



MAE-WAN HO – 1941-2016
POLYMATH
IN MEMORIAM

Scientist-Mathematician–Biologist-Physicist
Philosopher– Artist –Poet–Theologian etc

TRAVELSL WITH MAE-WAN:
CORRUPTION AND ANTI-SCIENCE IN THE PUBLIC ARENA

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“I believe in getting into hot water; it keeps you clean.”
GK Chesterton

Inside Science

Living with the *Fluid Genome*

Mae-Wan Ho



Chapter 4, p. 24

The suppression of scientific dissent is one of the serious and visible signs of the Academic-Industrial-Corporate - Military Complex at work.

It goes against the very grain and essence of what science.. ought to be...open.. disinterested enquiry.....big industry and big governmentbring out [the] worst



We fund to support POLICY-Lord Sainsbury

SMC – SCIENCE MEDIA CENTRE -etc

We now have POLICY—BASED EVIDENCE
Rather than EVIDENCE-BASED POLICY

GLYPHOSATE - WHAT'S THE PROBLEM?

All truth passes through three stages.
First, it is ridiculed. Second, it is violently opposed.
Third, it is accepted as being self-evident.

Arthur Schopenhauer

**GOOD SCIENCE IS BEING
IGNORED/BELITTLED OR SILENCED.
ISP - INDEPENDENT SCIENCE PANEL**

**POOR SCIENCE USED TO GIVE FALSE ASSURANCES ABOUT SAFETY.
GOVERNMENT AND CORPORATE ORGANISATIONS COLLUDE WITH
REGULATORY AGENCIES – FAILING & DECEIVING THE PUBLIC
SERIOUS IMPLCATIONS FOR HUMAN HEALTH**

**GLYPHOSATE -INITIALLY USED WITH GM CROPS NOW IN
GENERAL USE AS A CHEAP 'DESICCANT' FOR MANY OTHER
CROPS. GREATLY INCREASED USAGE**

Roundup Safety Claims Disputed*

“It is commonly believed that Roundup is among the safest pesticides. ... Despite its reputation, *Roundup was by far the most toxic among the herbicides and insecticides tested.* This inconsistency between scientific fact and industrial claim may be attributed to huge economic interests, which have been found to falsify health risk assessments and *delay health policy decisions.*”

*R. Mesnage et al., Biomed Research International, Volume 2014 (2014), Article ID 179691

Not just Glyphosate. Enhancing Effect

of Adjuvants*

(Inerts/undeclared/commercially protected)



**SURFACTANT
/ADJUVANT etc. 10
ESSENTIAL ENABLE
TRANSPORT THRO'
LIPOPHILIC PLANT
LEAVES etc**

“Adjuvants in pesticides are generally declared as inerts, and for this reason they are not tested in long-term regulatory experiments. It is thus very surprising that they amplify *up to 1000 times* the toxicity of their APs [Active Principles] in 100% of the cases where they are indicated to be present by the manufacturer.”

METABOLITES – AMPA etc.

*R. Mesnage et al. BioMed Research International 2014; Article ID:179691.

GLYPHOSATE IS UBIQUITOUS - ENVIRONMENT



HUMAN FOOD CHAIN

FREQUENT SUB-CLINICAL DAILY DOSES

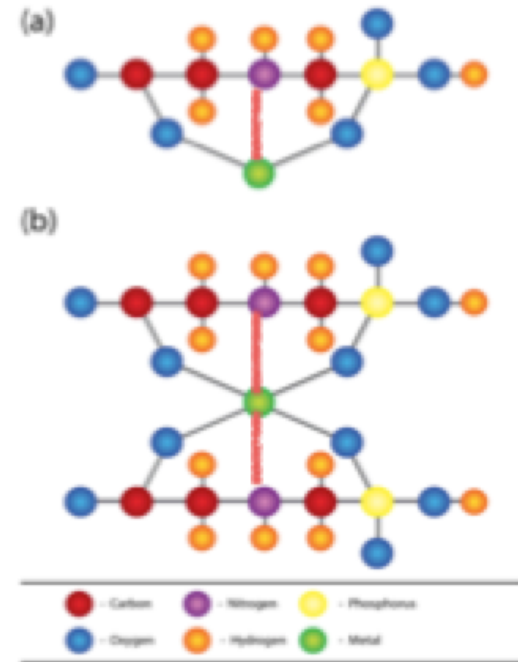
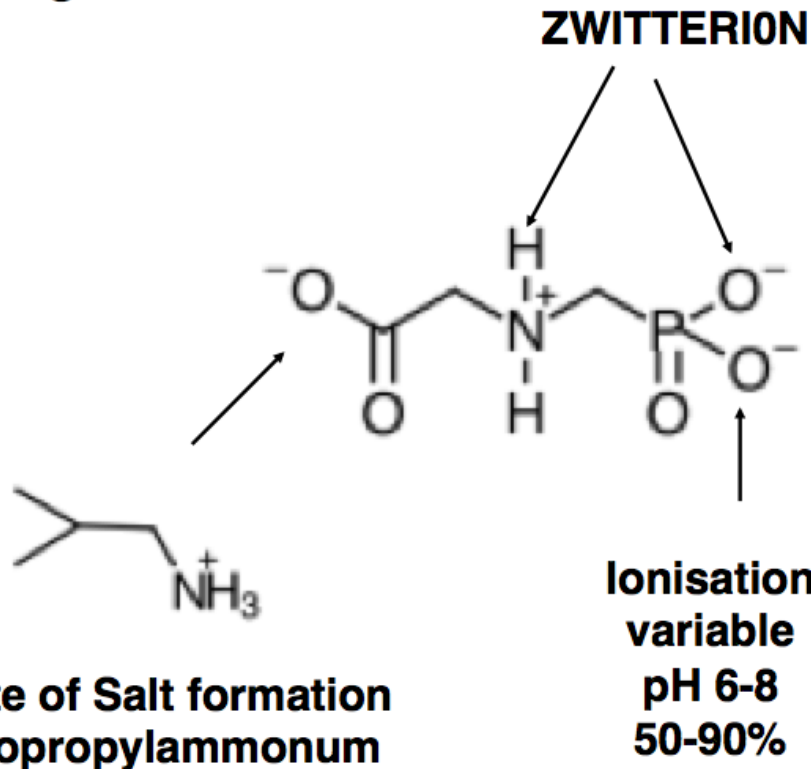


