

# Long COVID, Chronic Fatigue Syndrome, Fibromyalgia Primary Care Toolkit

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No Conflicts of Interest to Declare



.

Medically Unexplained Physical Symptoms (MUPS)

# Is it Real ?

Psychological / psychiatric Not real Nothing you can do Frustrating / unsatisfying

Free-association exercise with housestaff



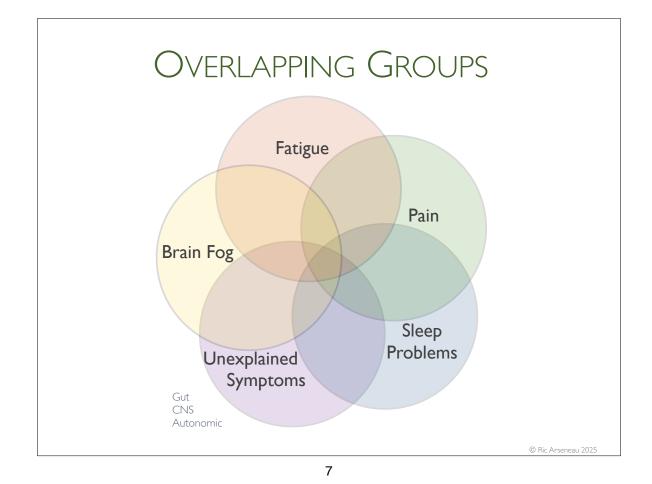
Is it Rare ?	
Health Reports	
Medically unexplained physical symptoms (MUPS) among adults in Canada: Comorbidity, health care use and employment by Jungwee Park and Heather Gilmour Release date: March 15, 2017	
Statistics Statistique Canada Canada	Canadä

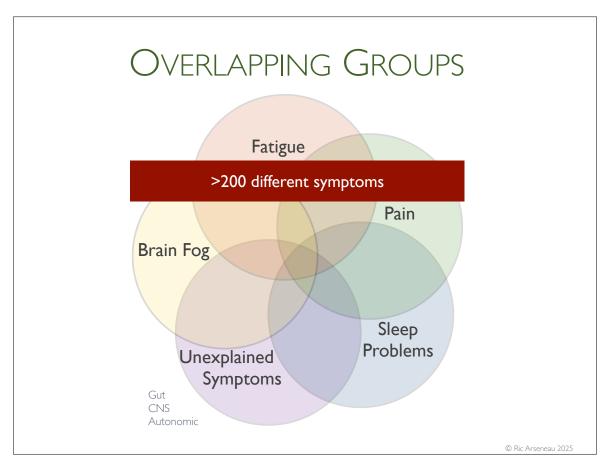
# Medically unexplained physical symptoms (MUPS) among adults in Canada: Comorbidity, health care use and employment

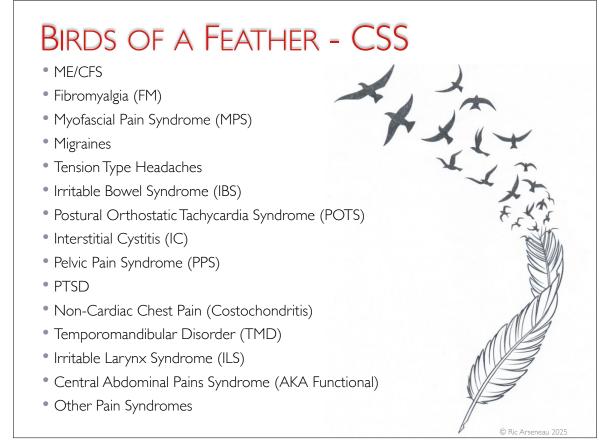
by Jungwee Park and Heather Gilmour

### Abstract

Based on data from the 2014 Canadian Community Health Survey and the 2012 Canadian Community Health Survey-Mental Health, this study provides estimates of the prevalence of medically unexplained physical symptoms (MUPS) in the household population aged 25 or older. MUPS are examined in relation to sociodemographic characteristics, physical and mental comorbidity, health care use and unmet needs, labour force participation and productivity. In 2014, 5.5% of Canadian adults—an estimated 1.3 million – reported having chronic fatigue syndrome (1.6%), fibromyalgia (2.0%) and/or multiple chemical sensitivity (2.7%). Half (51%) of people with MUPS reported other chronic physical conditions, compared with 8% of those without MUPS. Similarly, mental comorbidities were more prevalent among those with 04 UPS. Higher health care use was observed among people with MUPS, but 25% of them reported unmet health care needs, compared with 11% of those without MUPS. People with MUPS were more likely than those without MUPS to be permanently unable to work or to not have a job; fewer than half (45%) were employed. Among those who were employed, 18% had missed work because of a chronic condition, compared with 5% of workers without MUPS.







# Birds of a Feather - CSS

• ME/CFS

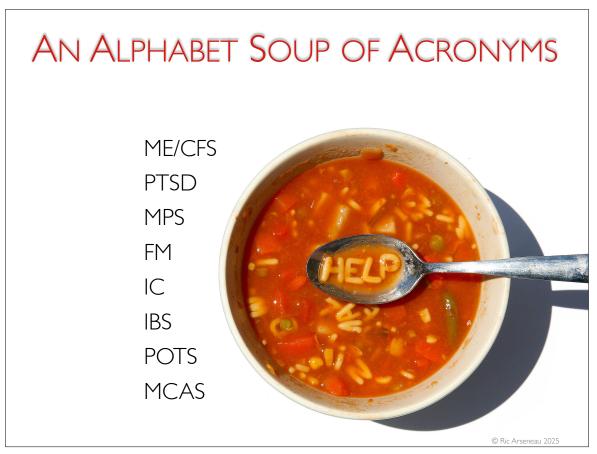
• Fibromyalgia (FM)

- Myofascial Pain Syndrome (MPS)
- Migraines
- Tension Type Headaches
- Irritable Bowel Syndrome (IBS)
- Postural Orthostatic Tachycardia Syndrome (POTS)
- Interstitial Cystitis (IC)
- Pelvic Pain Syndrome (PPS)
- PTSD
- Non-Cardiac Chest Pain (Costochondritis)
- Temporomandibular Disorder (TMD)
- Irritable Larynx Syndrome (ILS)
- Central Abdominal Pains Syndrome (AKA Functional)
- Other Pain Syndromes

