACA, Safatle AMV. Keratitis due to microfilariae in dogs: a newly recognized disease. *Vet Ophthalmol.* 2017 May 15;
391. Motoi Y, Hattori Y, Miwa H, Shina K, Mizuno Y. [A case of post-hemiplegic painful dystonia following thalamic infarction with good response to botulinus toxin]. *Rinsho Shinkeigaku.* 1997 Oct;37(10):881–6.
392. Motta A, Trainiti G. Paralysis of the trapezius associated with myogenic torticollis. A report of 6 cases. *Ital J Orthop Traumatol.* 1977 Aug;3(2):207–13.
393. Muller U, Graeber MB. Neurogenetic diseases: molecular diagnosis and therapeutic approaches. *J Mol Med (Berl).* 1996 Feb;74(2):71–84.
394. Munhoz RP, Zavala JA, Becker N, Teive HAG. Cross-cultural influences on psychogenic movement disorders - a comparative review with a Brazilian series of 83 cases. *Clin Neurol Neurosurg.* 2011 Feb;113(2):115–8.

395. Munoz LJ, Carballosa-Gautam MM, Yanowsky K, Garcia-Atares N, Lopez DE. The genetic audiogenic seizure hamster from Salamanca: The GASH:Sal. *Epilepsy Behav*. 2017 Jun;71(Pt B):181–92.
396. Murashko VV, Radzievskii SA, Alekseev VV, Rzhanitsina NF, Fisenko LA. [Effect of reflexotherapy on the baroreflex function of patients with neurocirculatory dystonia and the initial stages of hypertension]. *Kardiologiya*. 1988 Jan;28(1):31–4.
397. Nakashima K, Rothwell JC, Thompson PD, Day BL, Berardelli A, Agostino R, et al. The blink reflex in patients with idiopathic torsion dystonia. *Arch Neurol*. 1990 Apr;47(4):413–6.
398. Nakashima K, Takahashi K, Ota M. Cessation of writer's cramp after stroke. *Mov Disord*. 1993 Apr;8(2):249–51.
399. Nardocci N, Zorzi G, Barzaghi C, Zibordi F, Ciano C, Ghezzi D, et al. Myoclonus-dystonia syndrome: clinical presentation, disease course, and genetic features in 11 families. *Mov Disord*. 2008 Jan;23(1):28–34.
400. Nardocci N, Zorzi G, Blau N, Fernandez Alvarez E, Sesta M, Angelini L, et al. Neonatal dopa-responsive extrapyramidal syndrome in twins with recessive GTPCH deficiency. *Neurology*. 2003 Jan 28;60(2):335–7.
401. Nardocci N, Zorzi G, Savoldelli M, Rumi V, Angelini L. Paroxysmal dystonia and paroxysmal tremor in a young patient with multiple sclerosis. *Ital J Neurol Sci*. 1995 Jun;16(5):315–9.
402. Naumann M, Yakovleff A, Durif F. A randomized, double-masked, crossover comparison of the efficacy and safety of botulinum toxin type A produced from the original bulk toxin source and current bulk toxin source for the treatment of cervical dystonia. *J Neurol*. 2002 Jan;249(1):57–63.
403. Navarro V, Kas A, Apartis E, Chami L, Rogemond V, Levy P, et al. Motor cortex and hippocampus are the two main cortical targets in LGI1-antibody encephalitis. *Brain*. 2016 Apr;139(Pt 4):1079–93.
404. Navarro X, Vivo M, Valero-Cabre A. Neural plasticity after peripheral nerve injury and regeneration. *Prog Neurobiol*. 2007 Jul;82(4):163–201.
405. Neumann MA. Pontocerebellar atrophy combined with vestibular-reticular degeneration. *J Neuropathol Exp Neurol*. 1977 Apr;36(2):321–37.
406. Newman CJ, Ziegler A-L, Jeannet P-Y, Roulet-Perez E, Deonna TW. Transient dystonic toe-walking: differentiation from cerebral palsy and a rare explanation for some unexplained cases of idiopathic toe-walking. *Dev Med Child Neurol*. 2006 Feb;48(2):96–102.
407. Nistico R, Pirritano D, Novellino F, Salsone M, Morelli M, Valentino P, et al. Blink reflex recovery cycle in patients with essential tremor associated with resting tremor. *Neurology*. 2012 Oct 2;79(14):1490–5.
408. Nistico R, Pirritano D, Salsone M, Valentino P, Novellino F, Condino F, et al. Blink reflex recovery cycle in patients with dystonic tremor: a cross-sectional study. *Neurology*. 2012 Apr 24;78(17):1363–5.
409. Nistico R, Salsone M, Vescio B, Morelli M, Trotta M, Barbagallo G, et al. Blink reflex recovery cycle distinguishes essential tremor with resting tremor from de novo Parkinson's disease: an exploratory study. *Parkinsonism Relat Disord*. 2014 Feb;20(2):153–6.
410. Nogues MA, Leiguarda RC, Rivero AD, Salvat F, Manes F. Involuntary movements and abnormal spontaneous EMG activity in syringomyelia and syringobulbia. *Neurology*. 1999 Mar 10;52(4):823–34.
411. Novikov VS, Lustin SI, Zhekalov AN. [The use of hypobaric hypoxia for the treatment of patients with hypertensive-type neurocirculatory dystonia]. *Voen Med Zh*. 1997 Dec;318(12):16–20.
412. Odergren T, Lennerstrand G, Lindestad PA, Hertegard S, Borg J. [Botulinum toxin--from threat to cure]. *Lakartidningen*. 1996 Apr 24;93(17):1619–24.
413. Odergren T, Tollback A, Borg J. Electromyographic single motor unit potentials after repeated botulinum toxin treatments in cervical dystonia. *Electroencephalogr Clin Neurophysiol*. 1994 Oct;93(5):325–9.
414. Olaya JE, Christian E, Ferman D, Luc Q, Krieger MD, Sanger TD, et al. Deep brain stimulation in children and young adults with secondary dystonia: the Children's Hospital Los Angeles experience. Vol. 35. United States; 2013.
415. Oleszek JL, Chang N, Apkon SD, Wilson PE. Botulinum toxin type a in the treatment of

- children with congenital muscular torticollis. *Am J Phys Med Rehabil.* 2005 Oct;84(10):813–6.
416. Olivan Gonzalvo G. [Benign paroxysmal torticollis in infancy]. *An Esp Pediatr.* 1996 Jun;44(6):615–6.
417. Olufolabi AJ, Wee MYK. Caesarean section in a patient with torsion dystonia. *Br J Anaesth.* 2006 May;96(5):611–3.
418. Omidi-Kashani F, Hasankhani EG, Sharifi R, Mazlumi M. Is surgery recommended in adults with neglected congenital muscular torticollis? A prospective study. *BMC Musculoskelet Disord.* 2008 Nov 26;9:158.