USA 10X UK

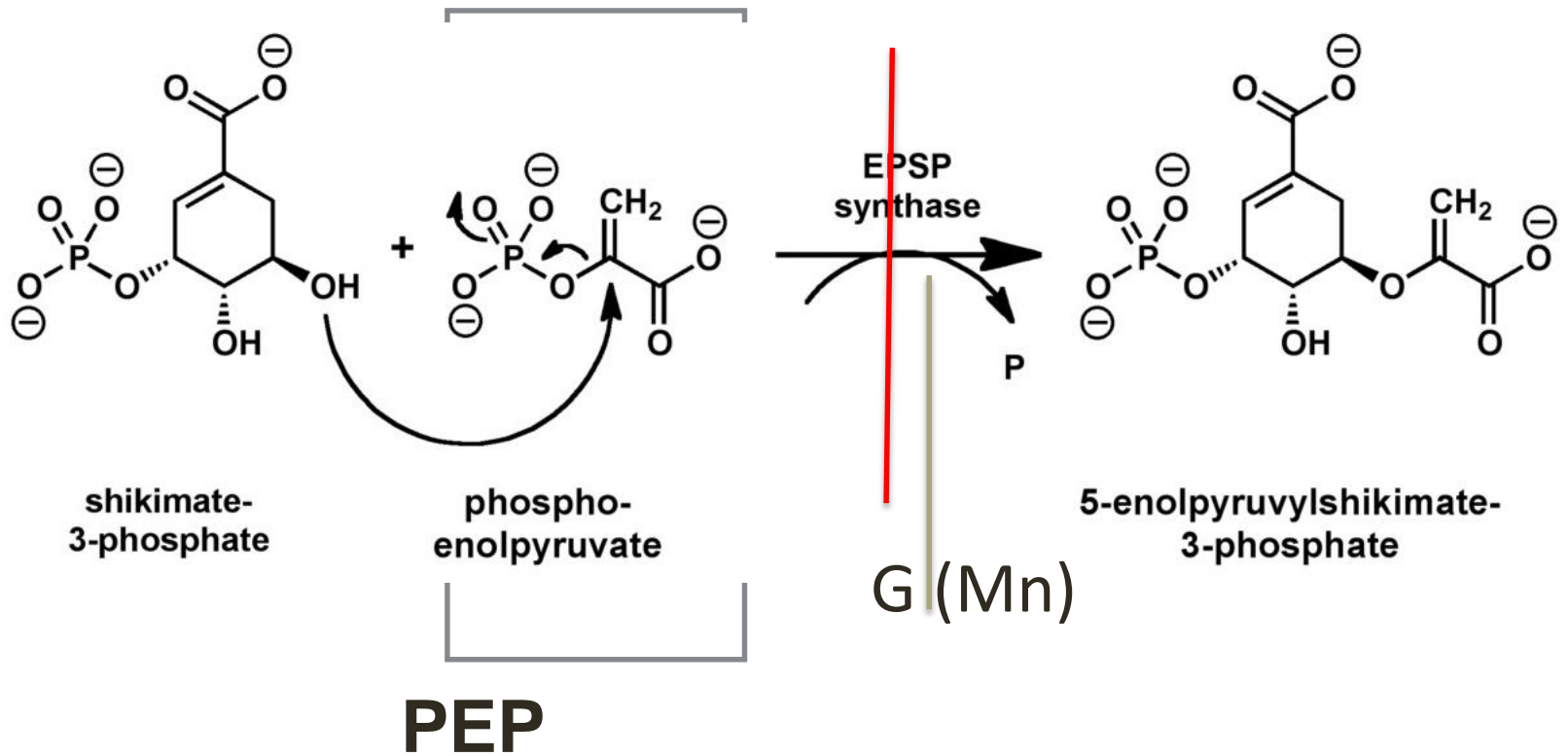
GLYPHOSATE -DECEPTIVELY SIMPLE - MULTIPLE PHYSICAL PROPERTIES

Highly charged > 1000s x more soluble in water than lipid. LogP ~ 3.5-5.0

pKa1 1.6: 1st phosphonic acid
pKa 2 2.3 carboxylic acid
pKa 3 6.0: 2nd phosphonic acid
pKa 4 11.0: ammonium ion



[P- 1964] Chelates ESSENTIAL (Ca, Mn, Fe, Zn, Mo, Co, Cu, Se) & TOXIC (Al, As, Cd etc) METALS. Changes absorption, accumulation & distribution in ENVIRONMENT & BODY



Commonly claimed to be ONLY present in higher plants
 -production of essential amino acids, alkaloids, etc

WRONG- DECEPTION? - important in microbiota in soils supports plant growth mineral uptake mammals supports gut organisms EAA, Vitamins, Proteins, etc

PEP (GLUCONEOGENESIS/Mn (25) –CRUCIAL IN SEVERAL KEY MAMMALIAN ENZYME SYSTEMS –Seneff & Samsel

ROUNDUP IS MORE TOXIC THAN GLYPHOSATE, >1000

**MOST 'OFFICIAL' TOXICOLOGY USES ONLY GLYPHOSATE
RECIPE FOR MISINFORMATION/DECEPTION- UNSCIENTIFIC!**

**ADIs, NOELs, NOAELs etc MUST BE
RE-ASSESSED**

VERY IMPORTANT QUESTIONS – Myers et al Envir Health 2016

DOSE - SIZE & FREQUENCY –BIOACCUMULATION - ROS

ENDOCRINE DYSRUPTION- 10^{-15/-18}

DOSE RESPONSE-LINEAR, NON-LINEAR

LARGE SINGLE DOSE vs MULTIPLE SMALL DOSES

ROUTE OF ACCESS- SKIN, LUNGs, GUT, EYES etc

INTERACTIONS SYNERGISM, METABOLITES AMPA espec.

GLYPHOSATE: A MULTI-FUNCTIONAL BIOLOGICAL MOLECULE

Kills bacteria

SOIL bacteria - compromises soil quality and plant growth.

GUT bacteria - compromises digestion LEAKY GUT, IBD, CROHN'S, coeliacdisease, gluten intolerance.

AUTISM, OBESITY; GUT - BRAIN AXIS

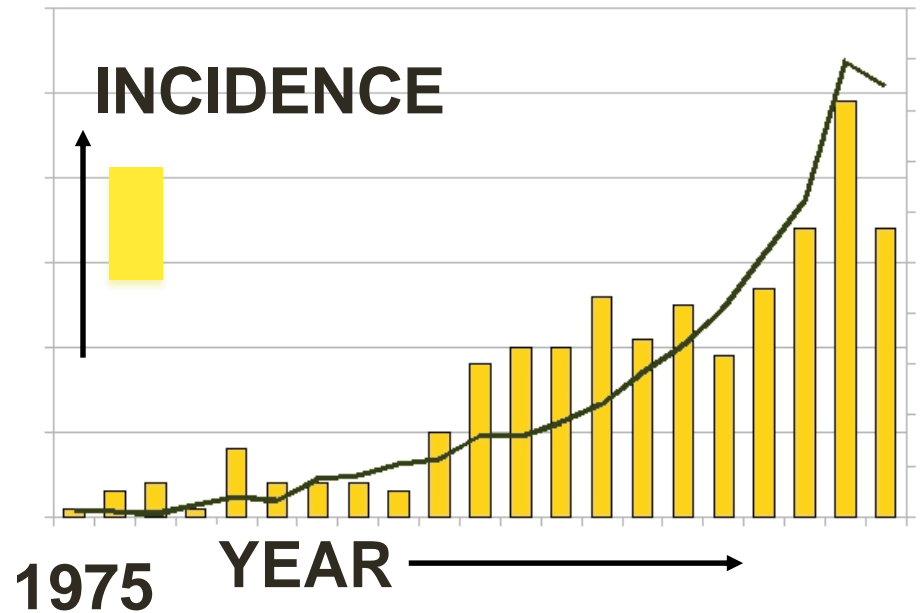
P 2010:Novel derivatives inhibitors of growth of Protozoa

OTHERS REPORT GLYPHOSATE CAUSES CANCER, GENOTOXIC, MUTAGENIC, EPIGENETICS.