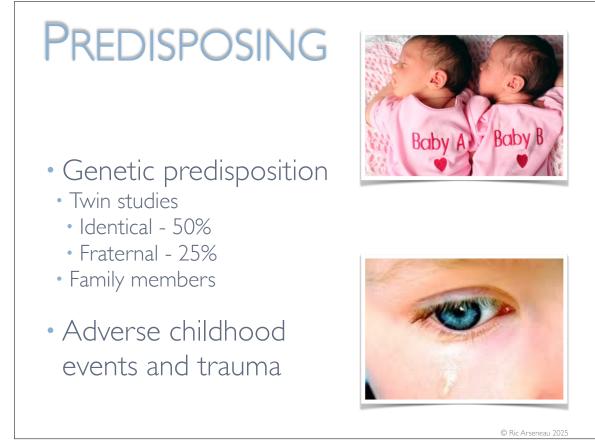
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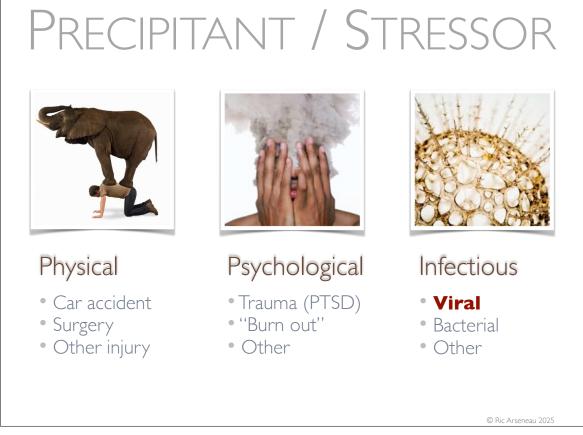
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# Research



# Post-infective and chronic fatigue syndromes precipitated by viral and non-viral pathogens: prospective cohort study

Ian Hickie, Tracey Davenport, Denis Wakefield, Ute Vollmer-Conna, Barbara Cameron, Suzanne D Vernon, William C Reeves, Andrew Lloyd, for the Dubbo Infection Outcomes Study Group

BMJ, doi:10.1136/bmj.38933.585764.AE (published 1 September 2006)

**Design** Prospective cohort study following patients from the time of acute infection with Epstein-Barr virus (glandular fever), *Coxiella burnetii* (Q fever), or Ross River virus (epidemic polyarthritis).

**Results** Prolonged illness characterised by disabling fatigue, musculoskeletal pain, neurocognitive difficulties, and mood disturbance was evident in 29 (12%) of 253 participants at six months, of whom 28 (11%) met the diagnostic criteria for chronic fatigue syndrome.

**Conclusions** A relatively uniform post-infective fatigue syndrome persists in a significant minority of patients for six months or more after clinical infection with several different viral and non-viral micro-organisms. Post-infective fatigue syndrome is a valid illness model for investigating one pathophysiological pathway to chronic fatigue syndrome.

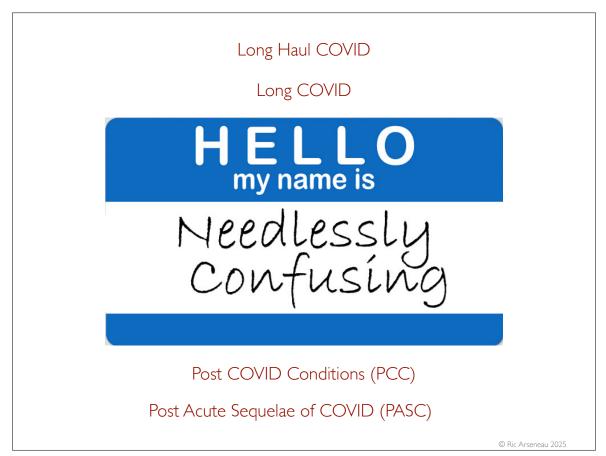
- 11% ME/CFS at 6 mo.
- Consistent across infections
- Related to *host response* rather than pathogen

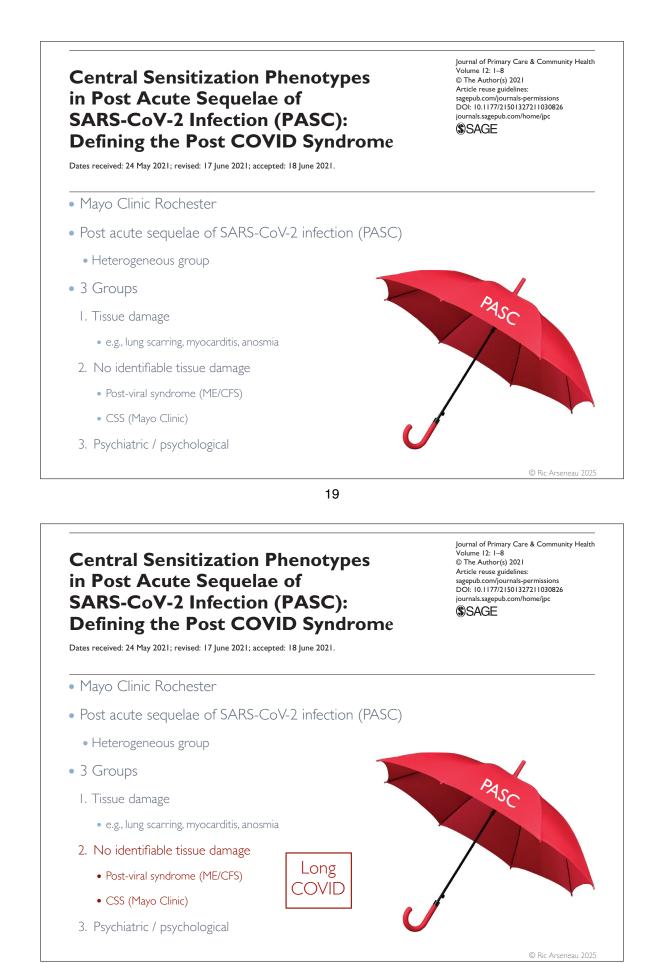
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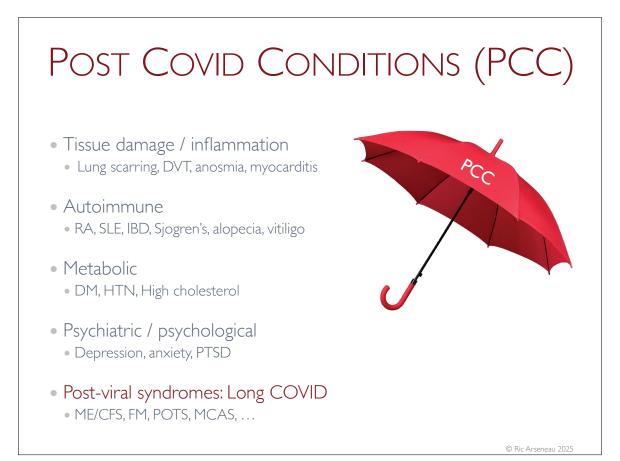






