

Supplementary file 1.

Table S1. Search strategy and main literature results considered in the perspective.

Database Searched	Search Terms	Exclusion criteria	Main research topic	N° of papers	Concerning adults	Concerning pediatric patients and adolescents	Study type
MEDLINE, Up To Date Google Scholar	("Fatigue" OR "weakness" OR "tiredness" OR "weariness" OR "drowsiness") AND ("child" OR "pediatric" OR "paediatric" OR "children" OR "kid" OR "toddler"). "Tired child"; "child with fatigue"; "paediatric fatigue"; "pediatric fatigability"; ("chronic fatigue" AND "children"); ("medication" OR "drugs" AND "fatigue" AND "children"); ("sleep disturbances" AND "children")	- Articles addressing fatigue related to COVID-19 pandemic - Fatigue in patients with chronic diseases - Duplicates - Case reports, case series	Chronic Fatigue Syndrome/ Myalgic Encephalomyelitis (CSF/ME)	26	4	22	10 review articles, 1 systematic review, 4 guidelines from metanalysis, 11 observational studies
			Fatigue as a clue of psycological/psychiatr ic problem or Somatic Symptom Disorder	20	6	14	l systematic review, 5 review articles, 5 commentaries, 9 observational studies
			Fatigue as the main complaint expression of several subtended condition	19	12	7	13 review articles, 3 systematic reviews and 3 observational studies
			Fatigue as the main complaint 'per se'	12	6 - Approach to the adult patient with fatigue. (UpToDate) - Approach to the patient with muscle weakness (UpToDate) - Approach to the patient with excessive daytime sleepiness (Uptodate) - Finsterer et al. (2004) - Nijrolder et al. (2009) - Sharpe (2002)	6* Farmer et al. (2004) Haines et al. (2005) ter Wolbeek et al. (2006) Saidi et al. (2006) Fisher et al. 2013 Càrdenas Villamil et al. (2017)	7 clinical review articles, 5 observational studies

*Such literature results are reported in table 3.



Table S2. Literature results concerning fatigue as the main complaint among children and young adults.

Abbreviations: CSF, chronic fatigue syndrome; GP, general practitioner; CSF/ME, chronic fatigue syndrome/myalgic encephalomyelitis; ESR/CRP, erythrocyte sedimentation rate, C- reactive protein; EBV, Epstein Barr virus; ANA, anti-nuclear antibodies; RF, rheumatoid factor; CI, confidence interval; MRC, Medical Research Council.

Citation	Framework	Research	Study type - Methods	Results	Conclusions
(Author/Date)		hypotheses			
Farmer et al. (2004)	Epidemiology of chronic fatiguing illnesses in young people	To estimate the lifetime prevalence of different definitions of chronic fatigue in 8- to17-year- olds.	Observational study. Participants came from two population-based twin series. Parents completed self-report questionnaires that enquired whether either child had ever experienced more than a few days of disabling fatigue. Telephone interviews were undertaken for individuals who had experienced such an episode.	Questionnaires were returned by 1468 families (65% response rate) and telephone interviews were undertaken regarding 99 of the 129 subjects (77%) who had experienced fatigue. The lifetime prevalence estimates ranged from 2.34% (95% CI1.75^2.94) for disabling fatigue lasting 3 months to 1.29% (95% CI 0.87^1.71) for a disorder resembling adult operationally defined chronic fatigue syndrome.	From the age of 11 years, young people have similar rates and types of chronic fatiguing illnesses to adults.Chronic fatigue causes considerable impairment in young people, to both social development and time missed from school.Operational criteria for chronic fatigue syndrome (CFS) should require only 3 months' symptom duration in young people and not 6 months as in adults.
Haines et al. (2005)	Prevalence of severe fatigue in primary care pediatric patients	To report cases of severe disabling fatigue of over three months in 5–19 year old in primary care and the diagnoses given by the GP	Retrospective cross-sectional study. A postal survey of 1024 UK General Practitioner (GP) practices was undertaken. The number of subjects with disabling fatigue for at least three months with a premorbid level of activity significantly reduced or impaired was reported.	These cases were grouped as: fatigue diagnoses (n = 281; 62%) (chronic fatigue, CFS, fatigue/severe fatigue syndrome, fatigue, lethargy, malaise, ME, CFS/ME, fibromyalgic CFS, and fibromyalgia); viral diagnoses (viral infection, post-viral fatigue) (n = 154; 34%); and psychosocial diagnoses depression, bullying, family factors) (n = 20; 4%).	The prevalence of medically unexplained severe fatigue over three months in 5–19 year old was 62/100 000. Cases were predominantly adolescent girls and were more likely to come from practices in less deprived areas, which could reflect consulting behaviors.