419. Oomen JWPM, Smits BW, Swinkels DW, Schreurs BW, Bloem BR, Hendriks MP. A toxic shot from the hip. *J Neurol Neurosurg Psychiatry.* 2011 Mar;82(3):353–4.
420. Oymak Y, Muminoglu N, Ay Y, Karapinar TH, Koker SA, Toret E, et al. Torticollis in a haemophilic infant with inhibitor: a case of spinal epidural haematoma. *Blood Coagul Fibrinolysis.* 2016 Jul;27(5):576–9.
421. Pacheva IH, Ivanov IS. Migraine variants--occurrence in pediatric neurology practice. *Clin Neurol Neurosurg.* 2013 Sep;115(9):1775–83.
422. Page SJ, Cunningham DA, Plow E, Blazak B. It takes two: noninvasive brain stimulation combined with neurorehabilitation. *Arch Phys Med Rehabil.* 2015 Apr;96(4 Suppl):S89–93.
- 423. Pal PK, Samii A, Schulzer M, Mak E, Tsui JK. Head tremor in cervical dystonia. Can J Neurol Sci. 2000 May;27(2):137–42.**
424. Palfi S, Conde F, Riche D, Brouillet E, Dautry C, Mittoux V, et al. Fetal striatal allografts reverse cognitive deficits in a primate model of Huntington disease. *Nat Med.* 1998 Aug;4(8):963–6.
425. Panchenko EN, Kazakova SE, Frolov VM, Vishniakov IV. [The nondrug treatment of patients with autonomic vascular dystonia subjected to ionizing radiation exposure as a result of the accident at the Chernobyl Atomic Electric Power Station]. *Lik Sprava.* 1994 Dec;(9–12):50–3.
426. Panda AK, Bala K, Bhirud L. Extrapyramidal syndrome. *BMJ Case Rep.* 2014 Jan 7;2014.
427. Pang D. Current experience of spinal neuromodulation in chronic pain: Is there a role in children and young people? *Eur J Paediatr Neurol.* 2017 Jan;21(1):56–66.
428. Panizza M, Lelli S, Nilsson J, Hallett M. H-reflex recovery curve and reciprocal inhibition of H-reflex in different kinds of dystonia. *Neurology.* 1990 May;40(5):824–8.
429. Papageorgiou SG, Kontaxis T, Bonakis A, Kalfakis N. Orofacial dystonia related to Sjogren's syndrome. *Clin Rheumatol.* 2007 Oct;26(10):1779–81.
430. Paret G, Tirosh R, Ben Zeev B, Vardi A, Brandt N, Barzilay Z. Intrathecal baclofen for severe torsion dystonia in a child. *Acta Paediatr.* 1996 May;85(5):635–7.
431. Park SW, Cho KH, Shin YS, Kim SH, Ahn YH, Cho KG, et al. Successful reduction for a pediatric chronic atlantoaxial rotatory fixation (Grisel syndrome) with long-term halter traction: case report. *Spine (Phila Pa 1976).* 2005 Aug 1;30(15):E444–449.
432. Parkin S, Aziz T, Gregory R, Bain P. Bilateral internal globus pallidus stimulation for the treatment of spasmodic torticollis. *Mov Disord.* 2001 May;16(3):489–93.
433. Patel B, Pendyal S, Kishnani PS, McDonald M, Bailey L. Early Diagnosed and Treated Glutaric Acidemia Type 1 Female Presenting with Subependymal Nodules in Adulthood. *JIMD Rep.* 2017 Nov 1;
434. Patel BC, Anderson RL. Blepharospasm and related facial movement disorders. *Curr Opin Ophthalmol.* 1995 Oct;6(5):86–99.
- 435. Paterson M. SPASMODIC TORTICOLLIS RESULTS OF PSYCHOTHERAPY IN 21 CASES. The Lancet. 246(6375):556–9.**
436. Patrinely J, Anderson R. Essential blepharospasm: a review. *Geriatr Ophthalmol.* 1986;2(4):27–33.
- 437. Patterson R, Little S. Spasmodic torticollis. J Nerv Ment Dis. 1943 Dec;98(6):571–99.**
438. Pattisapu JV, Evans OB, Blumenthal BI. Intervertebral disc calcification in children. *Pediatr Neurol.* 1987 Apr;3(2):108–10.
439. Patwardhan S, Shyam AK, Sancheti P, Arora P, Nagda T, Naik P. Adult presentation of congenital muscular torticollis: a series of 12 patients treated with a bipolar release of sternocleidomastoid and Z-lengthening. *J Bone Joint Surg Br.* 2011 Jun;93(6):828–32.
440. Pauletti G, Berardelli A, Cruccu G, Agostino R, Manfredi M. Blink reflex and the masseter inhibitory reflex in patients with dystonia. *Mov Disord.* 1993 Oct;8(4):495–500.

441. Peralta V, Cuesta MJ. The effect of antipsychotic medication on neuromotor abnormalities in neuroleptic-naïve nonaffective psychotic patients: a naturalistic study with haloperidol, risperidone, or olanzapine. *Prim Care Companion J Clin Psychiatry*. 2010;12(2).
442. Phanthumchinda K, Yodnoplaklao P. Familial paroxysmal dyskinesia. *J Med Assoc Thai*. 1997 Jun;80(6):402–5.
443. Pierro MM, Bollea L, Di Rosa G, Gisondi A, Cassarino P, Giannarelli P, et al. Anoxic brain injury following near-drowning in children. Rehabilitation outcome: three case reports. *Brain Inj*. 2005 Dec;19(13):1147–55.
444. Pikielny RT, Micheli FE, Fernandez Pardal MM, Casas Parera I, Giannaula RJ, Gatto M. [Treatment of blepharospasm with botulinum toxin]. *Medicina (B Aires)*. 1990;50(2):129–34.
445. Pilge H, Prodinger PM, Burklein D, Holzapfel BM, Lauen J. Nontraumatic subluxation of the atlanto-axial joint as rare form of acquired torticollis: diagnosis and clinical features of the Grisel's syndrome. *Spine (Phila Pa 1976)*. 2011 May 15;36(11):E747-751.
446. Pinsker MO, Volkmann J, Falk D, Herzog J, Alfke K, Steigerwald F, et al. Electrode implantation for deep brain stimulation in dystonia: a fast spin-echo inversion-recovery sequence technique for direct stereotactic targeting of the GPI. *Zentralbl Neurochir*. 2008 May;69(2):71–5.
447. Pinsker MO, Volkmann J, Falk D, Herzog J, Steigerwald F, Deuschl G, et al. Deep brain stimulation of the internal globus pallidus in dystonia: target localisation under general anaesthesia. *Acta Neurochir (Wien)*. 2009 Jul;151(7):751–8.