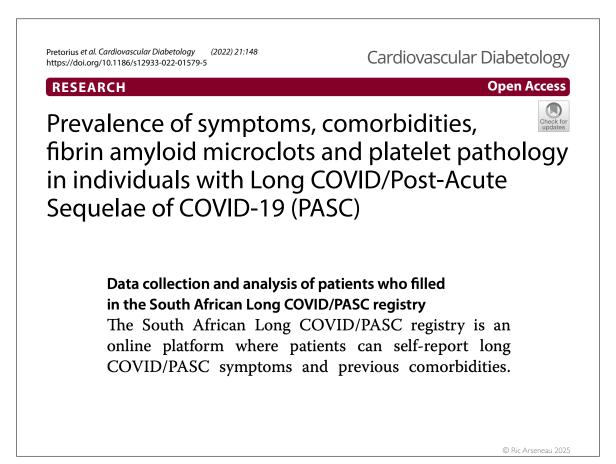


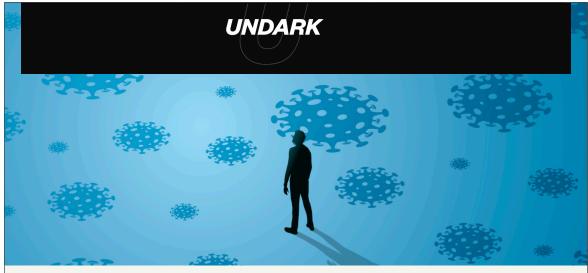




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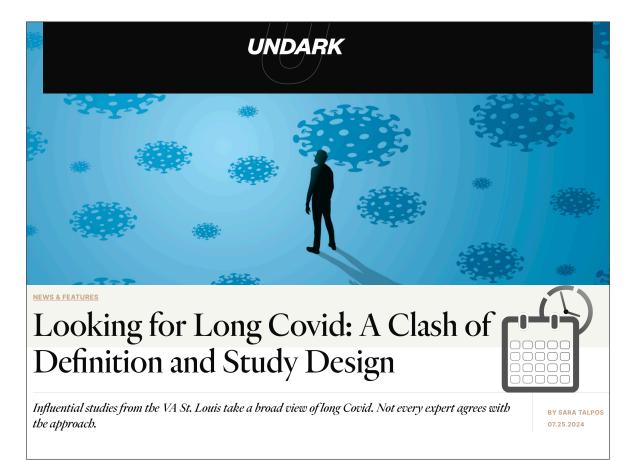


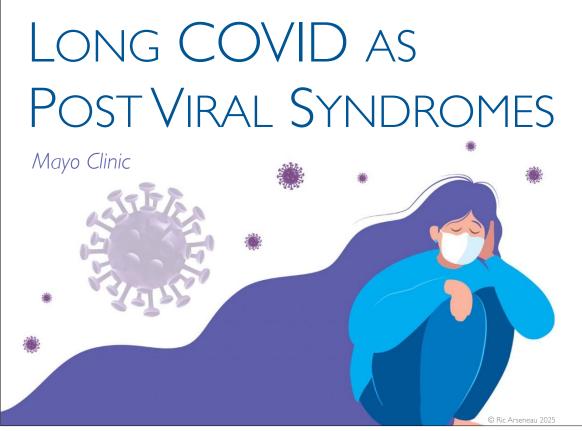
NEWS & FEATURES

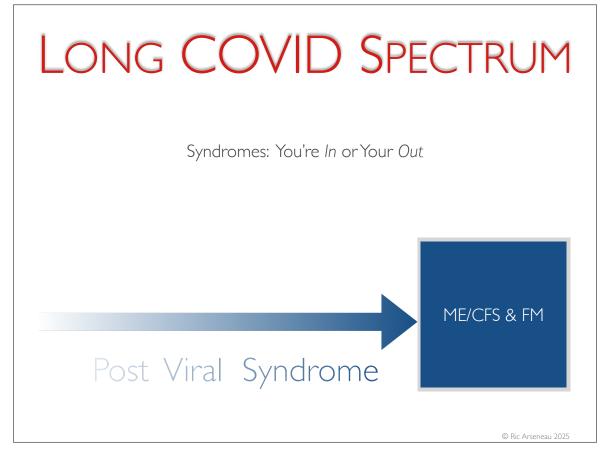
# Looking for Long Covid: A Clash of Definition and Study Design

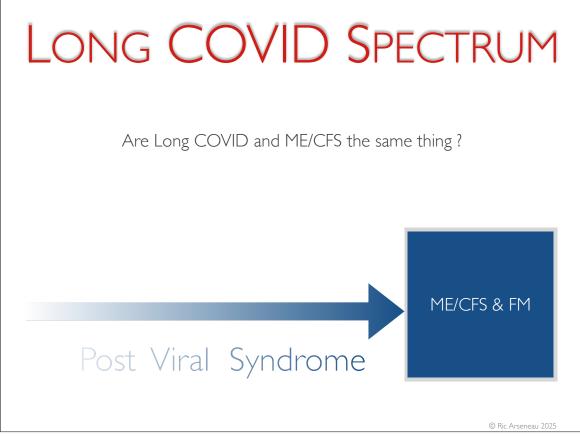
Influential studies from the VA St. Louis take a broad view of long Covid. Not every expert agrees with the approach.