ter Wolbeek et al.	Prevalence of severe	To determine the	Observational study. In a	Data showed high prevalence	Adolescent girls seem to be more vulnerable to
(2006)	fatigue in	prevalence of severe	sample of 1718 boys and 1749	rates of severe fatigue in	symptoms of fatigue and comorbidity than boys.
× ,	adolescents	fatigue in adolescents; to	girls, fatigue severity and	adolescents. 20.5% of girls and	Interestingly, despite a female predominance in
		explore the role of	duration were measured using	6.5% of the boys scored above	complaints, the relation between fatigue and
		lifestyle factors in	a multidimensional	the clinical cutoff score on the	depression, anxiety, and chronic fatigue
		fatigue; to investigate	questionnaire (Checklist	Checklist Individual Strength.	syndrome-related symptoms was not gender
		whether severe fatigue	Individual Strength). In	Of the examined lifestyle	specific and emerged as a cluster. It has been
		in a healthy population	addition, self-reports of	characteristics, only sleep	hypothesize that enduring severe fatigue may
		is associated with	depressive symptoms, anxiety,	characteristics and the	form a risk factor for the development of chronic
		depression, anxiety, and	chronic fatigue syndrome-	participation in sports played a	fatigue syndrome.
		comorbid factors also	related symptoms, and	role in predicting fatigue in	8
		observed in chronic	lifestyle characteristics were	both genders. Moreover, in	
		fatigue syndrome	assessed. Prevalence rates of	girls, fatigue was associated	
		patients.	severe fatigue and severe	with higher age, an early	
		1	fatigue for >1 month, based on	menarche, medication use, and	
			a clinical cutoff score of the	the absence of an additional	
			Checklist Individual Strength,	job. Overall, girls scored	
			were determined for boys and	higher on depression, anxiety,	
			girls separately, and gender-	and chronic fatigue syndrome-	
			specific predictors of fatigue	related symptoms. In both girls	
			were identified by multiple	and boys, the duration of	
			regression analysis.	fatigue was positively related	
			<i>.</i>	to fatigue severity, severity of	
				depression and anxiety, and the	
				number of chronic fatigue	
				syndrome-related symptoms.	
Saidi et al. (2006)	Management of	To describe	Descriptive retrospective	94 patients were considered to	Patient characteristics are comparable to those
	chronic fatigue	characteristics of	study. 62 UK GP practices in	meet the Oxford CFS criteria	reported in tertiary care, although fewer are severe
	syndrome in	patients aged	the MRC General Practice	with a fatigue duration of 3	cases. GPs have responsibility for the majority of
	primary care among	5-19 years with CFS-	Research Framework (GPRF)	months. 73% were girls, 94%	patients, are diagnosing CFS/ME within a short
	pediatric patients	like illness in primary	were included. 116 patients	white, mean age was 12.9 years	time and applying a range of referral and advice
		care and to examine how	consulting a GP with severe	and median illness duration 3.3	strategies. The most ordered lab tests by the GP
		GPs investigate and	fatigue lasting over 3 months	years. GPs had principal	included: Hemoglobin, White cell count, thyroid,
		manage patients.	were identified. Practice	responsibility for 62%. A	kidney and liver function, , Monospot, ESR/CRP,
			nurses and GPs completed	diagnosis of CFS/ME was	Urine test, Bone profile, Blood glucose,
			questionnaires from medical	made in 55%, 30% of these	Immunoglobulins, Creatine kinase.
			notes and patients completed	within 6 months. Pediatric	
			postal questionnaires.	referrals were made in 82%	
				and psychiatric referrals in	
				46% (median time of 2 and 13	
				months respectively). Advice	
				given included setting activity	
				goals, pacing, rest and graded	
				exercise.	



Fisher. (2013)	Fatigue in pediatrics	To provide a framework	Mini-review. It is a	A thorough list of possible	The evaluation of CFS in adolescents, which
· · · ·	can be a complaint	for evaluating the	communication based on	organic causes of fatigue is	applies to the evaluation of fatigue in teenagers in
	of an underlying	complaint of fatigue in	author's personal experience	considered, along with sleep	general, incorporates a physical examination that
	medical condition.	adolescents offering	in the clinical management of	disorders. psychological	most often demonstrates no abnormalities, as well
	psychological or	approaches to	fatigue in adolescents. They	causes and medications. Also	as basic laboratory tests, which likewise usually
	psychiatric	management.	consider: adolescent sleep	they underline the need of	demonstrate no abnormalities. In those rare
	condition or a		patterns, psychological and	performing a basic laboratory	instances in which either the examination or
	specific sleep		medical causes of fatigue.	screening including complete	laboratory testing do reveal abnormalities, they
	disorder.		C C	blood count and metabolic	may be the clue to a specific diagnosis.
				panel, as well as thyroid	
				function test. Other possible	
				tests to perform are ESR, EBV	
				antibodies, RF, ANA,	
				pulmonary function tests, chest	
				X-ray or tuberculin test if signs	
				are consistent. Chronic Fatigue	
				syndrome as an exclusion	
				diagnosis is also mentioned.	
Cárdenas Villamil et	Evaluation and	To provide a tool for	Narrative review. A total of 33	Prevalence of fatigue in	A sleep assessment should be a routine
al. (2017)	management of the	approaching the	articles obtained for the	adolescence vary from 0.7 to	component of the clinical evaluation of
	tired adolescent in	adolescent complaining	diagnostic and therapeutic	7.4%. The main cause of	adolescents and the initial approach to exclude
	the family practice	of fatigue.	approach of the tired	fatigue in adolescence was	secondary causes.
		-	adolescent in Primary Care	excessive daytime sleepiness	
			were analyzed .	and drowsiness for insufficient	
				or inadequate sleep. Other	
				causes to investigate are	
				mentioned.	