ENDOCRINE DISRUPTION

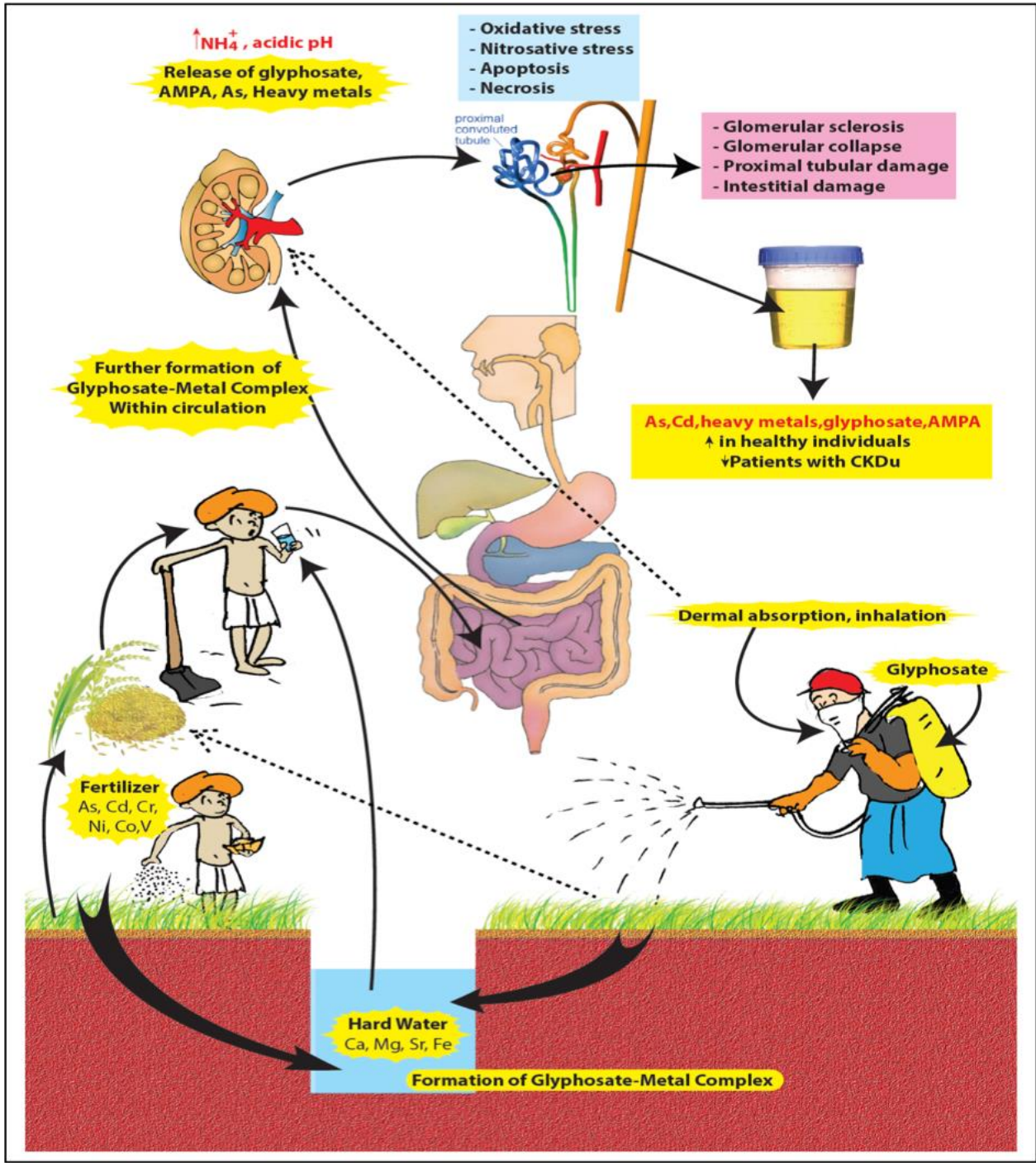
NUMEROUS CORRELATIONS FOR HUMAN DISEASES AND GLYPHOSATE USAGE: Seneff, Samsel, Swanson

SENEFF et al list the MANY correlations between GM crops and/or Glyphosate usage with a range of major human diseases



APPLICATION GLYPHOSATE /GM CROPS

- Thyroid Cancers**
- Obesity**
- Autism ASDs**
- Senile Dementias**
- Digestion**
- Metabolism Inhibition of P450s**
- Parkinsonism***
- Pernicious Anaemia***
- Mitochondrial disease/disorder.***



Jayasumana et al
 Int J Environ Res Public Health
 2014;11,2125-2147
 Glyphosate, Hard Water and
 Nephrotoxic Metals
 CKD an example of how
 complex biological
 situations can be.

FUNCTIONAL SOMATIC SYNDROMES: ONE OR MANY?