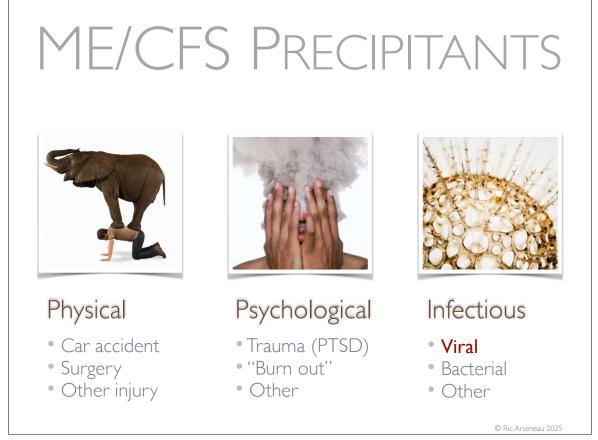
BY SARA TALPOS 07.25.2024

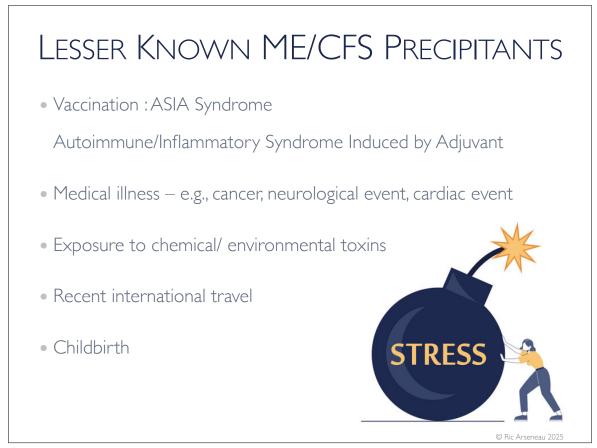


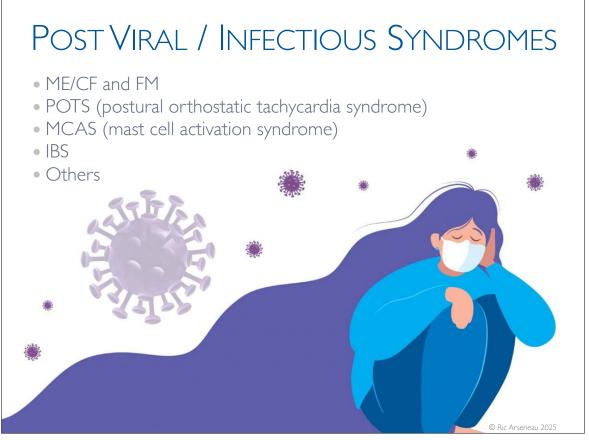


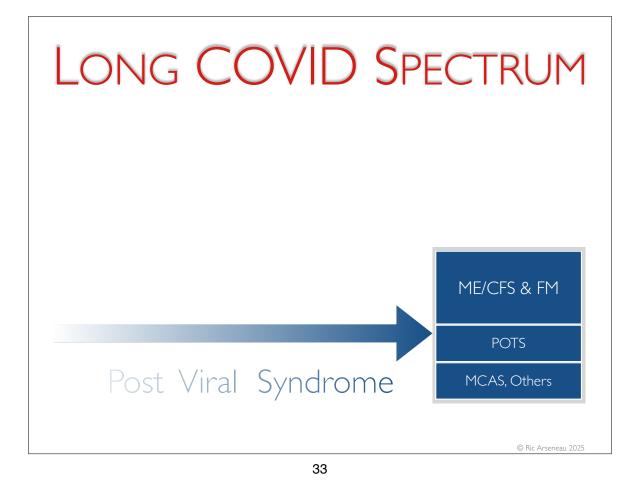


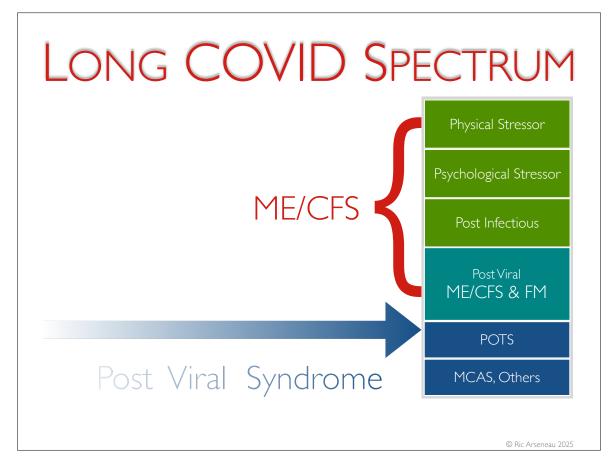


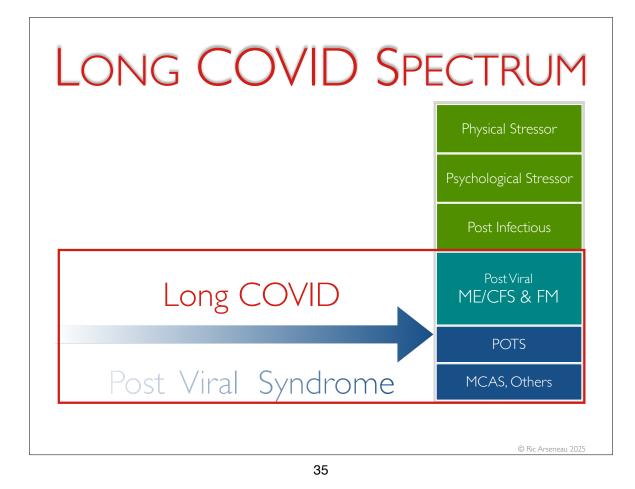


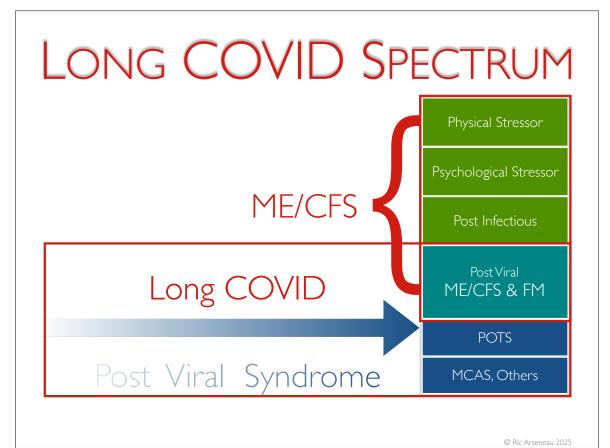


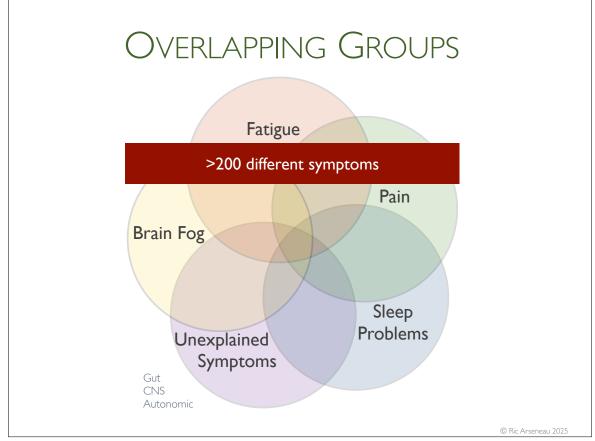


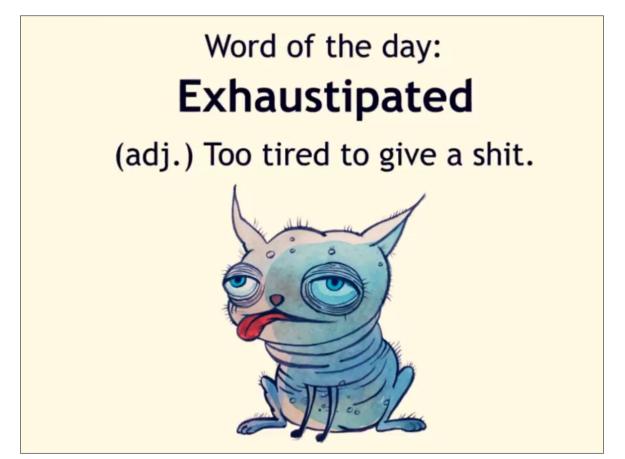


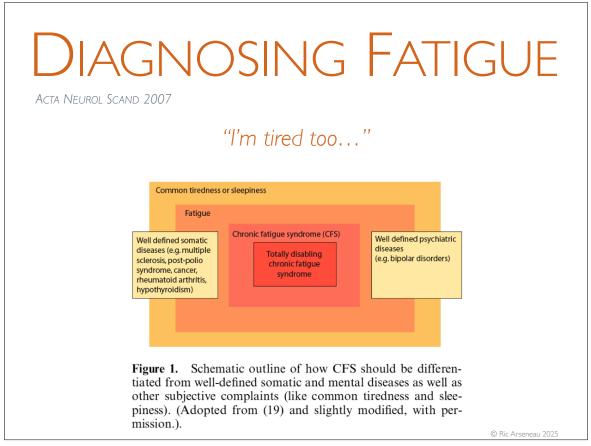






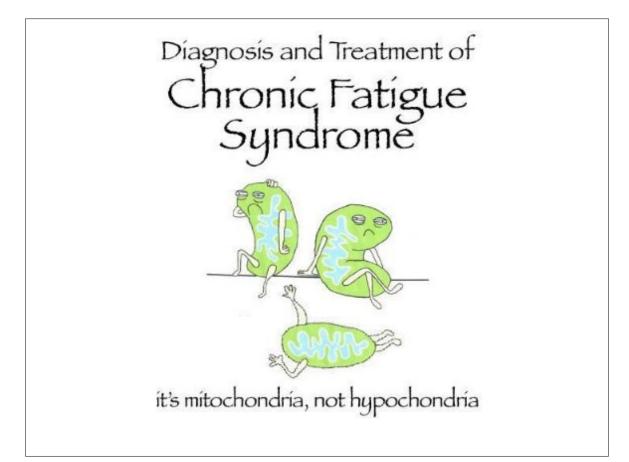




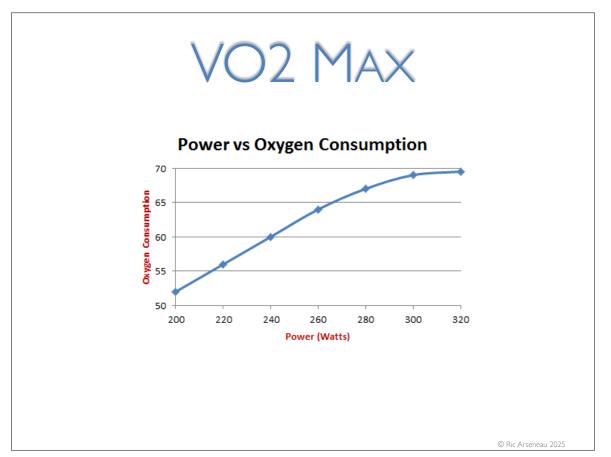






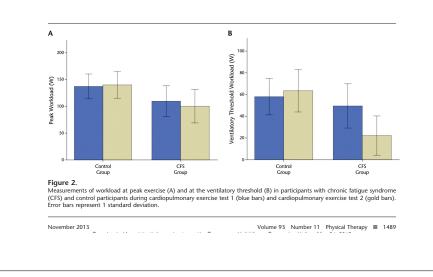