List of the main papers evaluated but not all included in the reference list:

CHRONIC FATIGUE SYNDROME/MYALGIC ENCEPHALOMYELITIS (26)

- Avellaneda Fernández A, Pérez Martín A, Izquierdo Martínez M, Arruti Bustillo M, Barbado Hernández FJ, de la Cruz Labrado J, et al. (2009). Chronic fatigue syndrome: aetiology, diagnosis and treatment. BMC Psychiatry, 9 (suppl 1):S1. doi:10.1186/1471-244X-9-S1-S1.
- Bell DS, Jordan K, Robinson M (2001). Thirteen-year follow-up of children and adolescents with chronic fatigue syndrome. *Pediatrics* **107**(**5**):994–8. DOI: <u>10.1542/peds.107.5.994</u>.
- Brigden A, Loades M, Abbott A, Bond-Kendall J, Crawley E (2017). Practical management of chronic fatigue syndrome or myalgic encephalomyelitis in childhood. *Arch Dis Child* **102(10):981-986**. doi:10.1136/archdischild-2016-310622.
- Capelli E, Zola R, Lorusso L, Venturini L, Sardi F, Ricevuti G. Chronic Fatigue Syndrome/Myalgic Encephalomyelitis: An Update (2010). Int J Immunopathol Pharmacol 23(4):981–9. DOI: 10.1177/039463201002300402.
- Carruthers BM, van de Sande MI, De Meirleir KL, Klimas NG, Broderick G, Mitchell T, et al. (2011). Myalgic encephalomyelitis: International Consensus Criteria. *J Intern Med* 270(4):327–38. DOI: <u>10.1111/j.1365-2796.2011.02428.x</u>.
- Carter BD, Marshall GS (1995). New Developments: Diagnosis and Management of Chronic Fatigue in Children and Adolescents. *Current Problems in Pediatrics* 25:281-93. Doi:10.1016/s0045-9380(06)80057-5.
- Committee on the Diagnostic Criteria for Myalgic Encephalomyelitis/Chronic Fatigue Syndrome; Board on the Health of Select Populations; Institute of Medicine. Beyond Myalgic Encephalomyelitis/Chronic Fatigue Syndrome: Redefining an Illness. Washington (DC): National Academies Press (US); 2015 Feb 10. 3, Current Case Definitions and Diagnostic Criteria, Terminology, and Symptom Constructs and Clusters. Available from: https://www.ncbi.nlm.nih.gov/books/NBK284898/ [accessed 2022 June 21].
- Evidence based guideline for the management of CFS/ME (chronic fatigue syndrome/myalgic encephalopathy) in children and young people. London: Royal College of Paediatrics and Child Health; 2004. Available from: https://www.whatdotheyknow.com/request/370385/response/925312/attach/5/Appendix% 203% 20RCPCH% 20CFS.pdf [accessed 2022 June 21].
- Fowler T, Duthie P, Thapar A, Farmer A (2005). The definition of disabling fatigue in children and adolescents. *BMC Family Practice* 6:33. doi:10.1186/1471-2296-6-33.
- Fukuda K, Straus SE, Hickie I, Sharpe MC, Dobbins JG, Komaroff A (1994). The Chronic Fatigue Syndrome: A Comprehensive Approach to Its Definition and Study. *Ann Int Med* **121**(**12**):953. DOI: <u>10.7326/0003-4819-121-12-199412150-00009</u>.
- Garralda E, Rangel L, Levin M, Roberts H, Ukoumunne O (1999). Psychiatric adjustment in adolescents with a history of chronic fatigue syndrome. *J Am Acad Child Adolesc Psychiatry* **38**(**12**):1515–21. DOI: <u>10.1097/00004583-199912000-00012</u>.
- Garralda ME, Rangel L (2002). Annotation: Chronic fatigue syndrome in children and adolescents. J Child Psychol Psychiatry 43(2):169–76. DOI: 10.1111/1469-7610.00010.
- Jason LA, Brown A, Clyne E, Bartgis L, Evans M, Brown M (2012). Contrasting Case Definitions for Chronic Fatigue Syndrome, Myalgic Encephalomyelitis. *Eval Health Prof* **35**(**3**):280–304. DOI: <u>10.1177/0163278711424281</u>.
- Jordan KM, Landis DA, Downey MC, Osterman SL, Thurm AE, Jason LA (1998). Chronic fatigue syndrome in children and adolescents: a review. J Adolesc Health Off Publ Soc Adolesc Med 22(1):4–18. DOI: 10.1016/S1054-139X(97)00212-7.