Wessely et al Lancet 1999;354:936-9

Gastroenterology – IBS, Non-ulcer dyspepsia

Gynaecology – PMS, chronic pelvic pain

Rheumatology – Fibromyalgia

Cardiology – Atypical or non-cardiac pain

Respiratory medicine – hyperventilation

Infectious Disease – PVFS- ME-CFS

Neurology – Tension headache

Dentistry – TMJ dysfunction, Atypical facial pain

ENT – Globus syndrome

ALLERGY - MCS

**CANNOT EXPLAIN
BY CONVENTIONAL
PARADIGMS**

**CONVENTIONAL
THERAPY INEFFECTIVE**

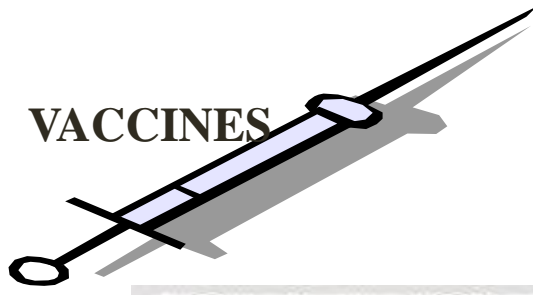
**MORE COMMON IN
WOMEN THAN MEN**

**SHARE NON-SPECIFIC
SYMPTOMS**

**SYNDROMES RESPOND TO SAME THERAPIES, CBT/GET, OFTEN WITH
ANTIDEPRESSANTS**

VACCINES

BWs- AX, PI, Myco, Afla



IoM 2000 >40 MAJOR EXPOSURES

**THE MOST TOXIC WAR IN WESTERN
MILITARY HISTORY Jan. 16 - Feb.
28 1991**

SELECT COMMITTEE SUMMARY- Dec 15 1999

**OPs
Carb
OCs
Pyreth**

**CWs
N M
E U
R S
V T
E A
A R
D
g**

**NAPS
PB**

Gulf War Syndrome



**B
A
T
S**



**USA-UK CONGRESS-PARLIAMENTARY HEARINGS 2000,2002, 2004
[2008,2012,2014](RACGWI, LLOYD REPORTS)**

SYNDROMES OF UNCERTAIN ORIGINS
Merck Manual 1999, 17th Edition

NEURASTHENIA

GULF WAR SYNDROME
GWS/I
MILITARY ME

MULTIPLE CHEMICAL SENSITIVITY

OPs

HYSTERIA –PUPS/MUS

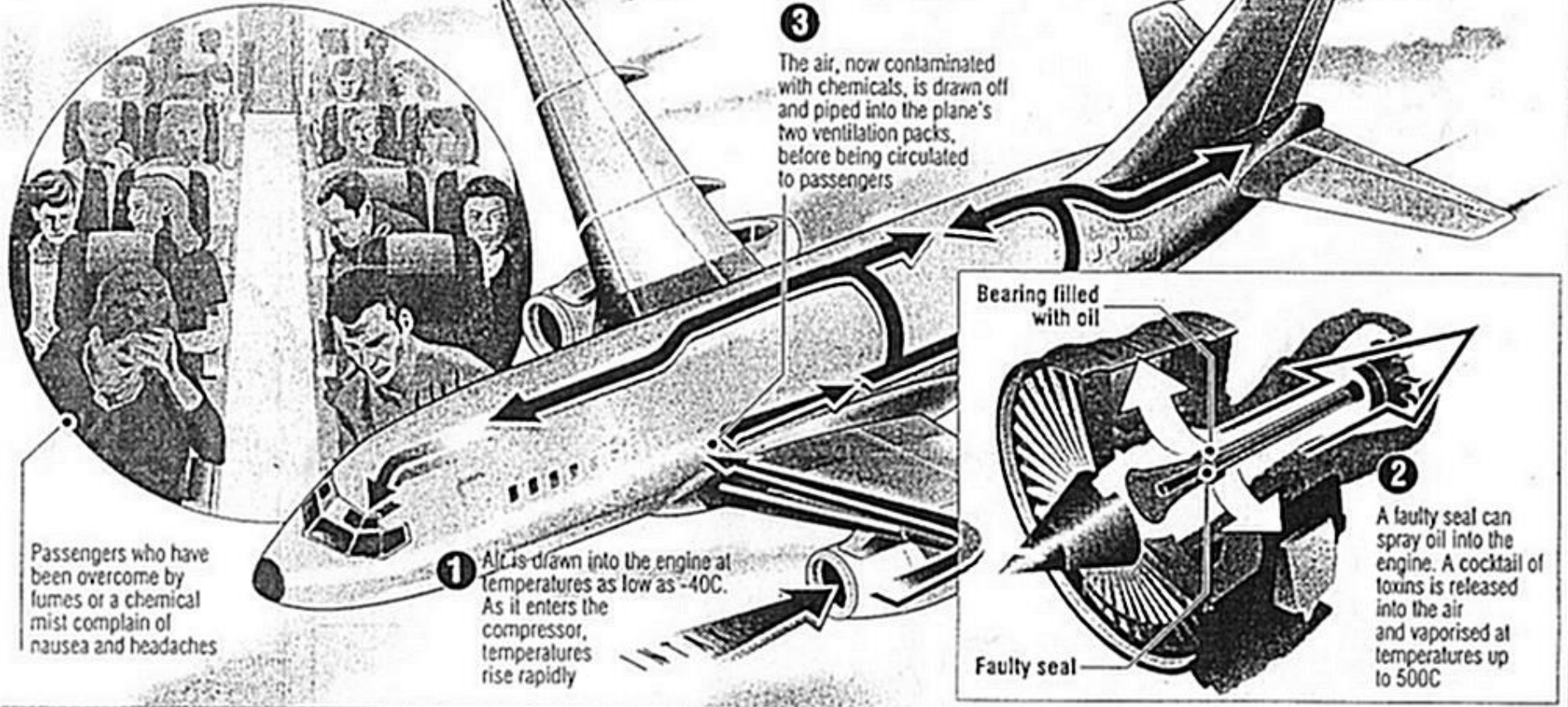
ME-CFS
FMS

NEUROLOGICAL- ANS, PNS, CNS
CARDIOVASCULAR
IMMUNE SYSTEM
GASTROINTESTINAL
RESPIRATORY
ENDOCRINE SYSTEM

“Considering the extent of the patients’ complaints and disability, the results of ROUTINE laboratory tests were strikingly NORMAL” S Straus

'Toxic mist' on 300 flights a year

How an oil leak can contaminate cabin air



Engine oil – OPs (TCPS- Tricresyl Phosphates + Other Toxins)
AeroToxic Syndrome (AS) : Abou-Donia et al, Furlong et al

Glyphosate
+ Camelford Al

FARMERS

Shepherds(Dips)-LAW
Live stock (Pigs/Cattle)

Grains Stores
FISH FARMS

Kathleen Sullivan
Multi System Atrophy

OPs

DEPLOYED GULF WAR VETERANS, 25-30% Chronically Sick!
53,000 UK & 697,00 USA

AEROTOXIC
SYNDROME

Jet Engine Oils (TCPs)

Pilots

Richard Westlake

Cabin Crews

1. OP PESTICIDES (Diazinon +, Malathion. Chlorpyrifos etc) **Govt Lies**

2. Pyridostigmine Bromide, NAPS,

3. Nerve agents, SARIN

Cholinergic Triple Whammy – Ian Hill Global Illness Syndrome

[VACCINES – Non - Deployed],

All in the Mind!

BioPsychoSocial (BPS Theory
Somatisation

Hysteria,
Neurasthenia,
Hyperventilation,
MUS, PUS, MUPS, PUPS etc

“Ignore how you feel,
What your body tells you,
What you think.”

[Diabetes, Parkinson's , MS]

Biomedical Approach

A thorough medical history and
appropriate tests

Use knowledge of
Biological/Chemical Insult, OPs,
AI toxicity

Investigate potential areas of
damage, sickness, death and
appropriate anatomical areas, eg
brain, gut, liver, kidney,
mitochondria, etc.

