

# Index of ME/CFS Published Research

An A-Z index of the most important published research

30<sup>th</sup> June 2019

The ME Association

# Forward

Welcome to the ME Association Index of Published ME/CFS Research.

This is an A-Z index of the most important published research studies and selected key documents and articles, listed by subject matter, on myalgic encephalomyelitis or chronic fatigue syndrome (ME/CFS). It is correct to 30<sup>th</sup> June 2019.

The Index will be updated at the end of each month and made available in the <u>research section</u> of the ME Association website. Each update will be accompanied by a website blog of that month's published research abstracts to help keep you informed of the latest research developments.



The Index adopts the subject headings used in the ME Association's authoritative clinical and research guide which provides a thorough and fully updated review of current clinical knowledge and research evidence.

The guide is written by Dr Charles Shepherd, Hon. Medical Adviser to the ME Association and Dr Abhijit Chaudhuri, consultant neurologist at Queen's Hospital in Romford.

The 2019 edition can be ordered from our website shop and is priced at  $\pm 9.00$  for UK residents. We are also pleased to be able to offer free copies of this booklet to health professionals.

The ME Association are very grateful to Dr Barbara de Barros, Charlotte Stephens and Russell Fleming, for producing this Index which is proving a very popular and helpful resource.

# Help us continue our work

If you would like to support our efforts, then please donate – <u>whatever you can afford</u> – and help us make the UK a better place for people with M.E. Just click the image opposite to visit our JustGiving page:

Or why not join the ME Association <u>as a member</u> and become a part of our growing community? For a monthly (or annual) payment you will also receive our exclusive <u>ME Essential</u> magazine.



**Please note:** Research published after January 2019 (the date of the latest update to our clinical and research guide) is highlighted in purple in the listing below.



# Contents

Forward	1
1. Nomenclature and definition	4
2. Epidemiology	6
3. Co-morbidity	7
4. Biomedical Research	9
4.1 Biobank UK ME/CFS	9
4.2 Biomarker Landscape Project	9
4.3 Cardiac Function	9
4.4 Exercise physiology/testing	
4.5 Gastrointestinal and microbiome	
4.6 Gene expression	
4.6.1 Epigenetics	
4.7 General reviews	
4.8 Genetic predisposition	16
4.9 Immunology	16
4.10 Infection	22
4.11 Ion channels	27
4.12 Metabolomics	27
4.13 Miscellaneous	
4.14 Mitochondria and energy production	
4.15 Muscle	
4.16 Neurology: Autonomic nervous system (ANS) dysfunction	
4.17 Neurology: Central nervous system and neuroimaging	
4.18 Neurology: Hypothalamic and neuroendocrine function	
4.19 Neurology: Neuropsychology and cognitive function	
4.20 Neurology: Neurotransmitter function	
4.21 Pain	
4.22 Phenotypes and sub-groups	
4.23 Post-Exertional Malaise (PEM)	
4.24 Post-mortem research	45
4.25 Sleep disturbance	45
4.26 Vision	



5. Psychiatry and psychology	47
6. Sociology	49
7. Recommendations, challenges and ideas for future research into ME/CFS	49
8. Clinical assessment, symptoms and diagnosis	51
8.1 General	51
8.2 Investigations	55
8.3 Physical examination	58
8.4 Symptoms	59
9. Management	59
9.1 Cognitive Behavioural Therapy (CBT)	59
9.2 Complementary and alternative therapies	62
9.3 Diet and nutrition	63
9.4 Exercise, Pacing and activity management	64
9.5 General management	67
9.6 PACE Trial, The	70
9.7 Pharmacological treatment	72
9.8 Pregnancy	81
10. Prognosis and quality of life	81
10.1 Age	81
10.2 Mortality	82
10.3 Prognosis and recovery	82
10.4 Quality of life	83
10.5 Severe ME	84
11. Vaccinations	84
12. Children and adolescents	86
13. Government Documents	92
13.1 Disability support	92
13.2 Economic cost to the UK	93
13.3 General reports, debates and statements	93
14. Healthcare	94
The ME Association: Help us continue our work	95



# 1. Nomenclature and definition

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**Carruthers BM, et al**. (2011) Myalgic Encephalomyelitis: International Consensus Criteria Journal of Internal Medicine 270 (4): 327-338 Link: <u>https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3427890/</u>