- Knight S, Elders S, Rodda J, Harvey A, Lubitz L, Rowe K, et al. (2019). Epidemiology of paediatric chronic fatigue syndrome in Australia. *Arch Dis Child*; 104:733-738. doi:10.1136/archdischild-2018-316450.
- Knight SJ, Politis J, Garnham C, Scheinberg A, Tollit MA (2018). School Functioning in Adolescents With Chronic Fatigue Syndrome. *Front Pediatr* 6:302. DOI: <u>10.3389/fped.2018.00302</u>.
- Knight SJ, Scheinberg A, Harvey AR (2013). Interventions in pediatric chronic fatigue syndrome/myalgic encephalomyelitis: a systematic review. *J Adolesc Health Off Publ Soc Adolesc Med* **53**(2):154–65. DOI: <u>10.1016/j.jadohealth.2013.03.009</u>.
- Lievesley K, Rimes KA, Chalder T (2014). A review of the predisposing, precipitating and perpetuating factors in Chronic Fatigue Syndrome in children and adolescents. Clinical Psychology Review **34:233-248**. doi:10.1016/j.cpr.2014.02.002.
- May M, Emond A, Crawley E. (2010). Phenotypes of chronic fatigue syndrome in children and young people. Arch Dis Child 95:245-249. doi:10.1136/adc.2009.158162.
- National Collaborating Centre for Primary Care (UK). Chronic Fatigue Syndrome/Myalgic Encephalomyelitis (or Encephalomyelitis (or Encephalopathy) in Adults and Children [Internet]. London: Royal College of General Practitioners (UK); 2007 [cited 2022 May 20]. (National Institute for Health and Clinical Excellence: Guidance). Available from: http://www.ncbi.nlm.nih.gov/books/NBK53577/ [accessed 2022 June 21].
- NICE (National Institute for Health and Care Excellence) guideline; Royal College of Physicians. Myalgic encephalomyelitis (or encephalopathy)/chronic fatigue syndrome: diagnosis and management (NG206). Published: 29 October 2021. Available from: www.nice.org.uk/guidance/ng206 [accessed 2022 June 21]
- Rangel L, Garralda ME, Levin M, Roberts H (2000). The course of severe chronic fatigue syndrome in childhood. J R Soc Med 93(3):129–34. DOI: 10.1177/014107680009300306.
- Rollnik JD. Chronic Fatigue Syndrome: A Critical Review (2017). Fortschr Neurol Psychiatr 85(2):79–85. DOI: 10.1055/s-0042-121259.
- Sankey A, Hill CM, Brown J, Quinn L, Fletcher A (2006). A follow-up study of chronic fatigue syndrome in children and adolescents: symptom persistence and school absenteeism. *Clin Child Psychol Psychiatry* **11**(1):126–38. DOI: <u>10.1177/1359104506059133</u>.
- Serafimova T, Loades M, Gaunt D, Crawley E (2021). Who should we ask about mental health symptoms in adolescents with CFS/ME? Parent-child agreement on the revised children's anxiety and depression scale. *Clin Child Psychol Psychiatry* **26**(2):367–80. DOI: <u>10.1177/1359104521994880</u>.
- Wilson A, Hickie I, Lloyd A, Hadzi-Pavlovic D, Boughton C, Dwyer J, et al. (1994). Longitudinal study of outcome of chronic fatigue syndrome. *BMJ* **308(6931)**:756–9. DOI: <u>10.1136/bmj.308.6931.756</u>.