Identify possible treatments-
CoQ supplements, Hormone
replacement, GH, GnH



VACCINES

BIOLOGICALS

**AX + PERTUSSIS PLAGUE
BOTULINUM- AntiTox**

DENIED

SMALLPOX

F.TULARAEMIA 5-6

OTHERS

JAMA 1997;278:359FF

**EXPERIMENTAL, NO INFORMED
CONSENT, ADJUVANTS, P -ILLEGAL, Sq**

**MYCOPLASMA &
HERVS**

HEALTH & HYGIENE

**TETANUS TYPHOID (L-
Oral) POLIO (L) MENINGITIS**

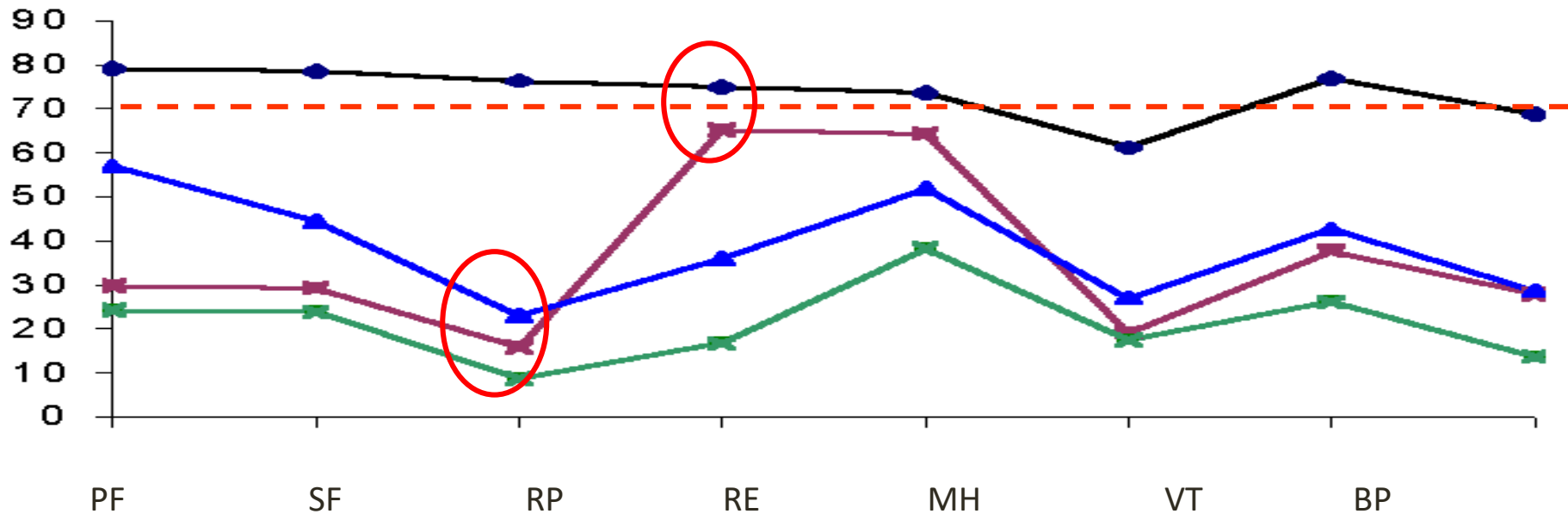
CHOLERA

**YELLOW FEVER (L)
HEPATITIS A -Ig (UK)
HEPATITIS B (MMR)**

**[USA - 17] INFLUENZA
JAPANESE B ENCEPH
MEASLE (L) RABIES
RUBELLA VARICELLA
BOTULINUM TOXOID**

SF-36 SCORES MEAN OF GENERAL POPULATIONS

ME/CFS, OP & GULF WAR Spence et al AEP 2003

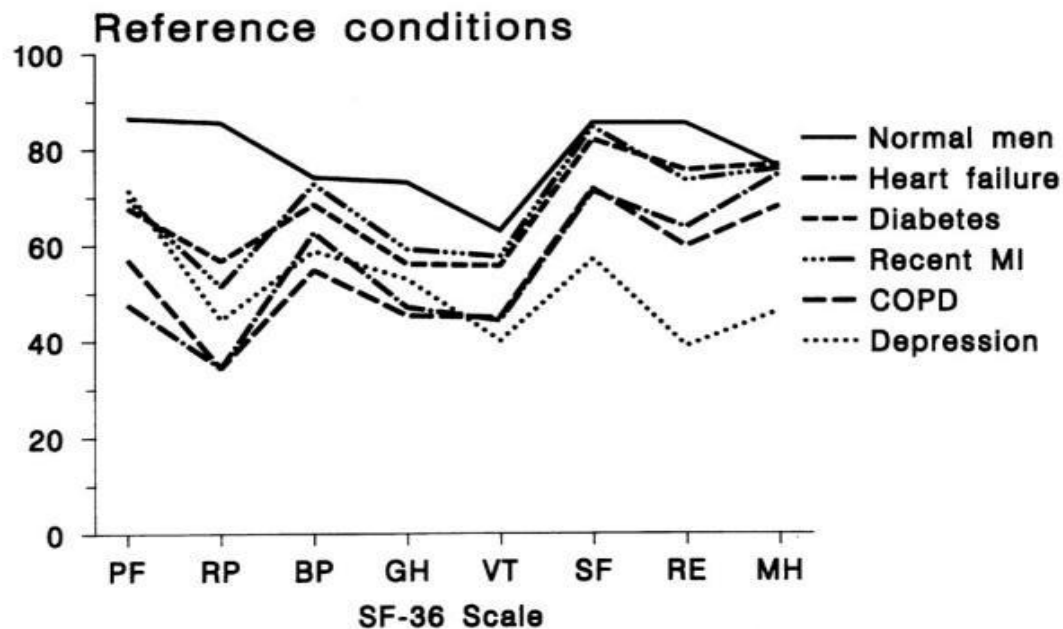
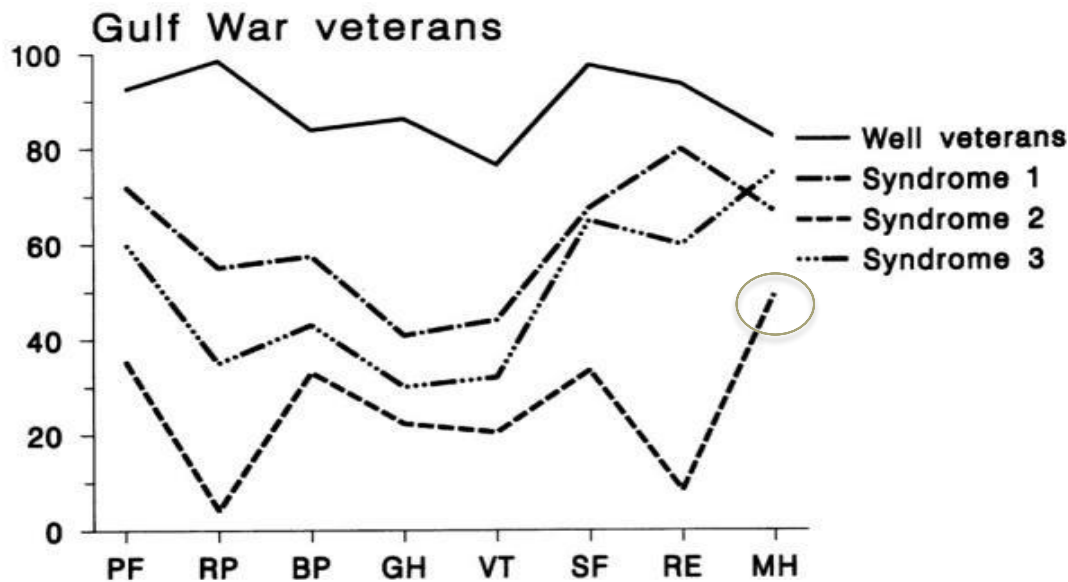


GH

PF= Physical Functioning (10); SF = Social Functioning (2); RP= Role Limitations Physical Problems (4); RE= Role Limitations Emotional Problems (3); MH=Mental Health (5); VT= Vitality/Energy (4); BP = Pain (2); GH = General Health (5)

OTHER CHRONIC ILLNESSES - SCORE < 72 HEART FAILURE, DIABETES, RECENT MI, COPD, DEPRESSION. Haley 2004 Lloyd Inquiry

WESSELY et al UNABLE TO DISTINGUISH BETWEEN SICK AND 'WELL' GWVs - JOEM 2003;45:668-675.