448. Piovesan D. A Computational Index to Describe Slacking During Robot Therapy. *Adv Exp Med Biol*. 2016;957:351–65.
449. Pitman MJ. Treatment of spasmodic dysphonia with a neuromodulating electrical implant. *Laryngoscope*. 2014 Nov;124(11):2537–43.
450. Poddar U, Singh S, Kumar L. Paroxysmal torticollis of infancy. *Indian Pediatr*. 1999 Jan;36(1):86–8.
451. Poewe WH, Kleedorfer B, Willeit J, Gerstenbrand F. Primary CNS lymphoma presenting as a choreic movement disorder followed by segmental dystonia. *Mov Disord*. 1988;3(4):320–5.
452. Pradhan S, Gupta RK, Singh MB, Mathur A. Biphasic illness pattern due to early relapse in Japanese-B virus encephalitis. *J Neurol Sci*. 2001 Jan 15;183(1):13–8.
453. Pranzatelli MR. Oral pharmacotherapy for the movement disorders of cerebral palsy. *J Child Neurol*. 1996 Nov;11 Suppl 1:S13-22.
454. Priolo C, Gargano P, Ceschina N. [Frontal electromyography-biofeedback therapy in spasmodic torticollis in children]. *Minerva Pediatr*. 1989 Jun;41(6):335–9.
455. Provini F, Plazzi G, Tinuper P, Vandi S, Lugaresi E, Montagna P. Nocturnal frontal lobe epilepsy. A clinical and polygraphic overview of 100 consecutive cases. *Brain*. 1999 Jun;122 ( Pt 6):1017–31.
456. Prusinski A. [Selected problems for discussion of procedures in epilepsy]. *Neurol Neurochir Pol*. 1999;32 Suppl 6:19–30.
457. Puccioni-Sohler M, Ramos JTMA, Rosadas C, Vasconcellos LF. Psychogenic movement disorder in human T-lymphotropic virus type 1 associated myopathy. *Int J Infect Dis*. 2016 Jan;42:47–9.
458. Raco A, Raimondi AJ, De Ponte FS, Brunelli A, Bristot R, Bottini DJ, et al. Congenital torticollis in association with craniostenosis. *Childs Nerv Syst*. 1999 Apr;15(4):163–8; discussion 169.
459. Ramakrishna H, Trentman TL, Hall BA, Sprung J. Ondansetron and carpopedal spasm. *Can J Anaesth*. 2008 Jan;55(1):55–6.
460. Raoofi S, Khorshidi H, Najafi M. Etiology, Diagnosis and Management of Oromandibular Dystonia: an Update for Stomatologists. *J Dent (Shiraz)*. 2017 Jun;18(2):73–81.
461. Reichel G, Stenner A. [Diagnosis of dopa-responsive dystonia after 34 years: complete remission after]. *Nervenarzt*. 2012 Jun;83(6):772–4.
462. Relling MV, Mulhern RK, Fairclough D, Baker D, Pui CH. Chlorpromazine with and without lorazepam as antiemetic therapy in children receiving uniform chemotherapy. *J Pediatr*. 1993 Nov;123(5):811–6.
463. Richter A, Gernert M, Loscher W. Prodystonic effects of riluzole in an animal model of idiopathic dystonia related to decreased total power in the red nucleus? *Eur J Pharmacol*. 1997 Aug 6;332(2):133–41.

464. Richter A, Loscher W, Baran H, Gramer M. Increased levels of kynurenic acid in brains of genetically dystonic hamsters. *Brain Res Dev Brain Res.* 1996 Mar 29;92(1):111–6.
465. Richter A, Loscher W. Alterations in pharmacological sensitivity of GABAergic but not dopaminergic and glutamatergic systems during ontogenesis in dystonic mutant hamsters. *Eur J Pharmacol.* 1993 Jan 26;231(1):111–9.
466. Richter A, Loscher W. Paradoxical aggravation of paroxysmal dystonia during chronic treatment with phenobarbital in a genetic rodent model. *Eur J Pharmacol.* 2000 Jun 2;397(2–3):343–50.
467. Richter A, Loschmann PA, Loscher W. The novel antiepileptic drug, lamotrigine, exerts prodystonic effects in a mutant hamster model of generalized dystonia. *Eur J Pharmacol.* 1994 Nov 3;264(3):345–51.
468. Rocchi L, Casula E, Tocco P, Berardelli A, Rothwell J. Somatosensory Temporal Discrimination Threshold Involves Inhibitory Mechanisms in the Primary Somatosensory Area. *J Neurosci.* 2016 Jan 13;36(2):325–35.
469. Rodriguez Pereira R. [Nodding spasm]. *Ned Tijdschr Geneeskd.* 1988 Nov 19;132(47):2158–9.
470. Rosenkranz K, Butler K, Williamon A, Cordivari C, Lees AJ, Rothwell JC. Sensorimotor reorganization by proprioceptive training in musician's dystonia and writer's cramp. *Neurology.* 2008 Jan 22;70(4):304–15.
471. Rosin AJ, Sahar A, Michaeli Y. Torsion dystonia: a case with delayed remission following thalamotomy and phenothiazine therapy. *Eur Neurol.* 1978;17(6):363–7.
472. Rosse RB, Allen A, Lux WE. Baclofen treatment in a patient with tardive dystonia. *J Clin Psychiatry.* 1986 Sep;47(9):474–5.
473. Rosset-Llobet J, Fabregas-Molas S, Pascual-Leone A. Effect of Transcranial Direct Current Stimulation on Neurorehabilitation of Task-Specific Dystonia: A Double-Blind, Randomized Clinical Trial. *Med Probl Perform Art.* 2015 Sep;30(3):178–84.
474. Rosset-Llobet J, Fabregas-Molas S. Long-term treatment effects of sensory motor retuning in a pianist with focal dystonia. *Med Probl Perform Art.* 2011 Jun;26(2):106–7.
475. Rossi B, Vignocchi G, Siciliano G, Risaliti R. Effects of anticholinergic agents on the excitability of the blink reflex in Meige syndrome. *Eur Neurol.* 1989;29(5):281–3.
476. Roth N. Does neurology inform psychoanalysis? A case report. *J Am Acad Psychoanal.* 1990 Fall;18(3):512–8.
477. ROUQUIER A. [Writer's cramp, parkinsonism, anxiety syndrome; cure by bilateral prefrontal topectomy]. *Bull Mem Soc Med Hop Paris.* 1951 Feb 26;67(3–4):65–7.
478. Rousseaux M, Cabaret M, Bernati T, Pruvost JP, Steinling M. [Residual deficit of verbal recall after a left internal cerebral vein infarct]. *Rev Neurol (Paris).* 1998 Jun;154(5):401–7.
479. Rowland NC, Sammartino F, Lozano AM. Advances in surgery for movement disorders. *Mov Disord.* 2017 Jan;32(1):5–10.
480. Roze E, Apartis E, Clot F, Dorison N, Thobois S, Guyant-Marechal L, et al. Myoclonus-dystonia: clinical and electrophysiologic pattern related to SGCE mutations. *Neurology.* 2008 Mar 25;70(13):1010–6.