FATIGUE AS THE MAIN ISOLATED COMPLAINT (12)

- Cárdenas Villamil JP, Cavanzo Ramírez AI, García Manrique JG (2017). El adolescente "cansado": evaluación y manejo en al consulta de medicina familiar. *Semergen.* **1138-3593**. <u>http://dx.doi.org/10.1016/j.semerg.2017.01.009</u>
- Chervin RD. Approach to the patient with excessive daytime sleepiness. In: *UpToDate*, Scammell TE, Eichler AF (Ed), UpToDate, Waltham, MA, 2022.
- Farmer A, Fowler T, Scourfield J, Thapar A (2004). Prevalence of chronic disabling fatigue in children and adolescents. *Br J Psychiatry* **184**(6):477–81. DOI: <u>10.1192/bjp.184.6.477</u>.
- Finsterer J, Mahjoub SZ (2014). Fatigue in Healthy and Diseased Individuals. Am J Hosp Palliat Med 31(5):562–75. DOI: 10.1177/1049909113494748.



- Fisher M (2013). Fatigue in adolescents. Mini-review. J Pediatr Adolesc Gynecol 26 (252-256). doi:10.1016/j.jpag.2011.12.067.
- Fosnocht KM, Ende J. Approach to the adult patient with fatigue. In: *UpToDate*, Elmore JG and Givens J (Ed), UpToDate, Waltham, MA, 2022.
- Haines LC (2005). Prevalence of severe fatigue in primary care. Arch Dis Child 90(4):367–8. DOI: <u>10.1136/adc.2003.039917</u>.
- Nijrolder I, van der Windt D, de Vries H, van der Horst H (2009). Diagnoses during follow-up patients presenting with fatigue in primary care. *CMAJ*, **181(10)**. DOI: <u>10.1503/cmaj.090647</u>.
- Saidi L and Haines L (2006). The management of children with chronic fatigue syndrome-like illness in primary care: a cross-sectional study. *British Journal of General Practice*; 56:43-47. PMID: 16438814.
- Sharpe M, Wilks D. Fatigue (2002). BMJ, 325(7362):480–3. DOI: 10.1136/bmj.325.7362.480.

FATIGUE AS EXPRESSION OF OTHER SUBTENDED CONDITIONS - NEUROLOGIC FATIGUE AND PATHOPHYSIOLOGY OF FATIGUE (19)

- Barohn R, Dimachkie M, Jackson C (2014). A Pattern Recognition Approach to Patients with a Suspected Myopathy. *Neurologic Clinics* **32(3)**:569–593. DOI: <u>10.1016/j.ncl.2014.04.008</u>.
- Chaudhuri A, Behan PO (2004). Fatigue in neurological disorders. Lancet; 363:978-88. Doi: 10.1016/S0140-6736(04)15794-2.
- Davis MP, Walsh D (2010). Mechanisms of fatigue. J Support Oncol 8(4):164–74. PMID: 20822034.
- Janssens L, Brumagne S, McConnell AK, Raymaekers J, Goossenns N, Gayan-Ramirez G, et al. (2013). The assessment of inspiratory muscle fatigue in healthy individuals: A systematic review. *Respir Med* **107(3)**:331–46. DOI: <u>10.1016/j.rmed.2012.11.019</u>.
- Jason LA, Evans M, Brown M, Porter N (2010). What is Fatigue? Pathological and Nonpathological Fatigue. *M&R* 2(5):327–31. DOI: <u>10.1016/j.pmrj.2010.03.028</u>.
- Kluger BM, Krupp LB, Enoka RM (2013). Fatigue and fatigability in neurologic illnesses: Proposal for a unified taxonomy. *Neurology* **80**(4):409–16. DOI: <u>10.1212/WNL.0b013e31827f07be</u>.
- Mancuso M, Angelini C, Bertini E, Carelli V, Comi GP, Minetti C, et al. (2012). Fatigue and exercise intolerance in mitochondrial diseases. Literature revision and experience of the Italian Network of mitochondrial diseases. *Neuromuscular Disorders* 22:S226–S229. DOI: <u>10.1016/j.nmd.2012.10.012</u>.
- Meltzer LJ, Pugliese CE (2017). Sleep in young children with asthma and their parents. J Child Health Care. 21(3):301-311. DOI:10.1177/1367493517712064.
- Murray BJ. Excessive daytime sleepiness due to medical disorders and medications. In: *UpToDate*, Scammel TE, Eichler AF (Ed), UpToDate, Waltham, MA, 2022.
- Owens J, Adolescent Sleep Working Group, Committee on Adolescence (2014). Insufficient Sleep in Adolescents and Young Adults: An Update on Causes and Consequences. *Pediatrics* 134(3):e921–32. DOI: <u>10.1542/peds.2014-1696</u>.
- Owens S, Gutin B (2000). Exercise Intolerance. *Pediatrics in Review* 21(1):6–9. DOI: <u>10.1542/pir.21-1-6</u>.
- Penner IK, Paul F (2007). Fatigue as a symptom or comorbidity of neurological diseases. *Nat Rev Neurol* **13**(**11**):662–75. DOI: <u>10.1038/nrneurol.2017.117</u>.
- Ramirez FD, Chen S, Langan SM, Prather AA, McCulloch CE, Kidd SA, et al (2019). Association of Atopic Dermatitis With Sleep Quality in Children. *JAMA Pediatr*. **173**(5):e190025. DOI:10.1001/jamapediatrics.2019.0025.
- Shefner JM. Approach to the patient with muscle weakness. In: UpToDate, Targoff IN and Wilterdink JL (Ed), UpToDate, Waltham, MA, 2022.