Haley Haley et al Am J Public Health.2002;92:46–47.

PF= Physical Functioning; RP= Role Functioning; BP= Bodily Pain; GH= General Health; VT= Vitality; SF= Social Functioning; RE= Role Emotional; MH= Mental Health

Note: The severity of the health deficits in sick Gulf War Veterans, Especially Syndrome 3. Mental health function highest.

Many veterans show evidence of physical brain injury in the form of neuropsychological impairment which cannot be detected by routine tests.

It is NOT a stress related condition nor related to any formal psychiatric illness.

NOT a result of PTSD

Some cancers also increased.

Report; http://www1.va.gov/rac-gwvi/docs/GWlandHealthofGWVeterans_RAC-GWVIReport_2008.pdf

Vaccines – Hypophysitis – Atkins Lancet

THE PACE STUDY/TRIAL

Comparison of adaptive pacing therapy, cognitive behaviour therapy, graded exercise therapy, and specialist medical care for chronic fatigue syndrome /ME (PACE): a randomised trial

Prof [PD White](#), Prof T Chalder, Prof M Sharpe + 16 others on behalf of PACE trial management group

Lancet 2011;377:823-836

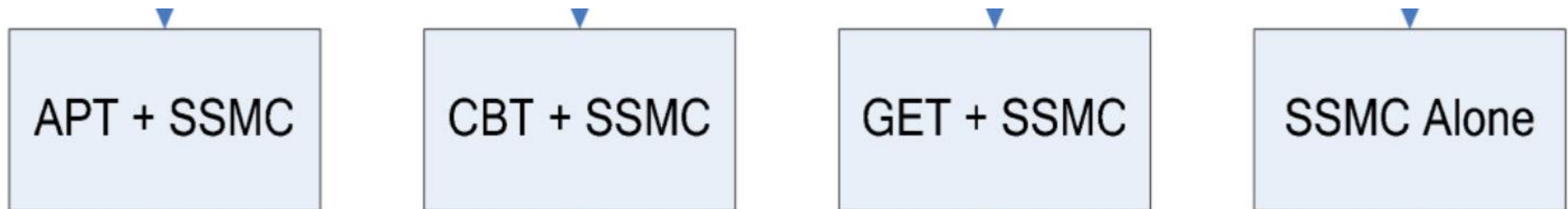
This study was designed to demonstrate the the claim that CBT/GET was the best evidence-based treatment for ME/CFS. Cost ~£5 Million!

FINE Trial (2010) - NO Statistical Improvement after 1 year using the same approach. Cost £1 Million. Not mentioned.

PACE TRIAL – CFS/ME- VALIDATE CBT & GET A RANDOMISED ~~CONTROLLED~~ TRIAL

NO OBJECTIVE MEASUREMENTS

NO BLINDING – a *sine qua non* for Subjective data



NO CONTROL GROUP Inter Group Comparisons

ORIGINAL Entry Requirements & Primary Outcomes
CHANGED AND MANIPULATED THROUGHOUT STUDY