481. Sabbahi M, Etnyre B, Al-Jawayed I, Jankovic J. Soleus H-reflex measures in patients with focal and generalized dystonia. *Clin Neurophysiol.* 2003 Feb;114(2):288–94.
482. Sabharwal S, MacLeod R. Ilizarov hip reconstruction for the management of advanced osteonecrosis in an adolescent with leukemia. *J Pediatr Orthop B.* 2012 May;21(3):252–9.
483. Sadnicka A, Teo JT, Kojovic M, Parees I, Saifee TA, Kassavetis P, et al. All in the blink of an eye: new insight into cerebellar and brainstem function in DYT1 and DYT6 dystonia. *Eur J Neurol.* 2015 May;22(5):762–7.
484. Saeedi Borujeni MJ, Esfandiary E, Almasi-Dooghaee M. Childhood Laryngeal Dystonia Following Bilateral Globus Pallidus Abnormality: A Case Study and Review of Literature. *Iran J Otorhinolaryngol.* 2017 Jan;29(90):47–52.
485. Sakamoto H. [Cap brace: a new treatment for newborn and infant congenital muscular torticollis]. *Nihon Seikeigeka Gakkai Zasshi.* 1992 Nov;66(11):1123–36.
486. Samosiuk IZ, Bredikhin AV, Gaiduk IS. [The combined treatment of patients with cerebral venous dystonia]. *Lik Sprava.* 1992 Mar;(3):32–5.
487. Sander SE, Hamann M, Richter A. Age-related changes in striatal nitric oxide synthase-immunoreactive interneurones in the dystonic dtsz mutant hamster. *Neuropathol Appl Neurobiol.* 2006 Feb;32(1):74–82.

488. Sander SE, Richter A. Striatal microinjections of nitric oxide synthase inhibitors and L-arginine fail to exert effects on paroxysmal dystonia in the dtsz mutant. *Neurosci Lett.* 2006 May 1;398(1–2):97–101.
489. Sandyk R. Blepharospasm--successful treatment with baclofen and sodium valproate. A case report. *S Afr Med J.* 1983 Dec 3;64(24):955–6.
490. Santello M, Lang CE. Are movement disorders and sensorimotor injuries pathologic synergies? When normal multi-joint movement synergies become pathologic. *Front Hum Neurosci.* 2014;8:1050.
491. Santos CC, Roach ES. Glutaric aciduria type I: a neuroimaging diagnosis? *J Child Neurol.* 2005 Jul;20(7):588–90.
492. Santos MLF, Raskin S, Telles DS, Lohr AJ, Liberalesso PBN, Vieira SC, et al. Treatment of a child diagnosed with Niemann-Pick disease type C with miglustat: a case report in Brazil. *J Inherit Metab Dis.* 2008 Dec;31 Suppl 2:S357–361.
493. Satila H, Kotamaki A, Koivikko M, Autti-Ramo I. Low- and high-dose botulinum toxin A treatment: a retrospective analysis. *Pediatr Neurol.* 2006 Apr;34(4):285–90.
494. Sax DS, Johnson TL, Cooper IS. Reflex recovery curves in extrapyramidal disorders. *Adv Neurol.* 1976;14:285–96.
495. Scheidt CE, Rayki O, Nickel T, Heinen F, Wissel J, Poewe W, et al. [Psychosomatic aspects of idiopathic spasmodic torticollis. Results of a multicenter study]. *Psychother Psychosom Med Psychol.* 1998 Jan;48(1):1–12.
496. Schieppati M, Nardone A, Schmid M. Neck muscle fatigue affects postural control in man. *Neuroscience.* 2003;121(2):277–85.
497. Schmelzer L, Smitka M, Wolf C, Lucas N, Tungler V, Hahn G, et al. Variable clinical phenotype in two siblings with Aicardi-Goutieres syndrome type 6 and a novel mutation in the ADAR gene. *Eur J Paediatr Neurol.* 2018 Jan;22(1):186–9.
498. Schrag A, Trimble M, Quinn N, Bhatia K. The syndrome of fixed dystonia: an evaluation of 103 patients. *Brain.* 2004 Oct;127(Pt 10):2360–72.
499. Schwarz N. The fate of missed atlanto-axial rotatory subluxation in children. *Arch Orthop Trauma Surg.* 1998;117(4–5):288–9.
500. Schwingenschuh P, Katschnig P, Edwards MJ, Teo JTH, Korlipara LVP, Rothwell JC, et al. The blink reflex recovery cycle differs between essential and presumed psychogenic blepharospasm. *Neurology.* 2011 Feb 15;76(7):610–4.
501. Sebire G, Devictor D, Huault G, Aicardi J, Landrieu P, Tardieu M. Coma associated with intense bursts of abnormal movements and long-lasting cognitive disturbances: an acute encephalopathy of obscure origin. *J Pediatr.* 1992 Dec;121(6):845–51.
502. Seddighi AS, Seddighi A, Nikouei A. Deep brain nucleus targeting in Parkinson's disease and essential tremor by image guided surgery using neuronavigation system with tractography and volume of tissue of activated assessment. *Hell J Nucl Med.* 2017 Dec;20 Suppl:14–9.
503. Selivonenko SV. [Spectral analysis of cardiac rhythm as an indicator of the autonomic cardiovascular regulation]. *Ter Arkh.* 2002;74(1):59–61.
504. Shah R, Veerapandiyan A, Winchester S, Gallentine W, Mikati MA. Two patients with an anti-N-methyl-D-aspartate receptor antibody syndrome-like presentation and negative results of testing for autoantibodies. *Pediatr Neurol.* 2011 Dec;45(6):412–6.
505. Shahnawaz M, van der Westhuizen LR, Gledhill RF. Episodic cervical dystonia associated with gastro-oesophageal reflux. A case of adult-onset Sandifer syndrome. *Clin Neurol Neurosurg.* 2001 Dec;103(4):212–5.
506. Shaikh AG, Mewes K, DeLong MR, Gross RE, Triche SD, Jinnah HA, et al. Temporal profile of improvement of tardive dystonia after globus pallidus deep brain stimulation. *Parkinsonism Relat Disord.* 2015 Feb;21(2):116–9.
507. Shapleske J, Mickay AP, Mckenna PJ. Successful treatment of tardive dystonia with clozapine and clonazepam. *Br J Psychiatry.* 1996 Apr;168(4):516–8.
508. Sharma A, Hammer S, Egbert M, Sorrell JH. Electroconvulsive therapy and ocular dystonia. *J ECT.* 2007 Sep;23(3):181–2.