- Siniscalchi A, Gallelli L, Russo E, De Sarro G (2013). A review on antiepileptic drugs-dependent fatigue: Pathophysiological mechanisms and incidence. *Eur J Pharmacol* **718**(1-3):10–6. DOI: <u>10.1016/j.ejphar.2013.09.013</u>.
- Takahashi T, Yamada K, Kobayashi H, Hasegawa Y, Taketani T, Fukuda S, et al. (2015). Metabolic disease in 10 patients with sudden unexpected death in infancy or acute life-threatening events: SUDI and ALTE in metabolic disease. *Pediatr Int*, **57**(**3**):348–53. DOI: <u>10.1111/ped.12660</u>.
- Tanaka M, Watanabe Y. Supraspinal regulation of physical fatigue (2012). Neurosci Biobehav Rev 36(1):727–34. DOI: 10.1016/j.neubiorev.2011.10.004.
- Teoh H, Carey K, Sampaio H, Mowat D, Roscioli T, Farrar M (2017). Inherited Paediatric Motor Neuron Disorders: Beyond Spinal Muscular Atrophy. *Neural Plasticity* **2017**:6509493. DOI: <u>10.1155/2017/6509493</u>.
- ter Wolbeek M, van Doornen LJP, Kavelaars A, Heijnen CJ (2006). Severe fatigue in adolescents: a common phenomenon? *Pediatrics*, **117(6)**:e1078-1086. DOI: <u>10.1542/peds.2005-2575</u>.
- Urbano G, Tablizo B, Moufarrej Y, Tablizo M, Chen M, Witmans M (2021). The Link between Pediatric Obstructive Sleep Apnea (OSA) and Attention Deficit Hyperactivity Disorder (ADHD) *Children* **8**(**9**):824. DOI: <u>10.3390/children8090824</u>.

FATIGUE AS A CLUE OF PSYCHIATRIC/PSYCHOLOGICAL/SOMATIC DISORDERS (20)

- Bakker RJ, van de Putte EM, Kuis W, Sinnema G (2009). Risk factors for persistent fatigue with significant school absence in children and adolescents. *Pediatrics* **124**(1):e89–95. DOI: <u>10.1542/peds.2008-1260</u>.
- Caqueo-Urízar A, Flores J, Escobar C, Urzúa A, Irarrázaval M (2020). Psychiatric disorders in children and adolescents in a middle-income Latin American country. *BMC Psychiatry* **20**(1):104. DOI: <u>10.1186/s12888-020-02512-4</u>.
- Cozzi G, Barbi E (2020). Chronic school absenteeism as a diagnostic clue for paediatricians. J Paediatr Child Health 56(2):191–3. DOI: 10.1111/jpc.14689.
- Cozzi G, Minute M, Skabar A, Pirrone A, Mohamad J, Neri E, et al. (2017). Somatic symptom disorder was common in children and adolescents attending an emergency department complaining of pain. *Acta Paediatr* **106**(4):586–93. DOI: <u>10.1111/apa.13741</u>.
- De Sanctis V, Abbasciano V, Soliman AT, Soliman AT, Soliman N, Di Maio S, et al. (2019). The juvenile fibromyalgia syndrome (JFMS): a poorly defined disorder. Acta Bio Medica Atenei Parm 90(1):134–48. DOI: 10.23750/abm.v90i1.8141.
- Joyner MJ (2016). Fatigue: Where did we come from and how did we get here? Medicine & Science in Sports & Exercise. doi: 10.1249/MSS.000000000000938.
- Jureidini JN, Shafer AT, Donald TG (2003). "Munchausen by proxy syndrome": not only pathological parenting but also problematic doctoring? *Med J Aust*;**178**(3):130–2. DOI: <u>10.5694/j.1326-5377.2003.tb05104.x</u>.
- Kleppang AL, Steigen AM, Ma L, Søberg Finbråten H, Hagquist C (2021). Electronic media use and symptoms of depression among adolescents in Norway. *PLOS ONE* **16**(7):e0254197. DOI: <u>10.1371/journal.pone.0254197</u>.
- Lemola S, Perkinson-Gloor N, Brand S, Dewald-Kaufmann JF, Grob A (2015). Adolescents' Electronic Media Use at Night, Sleep Disturbance, and Depressive Symptoms in the Smartphone Age. *J Youth Adolesc* **44**(2):405–18. DOI: <u>10.1007/s10964-014-0176-x</u>.
- Liao SC, Ma HM, Lin YL, Huang WL (2019). Functioning and quality of life in patients with somatic symptom disorder: The association with comorbid depression. *Compr Psychiatry* **90**:88–94. DOI: <u>10.1016/j.comppsych.2019.02.004</u>.
- Malas N, Ortiz-Aguayo R, Giles L, Ibeziako P (2017). Pediatric Somatic Symptom Disorders. *Curr Psychiatry Rep* **19**(2):11. DOI: <u>10.1007/s11920-017-0760-3</u>.