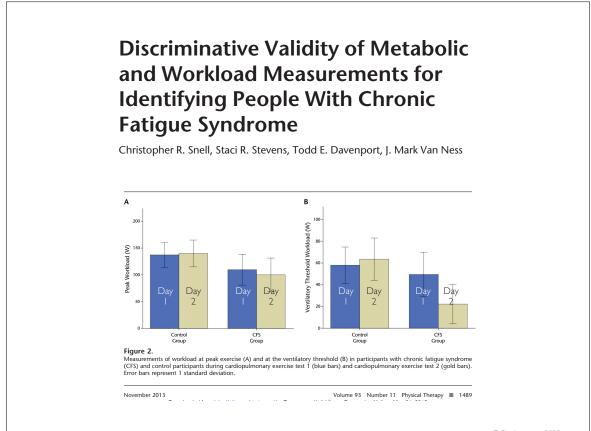




# Discriminative Validity of Metabolic and Workload Measurements for Identifying People With Chronic Fatigue Syndrome

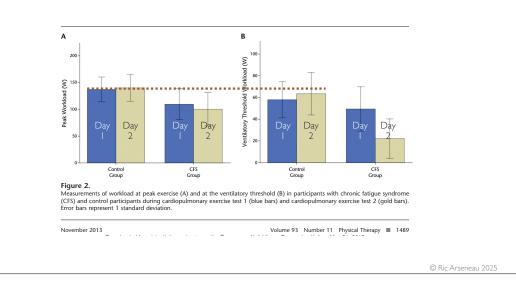
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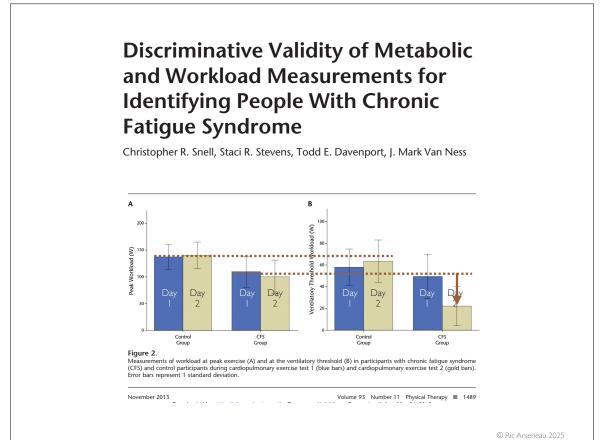


# Discriminative Validity of Metabolic and Workload Measurements for Identifying People With Chronic Fatigue Syndrome

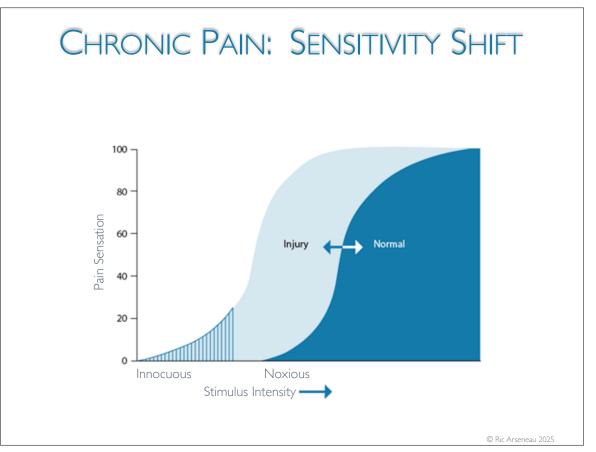
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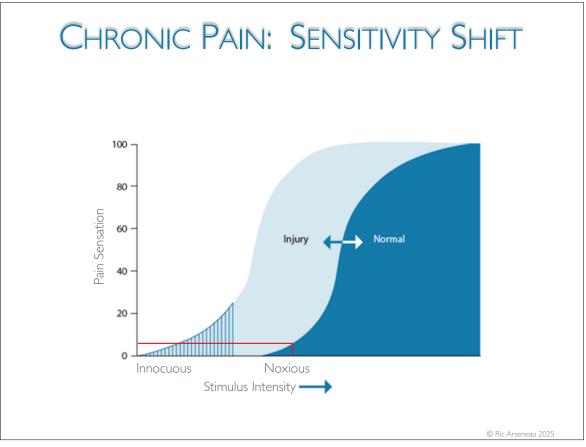