509. Shaw C, Hisama F, Friedman J, Bird TD. ADCY5-Related Dyskinesia. In: Adam MP, Ardinger HH, Pagon RA, Wallace SE, Bean LJ, Stephens K, et al., editors. *GeneReviews((R))*. Seattle (WA): University of Washington, Seattle; 1993.

510. Shaw KM, Hunter KR, Stern GM. Medical treatment of spasmotic torticollis. *Lancet*. 1972 Jun 24;1(7765):1399.
511. Shen C-Y, Wang Y-J, Liu X-M, Zhang X-Q, Ren X-J, Ma X-Y, et al. Improvement of Orbitofrontal Cortex Function Associated with Blephrospasm Symptom Remission. *Eur Neurol*. 2017;77(5-6):288–94.
512. Shi Y-C, Chen X-J, Zhang H-M, Wang Z, Du D-Y. Anti-N-Methyl-d-Aspartate receptor (NMDAR) encephalitis during pregnancy: Clinical analysis of reported cases. *Taiwan J Obstet Gynecol*. 2017 Jun;56(3):315–9.
513. Shprecher DR, Grossmann KF, Tward JD. Sustained remission of Parkinson disease associated melanoma with immunotherapy. *Parkinsonism Relat Disord*. 2014 Sep;20(9):1027–9.
514. Shtange LA, Ogleznev KI, Grigorian IA, Roshchina NA. [The results of microvascular decompression of the accessory nerve in patients with spastic torticollis]. *Zh Vopr Neirokhir Im N N Burdenko*. 1998 Mar;(1):17–9.
515. Sienraert P, Peuskens J. Remission of tardive dystonia (blepharospasm) after electroconvulsive therapy in a patient with treatment-refractory schizophrenia. *J ECT*. 2005 Jun;21(2):132–4.
516. Singh AP, George A, Steele N, Madhavan P. A case of familial paediatric atlantoaxial subluxation. *Ann R Coll Surg Engl*. 2012 Jul;94(5):e179-181.
517. Sixel-Doring F, Liepe K, Mollenhauer B, Trautmann E, Trenkwalder C. The role of 123I-FP-CIT-SPECT in the differential diagnosis of Parkinson and tremor syndromes: a critical assessment of 125 cases. *J Neurol*. 2011 Dec;258(12):2147–54.
518. Size MH, Rubin JS, Patel A. Acute dystonic reaction to general anesthesia with propofol and ondansetron: a graded response. *Ear Nose Throat J*. 2013 Jan;92(1):E16-18.
519. Skogseid IM, Kerty E. The course of cervical dystonia and patient satisfaction with long-term botulinum toxin A treatment. *Eur J Neurol*. 2005 Mar;12(3):163–70.
520. Slawek J, Cielecka A, Duzynski W. [Prognostic factors of long-standing improvement in cervical dystonia, treated with botulinum A toxin]. *Neurol Neurochir Pol*. 2002 Feb;36(1):47–56.
521. Smetnev AS, Bunin IA, Nargizian AB, Petrovskii PF, Vakhliaev VD. [Characteristics of lactate metabolism in the myocardium of patients with auricular fibrillation]. *Kardiologiiia*. 1983 Dec;23(12):70–3.
522. Sobstyl M, Zabek M, Dzierzecki S, Koziara H, Mossakowski Z. Chronic bilateral pallidal stimulation in patients with generalized primary dystonia - multi-contact cathodal stimulation is superior to bipolar stimulation mode. Preliminary results. *Neurol Neurochir Pol*. 2011 Jun;45(3):252–9.
523. Solov'eva AD, Fishman EI. [The effect of phototherapy on psychoautonomic disorders of a neurotic nature]. *Zh Nevrol Psichiatr Im S S Korsakova*. 1997;97(11):22–7.
524. Sonmez A, Ersoy B, Numanoglu A. Acute onset of velopharyngeal insufficiency and Dysphagia after sternocleidomastoid myotomy for congenital muscular torticollis. *Ann Plast Surg*. 2006 Mar;56(3):348–9.
525. Spagnolo F, Picozzi P, Franzin A, Martinelli V, Comi G, Volonte MA. Painful cervical dystonia triggered by the extension wire of a deep brain stimulator. *J Clin Neurosci*. 2012 Nov;19(11):1582–3.
526. Spasmodic torticollis. *Br Med J*. 1978 Sep 16;2(6140):786.
527. Squitieri F, de Yebenes JG. Profile of pridopidine and its potential in the treatment of Huntington disease: the evidence to date. *Drug Des Devel Ther*. 2015;9:5827–33.
528. Srinivasan KG, Praveen Kumar M, Ushanandhini KP, Ramprabananth S. MRI Eye-of-the-Tiger Sign in Organophosphate Poisoning. A Case Report. *Neuroradiol J*. 2010 Sep;23(4):407–11.
529. Stam D, Fernandez J. Robotic gait assistive technology as means to aggressive mobilization strategy in acute rehabilitation following severe diffuse axonal injury: a case study. *Disabil Rehabil Assist Technol*. 2017 Jul;12(5):543–9.
530. Starr PA, Vitek JL, DeLong M, Bakay RA. Magnetic resonance imaging-based stereotactic localization of the globus pallidus and subthalamic nucleus. *Neurosurgery*. 1999 Feb;44(2):303–13; discussion 313-314.
531. Steele RG, Ajayoglu B. Novel management of propofol induced dystonia in the post anaesthesia care unit. *Anaesth Intensive Care*. 2007 Feb;35(1):138.
532. Straube A, Mai N, Walther E, Mayer M. Persisting “writer’s cramp” as a result of compensation

- of a temporary palsy due to a hereditary neuropathy with liability to pressure palsies. *Mov Disord.* 1996 Sep;11(5):576–9.
533. Strenge H, Speidel H, Albert E, Helbig B. [Psychogenic hand dystonia and hereditary polyneuropathy with liability to pressure palsies. A contribution to etiology of dystonias]. *Fortschr Neurol Psychiatr.* 1996 Jan;64(1):20–5.
534. Sulica L. Contemporary management of spasmodic dysphonia. *Curr Opin Otolaryngol Head Neck Surg.* 2004 Dec;12(6):543–8.
535. Sun K-H, Lu Y-C, Hu G-H, Luo C, Hou L-J, Chen J-X, et al. [Effects of treatment of spasmodic torticollis by neurovascular decompression, myotomy, and toxin type A: a comparative study]. *Zhonghua Yi Xue Za Zhi.* 2009 Jan 6;89(1):21–4.
- 536. Svetel M, Ivanovic N, Marinkovic J, Jovic J, Dragasevic N, Kostic VS. Characteristics of dystonic movements in primary and symptomatic dystonias. *J Neurol Neurosurg Psychiatry.* 2004 Feb;75(2):329–30.**
537. Tabarki B, Alfadhel M, AlShahwan S, Hundallah K, AlShafi S, AlHashem A. Treatment of biotin-responsive basal ganglia disease: Open comparative study between the combination of biotin plus thiamine versus thiamine alone. *Eur J Paediatr Neurol.* 2015 Sep;19(5):547–52.