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**Twisk F** (2018) Dutch Health Council Advisory Report on Myalgic Encephalomyelitis and Chronic Fatigue Syndrome: Taking the Wrong Turn. Diagnostics 8 (2). Link: <u>https://www.ncbi.nlm.nih.gov/pubmed/29772739</u>

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# 2. Epidemiology

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**Slomko J et al.** (2019) Prevalence and characteristics of chronic fatigue syndrome/myalgic encephalomyelitis(CFS/ME) in Poland: a cross-sectional study. *BMJ Open* 9 (3). Link: <u>https://www.ncbi.nlm.nih.gov/pubmed/30850404</u>

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https://www.frontiersin.org/articles/10.3389/fped.2019.00195/full?fbclid=IwAR0ysLuWkASiaR Wuz1Gc3CHZ9-5LznRfR4tVCpz0tkQaFuMIGpjFN\_AYgyE

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**Chen CS**, *et al*. (2014) Chronic fatigue syndrome is associated with the risk of fracture: a nationwide cohort study. *Quarterly Journal of Medicine* (8): 635 – 641. Link: <u>https://www.ncbi.nlm.nih.gov/pubmed/24619129</u>

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# 4. Biomedical Research

# 4.1 Biobank UK ME/CFS

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# 4.2 Biomarker Landscape Project

**Scheibenbogen C, et al.** (2017) The European ME/CFS Biomarker Landscape project: an initiative of the European network EUROMENE. *Journal of Translational Medicine* 15: 162. Link: <u>https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5530475/</u>

# 4.3 Cardiac Function

**Boissoneault J**, *et al.* (2018) Cerebral blood flow and heart rate variability predict fatigue severity in patients with chronic fatigue syndrome. *Brain Imaging and Behaviour* 13 (3): 789-797. Link: <u>https://www.ncbi.nlm.nih.gov/pubmed/29855991</u>

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**Campen CM, et al.** (2018) Blood volume status in CFS/ME correlates with the presence or absence of orthostatic symptoms. *Frontiers in Paediatrics* [Epub ahead of print]. Link: <u>https://www.frontiersin.org/articles/10.3389/fped.2018.00352/full?fbclid=IwAR2Lf8s4fRNwjO</u> <u>1mhs2IRc0nAKjp\_IRoAmeKYePSaMRSDHY7PRjTqzUkr2M</u>

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**Peckerman A, et al.** (2003) Abnormal Impedance Cardiography Predicts Symptom Severity in Chronic Fatigue Syndrome. *The American Journal of the Medical Sciences* 326(2): 55-60. Link: https://www.ncbi.nlm.nih.gov/pubmed/12920435

**Tomas C**, *et al*. (2017) Elevated brain natriuretic peptide levels in chronic fatigue syndrome associate with cardiac dysfunction: a case control study. *Open Heart* 4 (2): e000697. Link: <u>https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5761285/</u>

**Vermeulen RCW and Vermeulen van Eck IWG**. (2014) Decreased oxygen extraction during cardiopulmonary exercise test in patients with chronic fatigue syndrome. *Journal of Translational Medicine* 12: 20. Link: <u>https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3903040/</u>



# 4.4 Exercise physiology/testing

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**Franklin JD, et al.** (2018) Peak Oxygen Uptake in Chronic Fatigue Syndrome/ Myalgic Encephalomyelitis: A Meta-Analysis. *International Journal of Sports Medicine* [Epub ahead of print]. Link: <u>https://www.ncbi.nlm.nih.gov/pubmed/30557887</u>

**Lien K** *et al.* (2019) Abnormal blood lactate accumulation during repeated exercise testing in myalgic encephalomyelitis/chronic fatigue syndrome. *Physiological Reports* 7 (11). Link: <a href="https://physoc.onlinelibrary.wiley.com/doi/10.14814/phy2.14138">https://physoc.onlinelibrary.wiley.com/doi/10.14814/phy2.14138</a>

**McManimen SL and Jason LA.** (2017) Differences in ME and CFS Symptomology in Patients with Normal and Abnormal Exercise Test Results. *International Journal of Neurology and Nerotherapy 4* (1): 066. Link: <u>https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5510614/</u>

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# 9. Management

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## 10. Prognosis and quality of life

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## 13. Government Documents

### 13.1 Disability support

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