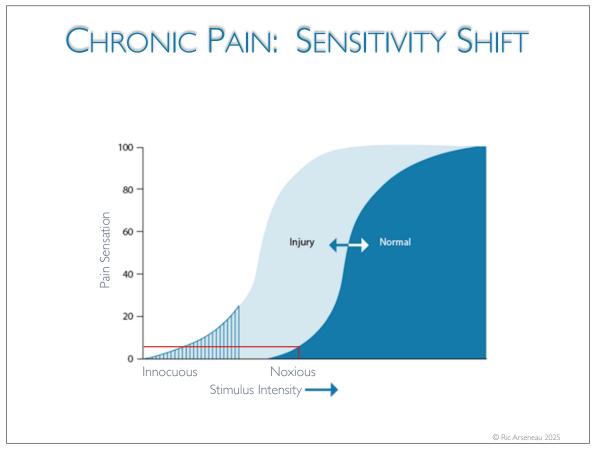
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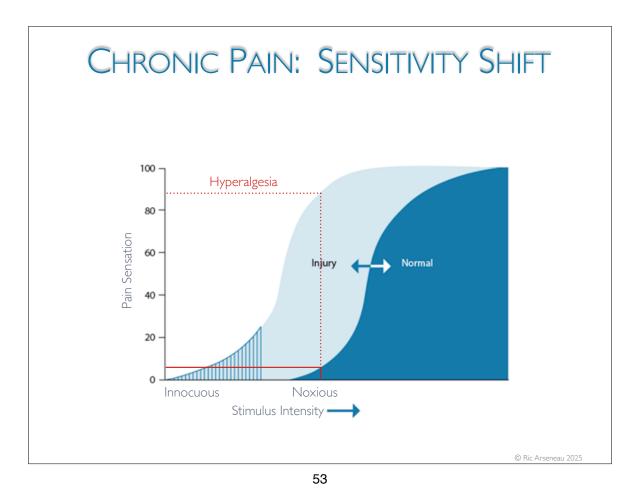