538. Tabuchi M, Mori E, Yamadori A. [The role of magnetic resonance imaging in the diagnosis of Hallervorden-Spatz disease]. *Rinsho Shinkeigaku.* 1990 Sep;30(9):972–7.
539. Tachibana A, Imabayashi H, Yato Y, Nakamichi K, Asazuma T, Nemoto K. Torticollis of a specific C1 dislocation with split atlas. *Spine (Phila Pa 1976).* 2010 Jun 15;35(14):E672-675.
540. Taira T, Hori T. Clinical application of drug pump for spasticity, pain, and restorative neurosurgery: other clinical applications of intrathecal baclofen. *Acta Neurochir Suppl.* 2003;87:37–8.
541. Taira T, Hori T. Intrathecal baclofen in the treatment of post-stroke central pain, dystonia, and persistent vegetative state. *Acta Neurochir Suppl.* 2007;97(Pt 1):227–9.
542. Taira T, Ochiai T, Goto S, Hori T. Fifteen year experience of intrathecal baclofen treatment in Japan. *Acta Neurochir Suppl.* 2006;99:61–3.
543. Taira T. [Update on multimodal neurosurgical management of dystonias]. *No To Hattatsu.* 2011 May;43(3):183–8.
544. Takahashi S, Ohira T, Shido S, Kawase T. Focal hand dystonia cured by removal of clinoid meningioma-case report-. *Neurol Med Chir (Tokyo).* 2009 Dec;49(12):619–21.
545. Tamura Y, Matsuhashi M, Lin P, Ou B, Vorbach S, Kakigi R, et al. Impaired intracortical inhibition in the primary somatosensory cortex in focal hand dystonia. *Mov Disord.* 2008 Mar 15;23(4):558–65.
546. Tarsy. Tardive Dyskinesia. *Curr Treat Options Neurol.* 2000 May;2(3):205–14.
547. Taub E, Uswatte G, Mark VW. The functional significance of cortical reorganization and the parallel development of CI therapy. *Front Hum Neurosci.* 2014;8:396.
548. Taub E, Uswatte G, Morris DM. Improved motor recovery after stroke and massive cortical reorganization following Constraint-Induced Movement therapy. *Phys Med Rehabil Clin N Am.* 2003 Feb;14(1 Suppl):S77-91, ix.
549. Tekgul H, Serdaroglu G, Uyar M, Tutuncuoglu S. Reflex sympathetic dystrophy in childhood. *Indian J Pediatr.* 2002 Apr;69(4):359–61.
550. Teranishi Y, Shin M, Yoshino M, Saito N. Solitary Langerhans cell histiocytosis of the occipital condyle: a case report and review of the literature. *Childs Nerv Syst.* 2016 Feb;32(2):399–404.
551. Thickbroom GW, Mastaglia FL. Plasticity in neurological disorders and challenges for noninvasive brain stimulation (NBS). *J Neuroeng Rehabil.* 2009 Feb 17;6:4.
552. Thompson JA, Yin D, Ojemann SG, Abosch A. Use of the Putamen as a Surrogate Anatomical Marker for the Internal Segment of the Globus Pallidus in Deep Brain Stimulation Surgery. *Stereotact Funct Neurosurg.* 2017;95(4):229–35.
553. Thumfart J, Weschke B, Ringe H, Weinhold N, Muller D. Acute renal failure unmasking Lesch-Nyhan disease in a patient with tuberous sclerosis complex. *Eur J Paediatr Neurol.* 2016 Jul;20(4):649–51.
- 554. Tibbetts RW. Spasmodic torticollis. *J Psychosom Res.* 1971 Dec;15(4):461–9.**
555. Tikhomirova KS, Daniel'ian LG, Alieva IZ, Vezdeneeva LF. [Carbon dioxide baths in the combined health resort treatment of children with autonomic vascular dystonia]. *Vopr Kurortol Fizioter Lech Fiz Kult.* 1998 Dec;(6):33–5.

556. Tinazzi M, Farina S, Bhatia K, Fiaschi A, Moretto G, Bertolasi L, et al. TENS for the treatment of writer's cramp dystonia: a randomized, placebo-controlled study. *Neurology*. 2005 Jun 14;64(11):1946–8.
557. Tinazzi M, Fiorio M, Fiaschi A, Rothwell JC, Bhatia KP. Sensory functions in dystonia: insights from behavioral studies. *Mov Disord*. 2009 Jul 30;24(10):1427–36.
558. Tolosa E, Montserrat L, Bayes A. Blink reflex studies in focal dystonias: enhanced excitability of brainstem interneurons in cranial dystonia and spasmodic torticollis. *Mov Disord*. 1988;3(1):61–9.
559. Tomczykiewicz K. [Cervical dystonia treatment with botulin toxin]. *Pol Merkur Lekarski*. 2016 Aug;41(242):107–10.
560. Tomic A, Vujovic B, Svetel M, Miskovic ND, Petrovic I, Pekmezovic T, et al. Efficacy of botulinum toxin type A in treatment of different forms of focal dystonias in the Serbian population: experience of the Botulinum Toxin Outpatients Department. *Vojnosanit Pregl*. 2015 Dec;72(12):1069–73.
561. Tondu D, Invernizzi F, Panteghini C, Pinelli L, Battaglia S, Fazzi E, et al. SLC19A3 related disorder: Treatment implication and clinical outcome of 2 new patients. *Eur J Paediatr Neurol*. 2018 Mar;22(2):332–5.
562. Trombetta C, Deogaonkar A, Deogaonkar M, Ebrahim Z, Rezai A, Machado A, et al. Delayed awakening in dystonia patients undergoing deep brain stimulation surgery. *J Clin Neurosci*. 2010 Jul;17(7):865–8.
563. Tsai FY, Kostanian V, Rivera M, Lee K-W, Chen CC, Nguyen TH. Cerebral venous congestion as indication for thrombolytic treatment. *Cardiovasc Intervent Radiol*. 2007 Aug;30(4):675–87.
564. Tsai S-W, Chen H-L, Chang Y-C, Chen C-M. Molecular mechanisms of treadmill therapy on neuromuscular atrophy induced via botulinum toxin A. *Neural Plast*. 2013;2013:593271.
565. Tse W-L, Lau S-W, Wong WY, Cheng H-S, Chow C-S, Ho P-C, et al. Arthroscopic reconstruction of triangular fibrocartilage complex (TFCC) with tendon graft for chronic DRUJ instability. *Injury*. 2013 Mar;44(3):386–90.
566. Tsuji DH, Takahashi MT, Imamura R, Hachiya A, Sennes LU. Endoscopic laser thyroarytenoid myoneurectomy in patients with adductor spasmodic dysphonia: a pilot study on long-term outcome on voice quality. *J Voice*. 2012 Sep;26(5):666.e7–12.