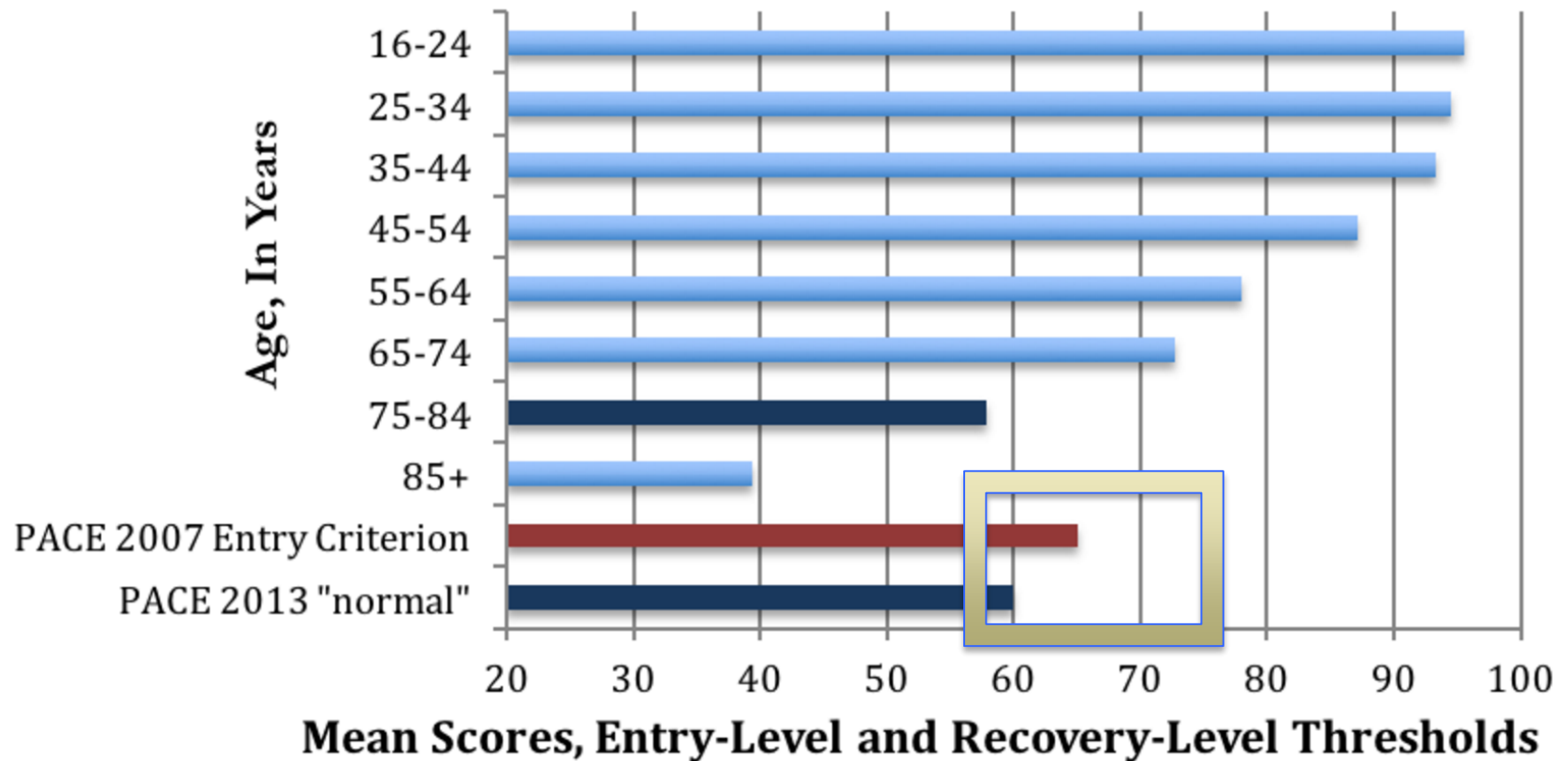
THE PACE TRIAL – 3Ts OF CRITICISM

TRAVESTY OF SCIENCE

TRAGEDY FOR PATIENTS/CARERS

TANTAMOUNT TO FRAUD

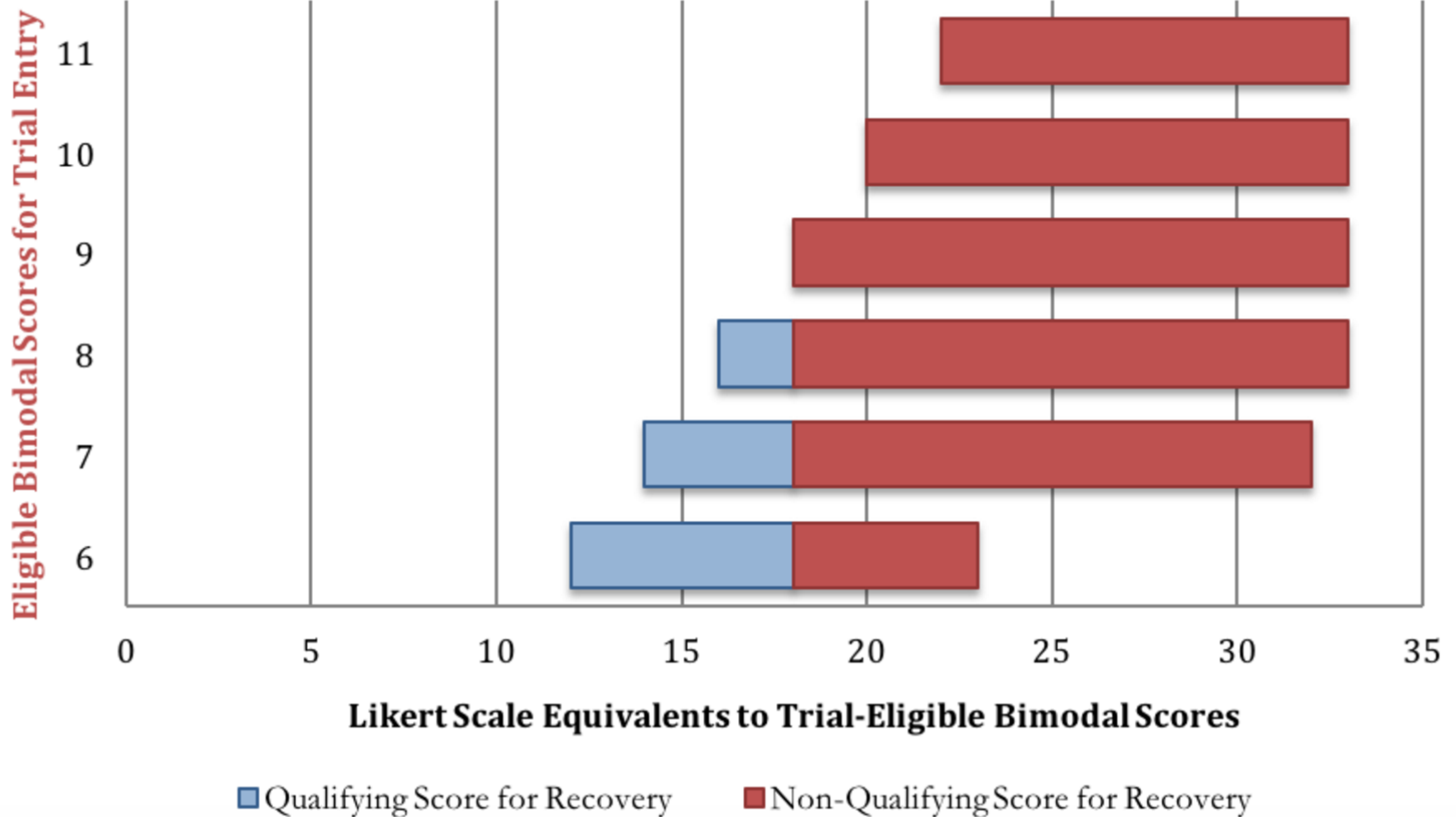
Average Physical Function Scores, Compared to PACE "Recovery" Threshold



Goldin 2016 Average age in trial = 39; SF -36 of 93- normative data
All Working Age Average ~85 ; All Ages Average ~78

Changes in Fatigue Scoring

Blue Scores Both Qualify for the Trial and also Qualify for Recovery



PACE HAS FAILED – NULL FIELD – NO EVIDENCE

VERY HEAVILY CRITICISED –in UK & USA

CALLS FOR RETRACTION OF PAPERS AND
RELEASE OF DATA –FOIA (took about 5
YEARS! Costing £1/4 Million)

12.000 SIGNATURE PETITION IN USA – Wall
Street Journal 7/3/2016 - FROM MEACTION
(USA) and 10 ORGANISATIONS in UK.

Plus \AUSTRALIA

<http://www.meaction.net>

Coyne J. Criticism of PACE trial see

<http://wames.org.uk/cms-english/2015/12/prof-james-coyne-on-pace-trial/> last visited December 10th 2015.

Smallcombe P at <http://www.virology.ws/2015/12/17/a-request-for-data-from-the-pace-trial/>

Tuller D. See

<http://www.meaction.net/2015/10/24/investigate-journalist-exposes-pace-trial/> for full references.