- Morabito G, Barbi E, Cozzi G (2020). The Unaware Physician's Role in Perpetuating Somatic Symptom Disorder. *JAMA Pediatr* 174(1):9. DOI: <u>10.1001/jamapediatrics.2019.4381.</u>
- Murray AM, Toussaint A, Althaus A, Löwe B (2013). Barriers to the diagnosis of somatoform disorders in primary care: protocol for a systematic review of the current status. *Syst Rev*;2:99. DOI: 10.1186/2046-4053-2-99.
- Murray AM, Toussaint A, Althaus A, Löwe B (2016). The challenge of diagnosing non-specific, functional, and somatoform disorders: a systematic review of barriers to diagnosis in primary care. Journal of Psychosomatic Research. **80:1-10.** Doi:10.1016/j.jpsychores.2015.11.002.
- Peri F, Nisticò D, Morabito G, Occhipinti A, Ventura A, Barbi E, et al. (2019). Somatic symptom disorder should be suspected in children with alleged chronic Lyme disease. *Eur J Pediatr* **178(8)**:1297–300. DOI: <u>10.1007/s00431-019-03416-6</u>.
- Roach A (2018). Supportive Peer Relationships and Mental Health in Adolescence: An Integrative Review. *Issues Ment Health Nurs* **39(9)**:723–37. DOI: <u>10.1080/01612840.2018.1496498</u>.
- Silber TJ, Pao M (2003). Somatization Disorders in Children and Adolescents. *Pediatr Rev* 24(8):255–64. DOI: <u>10.1542/pir.24-8-255</u>.
- Taastrøm A, Klahn J, Staal N, Thomsen PH, Johansen A (2014). Children and adolescents in the Psychiatric Emergency Department: a 10-year survey in Copenhagen County. *Nord J Psychiatry* **68(6)**:385–90. DOI: <u>10.3109/08039488.2013.846410</u>.
- Tack M (2019). Medically Unexplained Symptoms (MUS): Faults and Implications. Int J Environ Res Public Health 16(7):1247. DOI: 10.3390/ijerph16071247.
- Taylor RR, Jason LA, Jahn SC (2003). Chronic fatigue and sociodemographic characteristics as predictors of psychiatric disorders in a community-based sample. *Psychosom Med* **65**(5):896–901. DOI: <u>10.1097/01.psy.0000088580.28749.7f</u>.

OTHERS:

- Related to "FATIGUE IN PATIENTS WITH SPECIFIC CONDITIONS"

- Crichton A, Knight S, Oakley E, Babl FE, Anderson V (2015). Fatigue in Child Chronic Health Conditions: A Systematic Review of Assessment Instruments. *Pediatrics* 135(4):e1015–31. DOI: <u>10.1542/peds.2014-2440</u>.
- Dantzer R, Capuron L, Irwin MR, Miller AH, Ollat H, Perry VH, et al. (2008). Identification and treatment of symptoms associated with inflammation in medically ill patients. *Psychoneuroendocrinology* **33**(1):18–29. DOI: <u>10.1016/j.psyneuen.2007.10.008</u>.
- Gagner C, Landry-Roy C, Lainè F and Beauchamp MH (2015). Sleep-Wake Disturbances and Fatigue after Pediatric Traumatic Brain Injury: A Systematic Review of the Literature. *Journal of Neurotrauma* **32:1-14**. DOI: <u>10.1089/neu.2014.3753</u>.
- Houghton KM, Tucker LB, Potts JE, McKenzie DC (2008). Fitness, fatigue, disease activity, and quality of life in pediatric lupus. Arthritis Rheum 59(4):537–45. DOI: 10.1002/art.23534.
- Molloy MA, DeWitt ES, Morell E, Reichman JR, Brown DW, Kobayashi R, et al. (2021). Parent-reported symptoms and perceived effectiveness of treatment in children hospitalized with advanced heart disease. *J Pediatr*; 238:221-7. doi:10.1016/j.jpeds.2021.06.077.
- Nap-van der Vlist MM, Burghard M, Hulzebos HJ, Doeleman WR, Heijerman HGM, van der Ent CK, et al. (2018). Prevalence of severe fatigue among adults with cystic fibrosis: A single center study. *J Cyst Fibros* **17**(**3**):368–74. DOI: <u>10.1016/j.jcf.2018.03.003</u>.