567. Tubiana R, Chamagne P. [Occupational arm ailments in musicians]. *Bull Acad Natl Med*. 1993 Feb;177(2):203–12; discussion 212–216.
568. Tunkel AR, Pasupuleti R, Acosta WR. Improvement of idiopathic torsion dystonia following dystonia-induced cervical subluxation. *J Neurol Neurosurg Psychiatry*. 1986 Aug;49(8):957.
569. Ugawa Y. [Electromyographic analysis of cortical myoclonus and focal dystonia]. *Rinsho Shinkeigaku*. 1995 Dec;35(12):1387–9.
570. Ujike H, Nakashima M, Kuroda S, Otsuki S. [Two siblings of juvenile Parkinson's disease dystonic type (Yokochi type 3) and hereditary progressive dystonia with marked diurnal fluctuation (Segawa)]. *Rinsho Shinkeigaku*. 1989 Jul;29(7):890–4.
571. Unich PP. [The characteristics of the central and peripheral hemodynamics in patients with disseminated sclerosis]. *Vrach Delo*. 1990 Apr;(4):94–6.
572. Valenzuela R, Court J, Godoy J. Delayed cyanide induced dystonia. *J Neurol Neurosurg Psychiatry*. 1992 Mar;55(3):198–9.
573. Valls-Sole J, Tolosa ES, Marti MJ, Allam N. Treatment with botulinum toxin injections does not change brainstem interneuronal excitability in patients with cervical dystonia. *Clin Neuropharmacol*. 1994 Jun;17(3):229–35.
574. Valls-Sole J, Tolosa ES, Nobbe F, Dieguez E, Munoz E, Sanz P, et al. Neurophysiological investigations in patients with head tremor. *Mov Disord*. 1997 Jul;12(4):576–84.
575. Valls-Sole J, Tolosa ES, Ribera G. Neurophysiological observations on the effects of botulinum toxin treatment in patients with dystonic blepharospasm. *J Neurol Neurosurg Psychiatry*. 1991 Apr;54(4):310–3.
576. van Breemen MSM, van der Kuip M, Ang CW, van Furth AM, Wolf NI. [Torticollis and seizures due to neuroborreliosis in a child]. *Ned Tijdschr Geneeskdt*. 2012;156(51):A5157.
577. van de Beek W-JT, Vein A, Hilgevoord AAJ, van Dijk JG, van Hilten BJ. Neurophysiologic aspects of patients with generalized or multifocal tonic dystonia of reflex sympathetic dystrophy. *J Clin Neurophysiol*. 2002 Jan;19(1):77–83.

578. van den Berg JS, Horstink MW, van den Hoogen FH, Oyen WJ. Dystonia; a central nervous system presentation of Sjogren's syndrome. *Mov Disord*. 1999 Mar;14(2):374–5.
579. van Harten PN, Kamphuis DJ, Matroos GE. [Tardive dystonia]. *Ned Tijdschr Geneeskd*. 1992 Aug 1;136(31):1519–22.
580. Van Harten PN, Kampuis DJ, Matroos GE. Use of clozapine in tardive dystonia. *Prog Neuropsychopharmacol Biol Psychiatry*. 1996 Feb;20(2):263–74.
581. van Vugt FT, Boullet L, Jabusch H-C, Altenmuller E. Musician's dystonia in pianists: long-term evaluation of retraining and other therapies. *Parkinsonism Relat Disord*. 2014 Jan;20(1):8–12.
582. van Wensen E, van de Warrenburg BP. [The yips: a movement disorder among golfers]. *Ned Tijdschr Geneeskd*. 2018;162(0):D2204.
583. Van Zandijcke M. Cervical dystonia (spasmodic torticollis). Some aspects of the natural history. *Acta Neurol Belg*. 1995 Dec;95(4):210–5.
584. Vandeplassche M, Simoens P, Bouters R, De Vos N, Verschooten F. Aetiology and pathogenesis of congenital torticollis and head scoliosis in the equine foetus. *Equine Vet J*. 1984 Sep;16(5):419–24.
585. Vanhoecke J, Hariz M. Deep brain stimulation for disorders of consciousness: Systematic review of cases and ethics. *Brain Stimul*. 2017 Dec;10(6):1013–23.
586. Verret JM, Lapresle J. [Motor symptomatology of the thalamus]. *Rev Neurol (Paris)*. 1986;142(4):368–74.
587. Vetrova EG, Popova IA. [Activity of oxidative enzymes during dosed exercise in healthy persons and in persons with neurocirculatory dystonia]. *Kosm Biol Aviakosm Med*. 1987 Dec;21(6):86–9.
588. Voigt K. [Neuroradiological diagnosis and treatment of dural carotid-cavernous sinus fistulae (author's transl)]. *Arch Psychiat Nervenkr (1970)*. 1978 Aug 22;225(4):359–77.
589. Voos MC, Oliveira T de P, Piemonte MEP, Barbosa ER. Case report: Physical therapy management of axial dystonia. *Physiother Theory Pract*. 2014 Jan;30(1):56–61.
590. Walser-Reinhard L, Schaarschmidt-Kiener D, Forster JL, Matheis F, Spiess B. Direct detection of *Ehrlichia canis* by PCR in the conjunctiva of a dog with bilateral anterior uveitis. *Schweiz Arch Tierheilkd*. 2012 Apr;154(4):149–52.
591. Walsh RA, Sidiropoulos C, Lozano AM, Hodaie M, Poon Y-Y, Fallis M, et al. Bilateral pallidal stimulation in cervical dystonia: blinded evidence of benefit beyond 5 years. *Brain*. 2013 Mar;136(Pt 3):761–9.
592. Wang JZ. [Paroxysmal kinesigenic choreoathetosis]. *Zhonghua Shen Jing Jing Shen Ke Za Zhi*. 1989 Feb;22(1):44–5, 63.
593. Watt E, Sangani I, Crawford F, Gillgrass T. The role of a dentist in managing patients with dystonia. *Dent Update*. 2013 Dec;40(10):846–8.
594. Wei H, Sun Y, Chen H, Wang D, Li L, Ding Y, et al. Somatosensory disinhibition in patients with paroxysmal kinesigenic dyskinesia. *Chin Med J (Engl)*. 2012 Mar;125(5):838–42.
595. Weissbach A, Werner E, Bally JF, Tunc S, Lons S, Timmann D, et al. Alcohol improves cerebellar learning deficit in myoclonus-dystonia: A clinical and electrophysiological investigation. *Ann Neurol*. 2017 Oct;82(4):543–53.
596. Wetzel H, Szegedi A, Hain C, Wiesner J, Schlegel S, Benkert O. Seroquel (ICI 204 636), a putative “atypical” antipsychotic, in schizophrenia with positive symptomatology: results of an open clinical trial and changes of neuroendocrinological and EEG parameters. *Psychopharmacology (Berl)*. 1995 May;119(2):231–8.