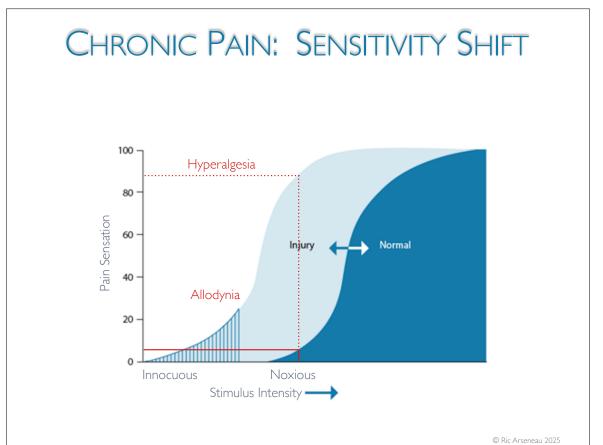


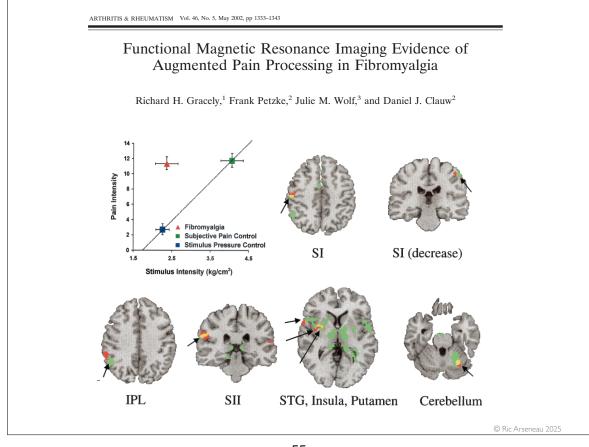


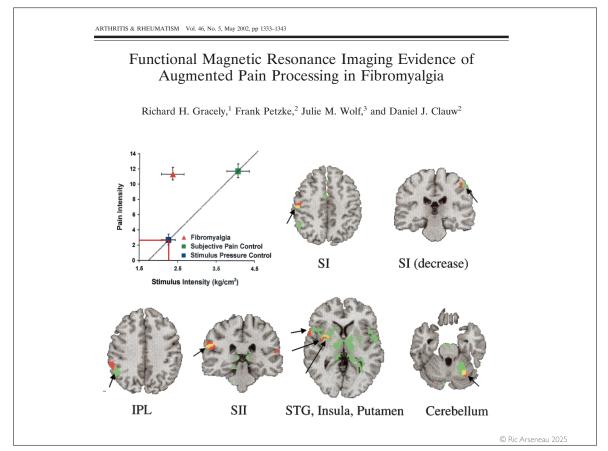


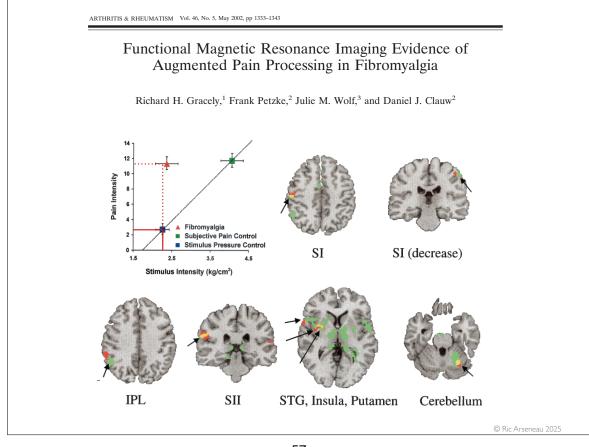


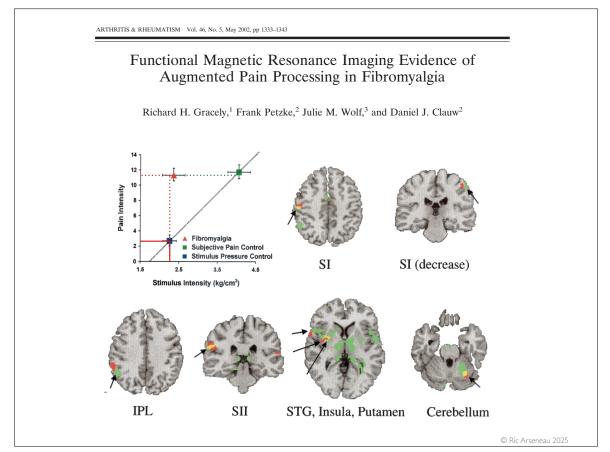


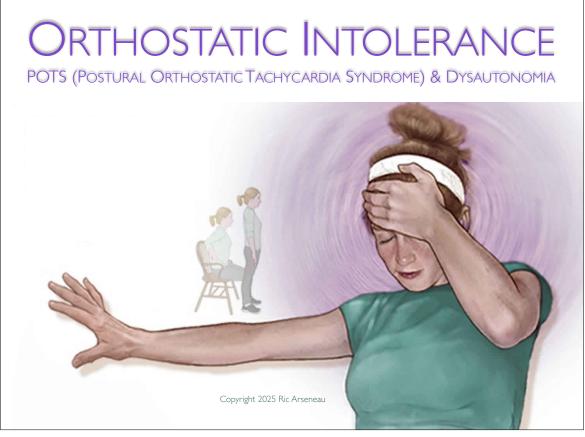


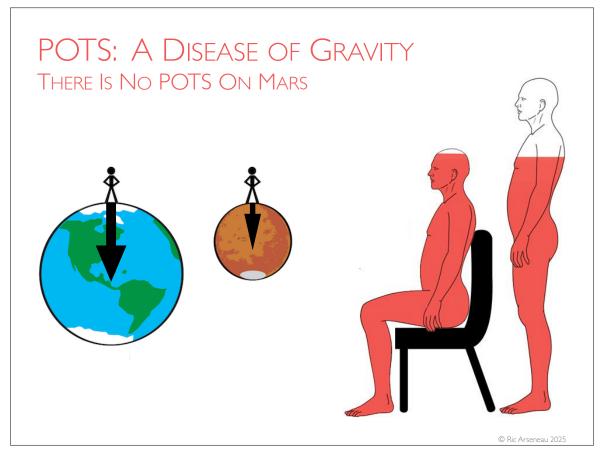








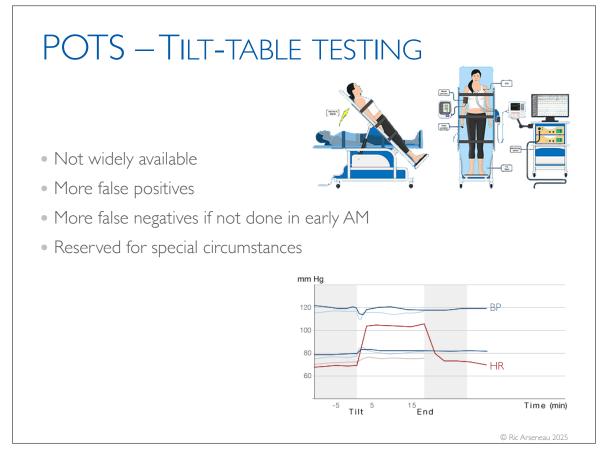




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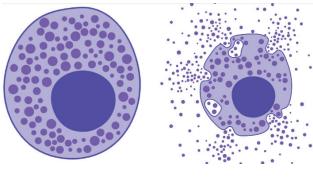
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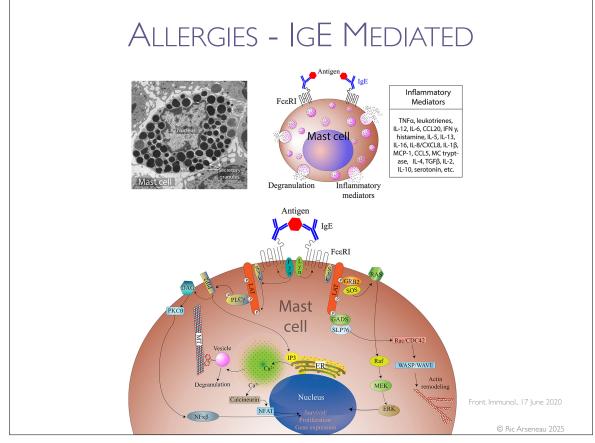
# NASA LEAN TEST • POTS Dx criteria • Ist thing in the AM • HR before getting out of bed • HR upon standing: time 0, 1, 3 5, 10 min • HR > 120 or ↑ 30 BPM NASA lean test • Download fillable test sheet and resources • Tips • Have a friend help • Heart monitor helpful • Monitor BP (rule out NMH – low BP) • You can stop when you meet criteria 63 MCAS MAST CELL ACTIVATION SYNDROME

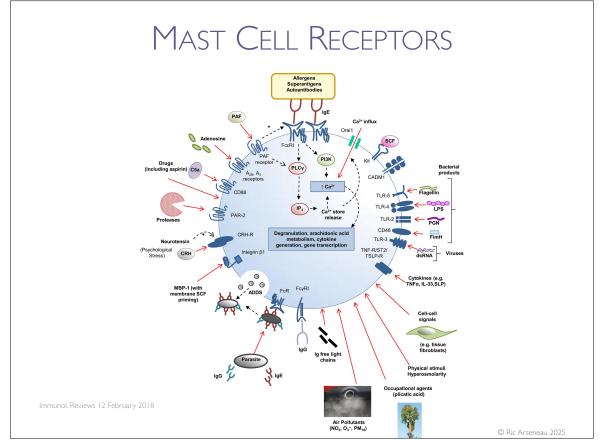
In Patients With ME/CFS, FM, and Long COVID

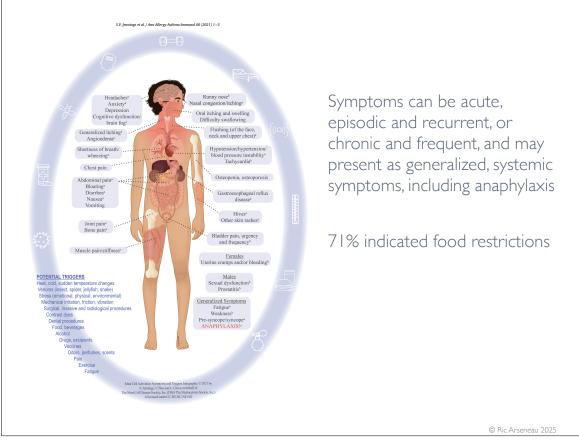


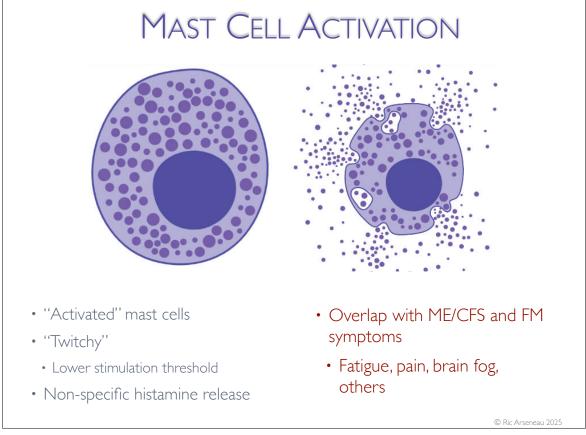
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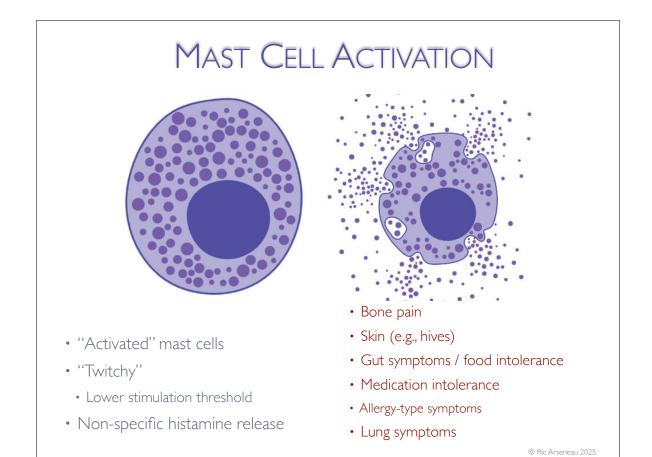
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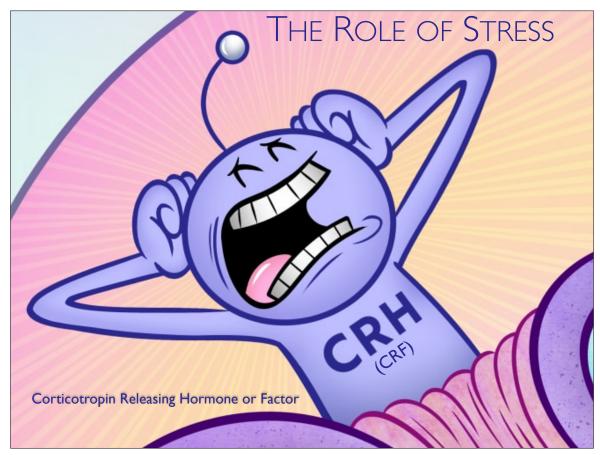