- Nap-van der Vlist MM, Dalmeijer GW, Grootenhuis MA, van der Ent CK, van den Heuvel-Eibrink MM, Wulffraat NM, et al. (2019). Fatigue in childhood chronic disease. *Arch Dis Child* **104(11)**:1090–5. DOI: <u>10.1136/archdischild-2019-316782</u>.
- Nap-van der Vlist MM, Dalmeijer GW, Grootenhuis MA, van der Ent K, van den Heuvel-Eibrink MM, Swart JF, et al. (2021). Fatigue among children with a chronic disease: a cross-sectional study. *BMJ Paediatrics Open*; **5:e000958**. doi:10.1136/bmjpo-2020-000958.
- Nijhof LN, van de Putte EM, Wulffraat NM, Nijhof SL (2016). Prevalence of Severe Fatigue Among Adolescents With Pediatric Rheumatic Diseases. *Arthritis Care Res (Hoboken)*, **68(1)**:108-114. DOI:<u>10.1002/acr.22710</u>.
- Özdel S, Özçakar ZB, Cakar N, Aydın F, Çelikel E, Elhan AH et al. (2018). Fatigue in Pediatric Patients with Familial Mediterranean Fever. *Modern Rheumatology*. **28(6):** 1016-1020. DOI: <u>10.1080/14397595.2018.1427459</u>.
- Robinson PD, Oberoi S, Tomlinson D, Duong N, Davis H, Cataudella D, et al. (2018). Management of fatigue in children and adolescents with cancer and in paediatric recipients of haemopoietic stem-cell transplants: a clinical practice guideline. *Lancet Child Adolesc Helath*; 2(5):371-378. Doi: 10.1016/S2352-4642(18)30059-2.
- Sun R, Liu M, Lu L, Zheng Y, Zhang P (2015). Congenital Heart Disease: Causes, Diagnosis, Symptoms, and Treatments. *Cell Biochem Biophys* 72(3):857–60. DOI: <u>10.1007/s12013-015-0551-6</u>.
- Tarakci E, Arman N, Barut K, Şahin S, Adroviç A, Kasapçopur Ö. (2019) Fatigue and sleep in children and adolescents with juvenile idiopathic arthritis: a cross-sectional study. *Turk J Med Sci* (49):58-65. doi:10.3906/sag-1711-167.
- Van de Vijver E, Van Gils A, Beckers L, Van Driessche Y, Moes ND, van Rheenen PF (2019). Fatigue in children and adolescents with inflammatory bowel disease. *World J Gastroenterol* **25**(**5**):632–43. doi: 10.3748/wjg.v25.i5.632.
- Van Dijk–Lokkart EM, Steur LMH, Braam KI, Veening MA, Huisman J, Takken T, et al. (2019) Longitudinal development of cancer related fatigue and physical activity in childhood cancer patients. *Pediatr Blood Cancer* **66**(**12**):**e27949**. DOI: <u>10.1002/pbc.27949</u>.
- Varni JW, Limbers CA, Bryant WP and Wilson DP (2010). The PedsQLTM Multidimensional Fatigue Scale in pediatric obesity: Feasibility, reliability and validity. *International Journal of Pediatric Obesity* **5:34-42**. Doi: <u>10.3109/17477160903111706</u>.
- Varni JW, Limbers CA, Bryant WP, Wilson DP (2009). The PedsQL Multidimensional Fatigue Scale in type 1 diabetes: feasibility, reliability, and validity. *Pediatr Diabetes* **10**(5):321–8. DOI: <u>10.1111/j.1399-5448.2008.00482.x</u>.
- Vassallo G, Mughal Z, Robinson L, Weisberg D, Roberts SA, Hupton E, et al. (2019). Perceived fatigue in children and young adults with neurofibromatosis type 1. *J Paediatr Child Health* (56):878-883. doi:10.1111/jpc.14764.

- Related to "FATIGUE AND COVID19"

- Bignardi G, Dalmaijer ES, Anwyl-Irvine AL, Smith TA, Siugzdaite R, Uh S, et al. (2020). Astle DE. Longitudinal increases in childhood depression symptoms during the COVID-19 lockdown. *Arch Dis Child*;106(8):791–797. DOI: 10.1136/archdischild-2020-320372.
- Brackel CLH, Lap CR, Buddingh EP, van Houten MA, var der Sande LJTM, Langereis EJ, et al. (2021). Pediatric long-COVID: an overlooked phenomenon? Pediatric Pulmonology; **56:2495-2502**. doi:<u>10.1016/S0140-6736(04)15794-2</u>.