- 597. Whiles WH. Treatment of Spasmodic Torticollis by Psychotherapy. *Br Med J*. 1940 Jun 15;1(4145):969–71.**
598. Wicart P. [Congenital torticollis]. *Arch Pediatr*. 2012 Mar;19(3):335–9.
599. Wichers MJ. [Partial blocking of the tibial nerve with phenol as treatment of gait disorders due to pes equinus in central paralysis]. *Ned Tijdschr Geneeskd*. 1991 Apr 27;135(17):752–4.
600. Wichowicz HM, Jakuszkowiak-Wojten K, Slawek J, Soltan W, Cubala WJ, Landowski J. [Abdominal dystonia in a patient with schizophrenia: a case report]. *Psychiatr Pol*. 2009 Dec;43(6):751–60.
601. Wilkinson R, Meythaler JM, Guin-Renfroe S. Neuroleptic malignant syndrome induced by haloperidol following traumatic brain injury. *Brain Inj*. 1999 Dec;13(12):1025–31.
602. Willemse J. Benign idiopathic dystonia with onset in the first year of life. *Dev Med Child*

- Neurol. 1986 Jun;28(3):355–60.
603. Williams KS, Hankerson JG, Ernst M, Zametkin A. Use of propofol anesthesia during outpatient radiographic imaging studies in patients with Lesch-Nyhan syndrome. *J Clin Anesth.* 1997 Feb;9(1):61–5.
604. Williamson PD, Thadani VM, French JA, Darcey TM, Mattson RH, Spencer SS, et al. Medial temporal lobe epilepsy: videotape analysis of objective clinical seizure characteristics. *Epilepsia.* 1998 Nov;39(11):1182–8.
605. Wojcik JD, Falk WE, Fink JS, Cole JO, Gelenberg AJ. A review of 32 cases of tardive dystonia. *Am J Psychiatry.* 1991 Aug;148(8):1055–9.
606. Wolf ME, Capelle H-H, Lutjens G, Ebert AD, Hennerici MG, Krauss JK, et al. Body weight gain in patients with bilateral deep brain stimulation for dystonia. *J Neural Transm (Vienna).* 2016 Mar;123(3):261–7.
607. Wu CL, Lu CS. Delayed-onset dystonia following recovery from central pontine myelinolysis. *J Formos Med Assoc.* 1992 Oct;91(10):1013–6.
608. Wunderlich S, Reiners K, Gasser T, Naumann M. Cervical dystonia in monozygotic twins: case report and review of the literature. *Mov Disord.* 2001 Jul;16(4):714–8.
609. Xu Y-P, Shen J, Zhu Q-B, Gu J, Lin S-Z, Fan J-P. Efficacy of botulinum toxin A for treatment of unilateral spasms of the eyelid and its prognosis. *Eur Rev Med Pharmacol Sci.* 2013 Nov;17(21):2974–9.
610. Yamada N, Kim W-C, Hosokawa M, Yoshida T, Mouri H, Oka Y, et al. Use of a rugby helmet brace for postoperative treatment of muscular torticollis. *Orthopedics.* 2011 Oct 5;34(10):e659–663.
611. Yaman M, Sahin S, Kiziltan ME. Blink reflex recovery in central and peripherally originated movement disorders of the crano-cervical area: a comparative study. *Electromyogr Clin Neurophysiol.* 2009 Feb;49(1):19–25.
612. Yamane K, Nagashima H, Tanishima S, Teshima R. Severe rotational deformity, quadriplegia and respiratory embarrassment due to osteomyelitis at the occipito-atlantoaxial junction. *J Bone Joint Surg Br.* 2010 Feb;92(2):286–8.
613. Yang S-H, Chan AWS. Transgenic Animal Models of Huntington’s Disease. *Curr Top Behav Neurosci.* 2011;7:61–85.
614. Yaskin JC. THE TREATMENT OF SPASMODIC TORTICOLLIS WITH SPECIAL REFERENCE TO PSYCHOTHERAPY, WITH A REPORT OF A CASE. *J Nerv Ment Dis.* 1935 Mar;81(3):299–310.
615. Yeh S-B, Schenck CH. Sporadic Nocturnal Frontal Lobe Epilepsy--Report on Two Cases and Review of the First Taiwanese Series of 10 Cases. *Acta Neurol Taiwan.* 2017 Jun 15;26(2):55–63.
616. Yeh S-B, Schenck CH. Sporadic nocturnal frontal lobe epilepsy: A consecutive series of 8 cases. *Sleep Sci.* 2014 Sep;7(3):170–7.
617. Yi C, Peng C, Xin S. [Sternocleidomastoid muscle lengthening for the cure of muscular torticollis]. *Zhonghua Zheng Xing Shao Shang Wai Ke Za Zhi.* 1996 Jan;12(1):22–4.
618. Yoshida K, Kaji R, Takagi A, Iizuka T. Customized EMG needle insertion guide for the muscle afferent block of jaw-deviation and jaw-opening dystonias. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod.* 1999 Dec;88(6):664–9.
619. Yoshida T. [A case of delayed postanoxic encephalopathy with bilateral lesions of the corpus striatum]. *Seishin Shinkeigaku Zasshi.* 1989;91(5):303–17.
620. Yoshimura A, Kibe T, Yokochi K. [Cervical myelopathy associated with os odontoideum after botulinum toxin treatment in a patient with cerebral palsy]. *No To Hattatsu.* 2014 Jul;46(4):307–10.
621. Yu SW, Wang NH, Chin LS, Lo WH. Surgical correction of muscular torticollis in older children. *Zhonghua Yi Xue Za Zhi (Taipei).* 1995 Feb;55(2):168–71.
622. Zambrino CA, Balottin U, Borgatti R, Lanzi G. Consideration on two cases of dystonia-parkinsonism. *Ital J Neurol Sci.* 1991 Oct;12(5):475–8.
623. Zhang YX, Yang HL, Wu YY, Wang CC, Gao XY, Shi YY, et al. [Clinical analysis of 9 cases with Anti-leucine-rich glioma inactivated 1 protein antibody associated limbic encephalitis]. *Zhonghua Yi Xue Za Zhi.* 2017 May 9;97(17):1295–8.
624. Ziegler JS, von Stauffenberg M, Vlaho S, Bohles H, Kieslich M. Dystonia with secondary

- contractures: a psychogenic movement disorder mimicking its neurological counterpart. *J Child Neurol.* 2008 Nov;23(11):1316–8.
625. Zudenigo D, Relja M. [Hepatolenticular degeneration]. *Neurologija.* 1990;39(2):115–27.
626. Zuo YZ. [Clinical classification and the treatment of spastic torticollis]. *Zhonghua Zheng Xing Shao Shang Wai Ke Za Zhi.* 1991 Dec;7(4):262–3, 317.