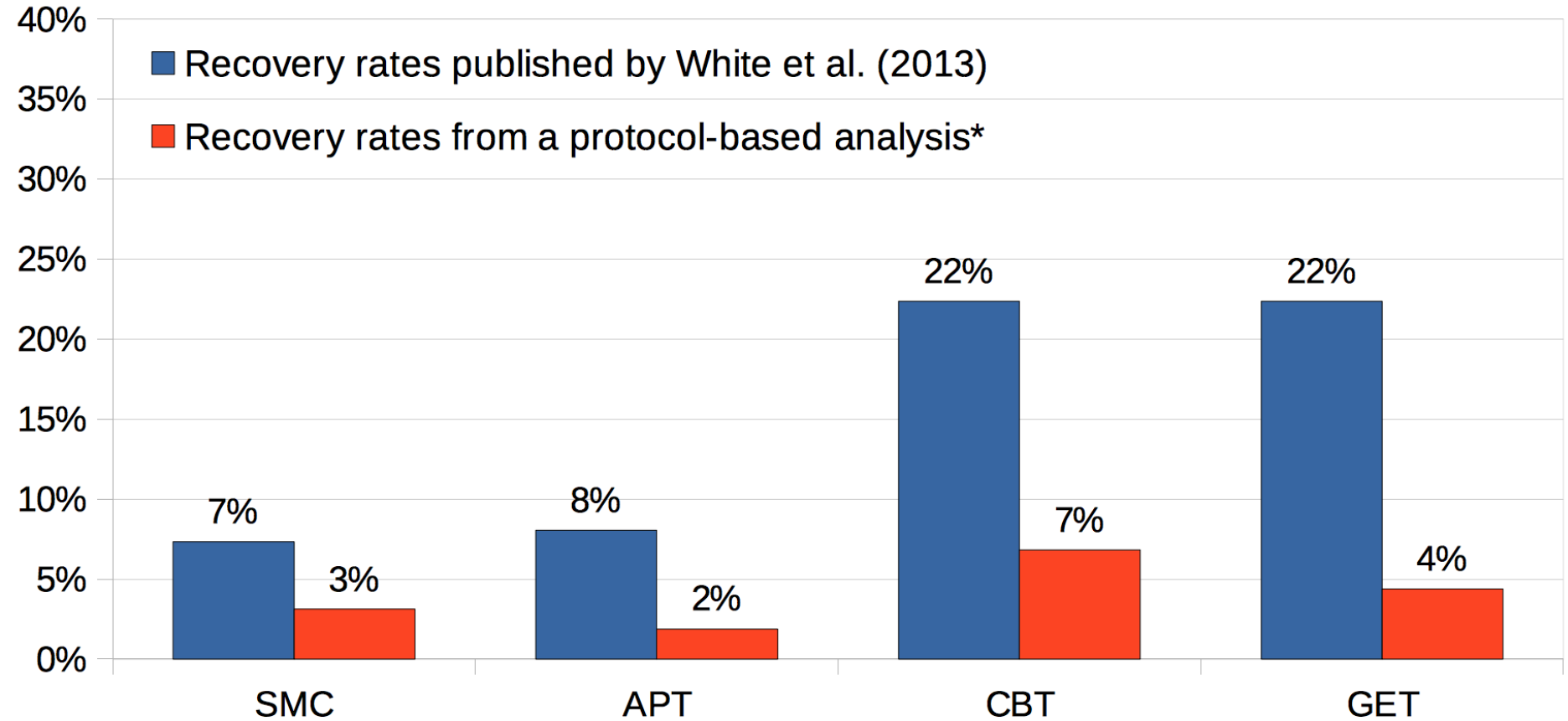
For requests for data see also

<http://www.virology.ws/2015/12/17/a-request-for-data-from-the-pace-trial/>

[Vink M.](#)

<https://sciforschenonline.org/journals/neurology/JNNB-2-124.php>

Figure 1. Post-trial changes to the PACE trial recovery criteria inflated the results



* None of the added therapies demonstrated a statistically significant advantage over specialist medical care alone when using the protocol-specified thresholds

Alem Matthees (1), Tom Kindlon (2), Carly Maryhew (3), Philip Stark (4), Bruce Levin (5).

VERY HIGHLY POLITICAL

GOVERNMENT – NHS, MRC, NICE, DWP, (Atos)
INSURANCE AGENCIES/BENEFITS ALL COMMITTED TO
CBT/GET APPROACH IN OTHER FIELDS. _ funders

Organophosphate Poisoning – FARMERS – legally
ordered to use OPs in Sheep Dip, Grain stores etc.
AeroToxic – GW-1 VETERANS, CABIN CREWS (AS)
MOST PASSENGERS-NOT 787

OTHER CONDITIONS WITH MUS, MUPS etc-
FIBROMYALGIA, IBS, the aluminium poisoning at
Camelford, dismissed as hysteria, etc.

MYALGIC ENCEPHALOMYELITIS

"NEVER IN THE FIELD
OF MODERN MEDICINE
HAS SO MUCH HARM
BEEN DONE TO SO
MANY BY SO FEW".



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THE COLLAPSE OF THE HOUSE BUILT ON SAND BIOPSYCHOSOCIAL MODEL/IDEOLOGY

"Since the collapse of the 19th century models (psychoanalysis, biologism and behaviourism), psychiatrists have been in search of a model that integrates the psyche and the soma. So keen has been their search that they embraced the so-called 'biopsychosocial model' without ever bothering to check its details. If, at any time over the last three decades, they had done so, they would have found it had none. This would have forced them into the embarrassing position of having to acknowledge that **modern psychiatry is operating in a theoretical vacuum.**" McLAREN 2006,1998

What does all this mean?

The **WHOLE** of Government Policy based on BSP model now Falls, DoH, NHS, NICE, MRC (Research Funding), DWP/Benefits

Payments must now be made to OP poisoned Farmers, Gulf War Veterans and Cabin Crews – Justice must be done. Select Defence Committee

Insurance Companies can no longer refuse payments to the sick, ME/CFS, OPs, OCs, etc

Nigel Speight, Sarah Myhill, Jean Monro and others Have been **VINDICATED**.

**TRUTH HAS BEEN SACRIFICED
SCIENCE PROSTITUTED TO SERVE VESTED INTERESTS
CORPORATE/GOVERNMENT LAW CORRUPTED
THE HUNGRY HAVE NOT BEEN FED
THE POOR PUSHED INTO GREATER POVERTY**

**“THEY DUG A PIT IN MY PATH AND HAVE FALLEN
INTO IT THEMSELVES.” Ps 57:6**

**“THOSE WHO SOW THE WIND WILL
REAP THE WHIRLWIND” (Hos 8:7)**

New medical derivatives from modern physics outside the Standard Model

You will need to cut and paste the web addresses
into your search engine

<http://www.significant-advance-in-medicine.com/>

**The website for the White Paper is provided at the close of this
latter 'Introduction' and is ~**

[http://www.significant-advance-in-
medicine.com/whitepaper.pdf](http://www.significant-advance-in-medicine.com/whitepaper.pdf) *for any who desire to move directly
to the document concerned.*

PLEASE LET US KNOW WHAT YOU THINK ANY COMMENTS - WELCOME

We are the music makers,
And we are the dreamers of dreams,
Wandering by lone sea-breakers,
And sitting by desolate streams;—
World-losers and world-forsakers,
On whom the pale moon gleams:
Yet we are the movers and shakers
Of the world for ever, it seems.

O'Shaughnessy



**THANK YOU- MAE-WAN – FOR ALL YOU HAVE GIVEN US
PETER – FOR THE SETTING UP THIS CONFERENCE
ALL OF YOU FOR LISTENING**