

Predisposing factors: genetic polymorphisms in cytokine, HLA and DISC1 genes, lowered $\omega 3/\omega 6$ ratio, IgG subclass deficiencies, lower vitamin D

Multiple, less well defined triggers

- Infections (chronic, recurrent, etc)
- Bacterial translocation
- IBD, CVD
- Ankylosing spondylitis
- Biliary cirrhosis
- SLE, RA, PsA, Sjogren
- Cancer (breast CA)
- Stroke, PD, MS
- Hemodialysis
- IFN α -immunotherapy
- Postpartum period
- Psychological stressors

Acute triggers
Acute infection
Tissue injury

Mitochondrial disorders
Autoimmunity
HPA axis hypofunction
Damage by O&NS
Lowered antioxidants
Th1-Th2
Immune dysfunction
O&NS

PICs

PICs

Acute or insidious onset
Waxing and waning
Chronic
Depressive episodes
PROGRESSIVE
COURSE
ME/cfs

Symptomatic overlap

Sickness behaviour
Acute onset
ACUTE ADAPTIVE
RESPONSE