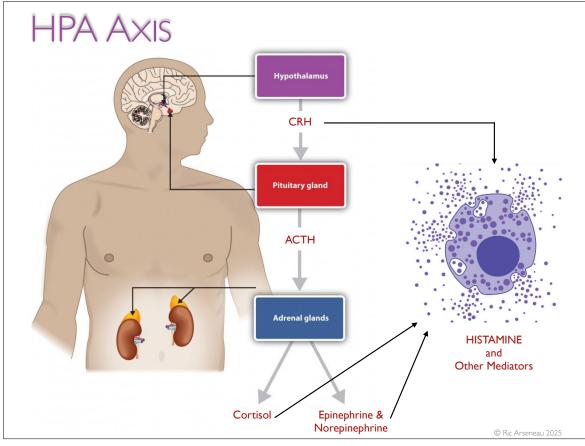


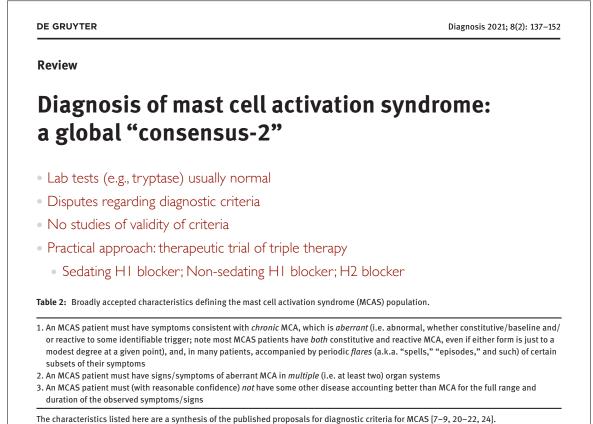








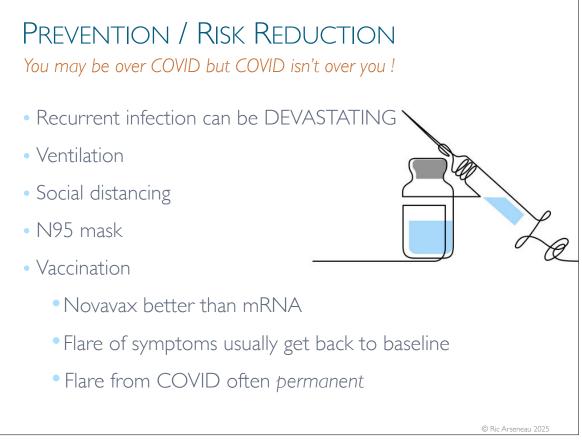


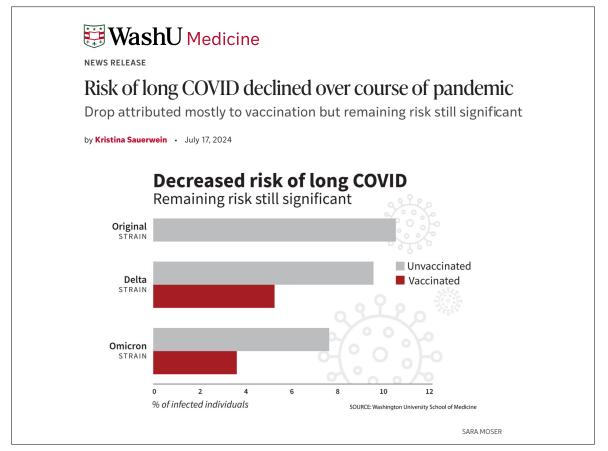


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# EHLERS-DANLOS SYNDROME HYPERMOBILE TYPE Hypermobile Spectrum Disorder Beighton Score **Brighton Criteria** 5/9 points = Hypermobility ajor Criteria tighton score of ≥4 Figure 4) rthralgia for longer than 3 mor of 1, 2, or 3 (FigureVs>4) month duration) in one to th a (>3-month duration) i ain (>3-month duration 1 point for each thumb 1pt for each finger 1pt for each elbow is Itall slim span or 1.03 ratio), upper c0.89 ratio), arach ne of the fo 1 pt for straight legs + arms 1 pt for each knee **BEIGHTON SCORE + BRIGHTON CRITERIA** = EHLERS - DANLOS SYNDROME Genetic testing not available © Ric Arseneau 2025



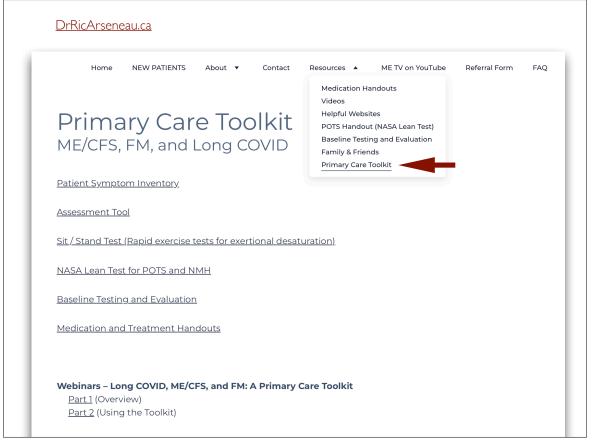


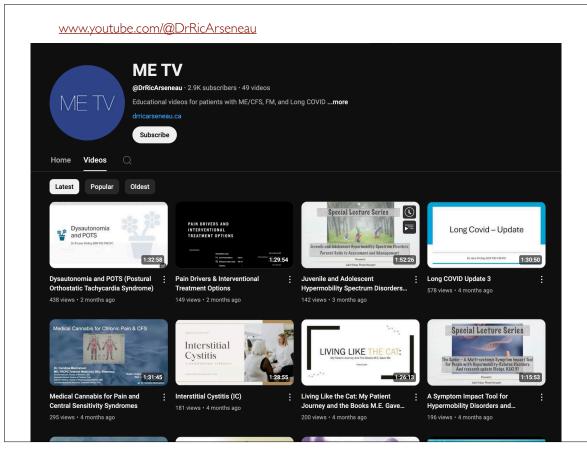


# ME/CFS, FM, and Long COVID

# Primary Care Toolkit









- Educating the public & medical professionals to identify, manage & relieve long COVID symptoms.
- Collaborating with top scientists, doctors & long-haulers to share evidence-based insights & innovative strategies.
- Bridging research & practice to improve health outcomes, reduce transmission & enhance quality of life.



# Empowering Health through Knowledge

