

Til formandskabet i Sundhedsudvalget og Fødevarerudvalget,
cc: Udvalgene

Se venligst notat til arbejdsgruppen for Tg, samt vedhæftede PDF med ny og vigtig information
vedr. relation til Diabetes Mellitus.

Med venlig hilsen
Bo Hembæk Svensson

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From: **Bo Hembæk Svensson** <bohembæksvensson@gmail.com>

Date: Tue, Feb 21, 2017 at 8:59 PM

Subject: **Til Arbejdsgruppen for Toxoplasma gondii**, Minister Esben Lunde Larsen, Minister
Ellen Trane Nørby, direktør Karen Hækkerup m.fl

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Til Arbejdsgruppen for Toxoplasma gondii,

cc: Minister Esben Lunde Larsen, Minister Ellen Trane Nørby, ledelsen i FVST m.fl

Gruppen har nu eksisteret i mere end et år, og det antages at man er blevet gjort bekendt med det omfattende Tg materiale der henover de seneste 24 måneder er tilsendt bla. FVST, LF, SUM, MFVM mfl. Det vigtigste af dette material er sammenfattet nederst i dette dokument - på engelsk, idet der er en hurtig eskalerende process i gang i USA involverende den nye regering/administration og alternative medier - og skal hermed formidle en "heads-up" desangående.

Vi forstår at arbejdsgruppen har begrænset sit arbejdsfelt til at se på prævalens i svinekød, og Tg's mulige sygdomsbyrde i Danmark og vil gerne byde ind med følgende;

Om sygdomsbyrde i Danmark.

* De ledende forskere anslår at **Tg kan være dødelig for 1/2000 inficerede/år**. I Danmark svarer dette til 700-750 personer pr år.

* I op til 20 % af skizofreni tilfældene menes Tg at være kausal, svarende til 100 personer/år i Danmark (500 skizofreni tilfælde/år)

* Herudover forbindes Tg med en lang række sygdomme - se appendix.

Om sygdomsbyrde siger eksperterne bla.: Toxoplasmosis – [A Global Threat](#). Correlation of Latent Toxoplasmosis with Specific Disease Burden in a Set of 88 Countries

[WHO \(2015\)](#):

"The disease burden due to most foodborne parasites is highly focal and results in **significant morbidity and mortality among vulnerable populations.**"

[Flegr et al.](#) (2016)

"Results of the present cohort study, along with the previous data from many case-control studies or ecological studies **suggest that latent toxoplasmosis represents a large and so far underrated public health problem.**"

[WHO](#) (2013):

"Our estimates of the incidence and burden of CT point to a **very large global burden of toxoplasmosis. The burden is even greater when various conditions and problems related to toxoplasmosis are considered.** For example, toxoplasmosis is known to cause chorioretinitis in healthy adults and especially in people who have immunosuppression. (..) There are also **increasing reports of neurological, psychiatric or psychomotor disorders related to "latent" toxoplasmosis, and of a higher frequency of road traffic accidents among seropositive individuals.** Even if toxoplasmosis accounts for only a small fraction of these problems in the population, **the global burden of disease attributable to toxoplasmosis is considerably greater than suggested by our CT data.** In addition, **since much toxoplasmosis can be prevented,** at least in theory, **by observing appropriate food hygiene,** *the disease deserves a higher profile in GDB studies and should not be subsumed into other disease categories, such as "congenital disorders".*

Om seroprævalens i Danmark

Vi antager at alle er bekendt med Serumsintitutts tal - bla. at 27% af de gravide er inficerede og at infektions-risiko i det store hele følger alderen.

Om infektion via svinekød og andre kødprodukter

Nyeste [rapport](#) fra International Journal of Food Microbiology, 2017:

"Under the best and the worst scenarios, the probability of **a single portion of fresh pork meat containing at least 1 viable cyst resulted 1.14% and 9.97%** indicating that the uncertainty and lack of data surrounding key input parameters of the model preclude accurate estimation of T. gondii exposure through consumption of meat products. "

I Danmark [anslås](#) at 3% af svinekødet indeholder cyster.

I en [sammenfattende](#) rapport siges det at:

"There is, however, general agreement that the costs of the relatively small proportion of cases with severe disease **make toxoplasmosis one of the most costly of gastro-intestinal infections.**" Af samme rapport fremgår det at økologiske svin i Tyskland har en prævalens på 12% mens industrisvin har ca. 3,5%

Om infektion via grøntsager og andre kilder

I [denne](#) rapport er 10% af de testede grøntsager/frugter inficerede;

"A total number of 216 fruits and vegetables samples were taken..... Toxoplasma DNA was found in 21 samples." Dette er konsistent med andre analyser fra andre lande. Der findes et omfattende udvalg af papirer der beskriver Tg udbredelse via drikkevand og fødevarer.

DESUDEN er der konstateret Tg i sæd hos [kaniner](#), [hunde](#), [får](#). Hertil er der lavet forsøg med svin/får og kontamineret sæd der viser **at Tg kan overføres seksuelt.....** ved arbejdsgruppen det? Det må antages at dette også gælder for mennesker indtil det modsatte er bevist. Det er kendt at Tg - via amygdala - påvirker sin værts seksualadfærd.

Som nævnt indledningsvist er der en proces igang i USA (analog til processen i Danmark) og vi udarbejder derfor løbende materiale hertil, som f.eks nedenfor.

Vi stiller os til rådighed i enhver sammenhæng der kan adressere dette problem, og deler vores viden og materiale med alle der er interesserede heri.

Vi er af den opfattelse at der er mange måder at løse problemet på, og at der, muligvis, findes én general løsning.

Med venlig hilsen
Bo Hembæk Svensson et al.

Toxoplasma gondii - short overview. Facts and science.

February 2017. Work-in-progress.

How can I self-assess if I have Toxoplasma gondii?:

A way to self-assess if you are affected by Toxoplasma - is to measure your ability to deal with the subject itself;

If you condemn it without investigation or experience medium to strong resentment to the idea of a brain-parasite, if your consciousness seeks to induces abrupt change in subject when Tg is discussed, or if you find it very difficult/fear-provoking to contemplatethen you probably have Tg.

Your doctor can test you, the testing procedure is a simple blood sample and -analysis. In USA and most of Europe the infection-rate lies in the range of 20-25%. Age reflects probability of infection as a rule of thumb (i.e 20 y/o=20% probability, 50 y/o=50% probability).

Tg's possible behaviouristic symptoms as described in scientific litterature includes; reduction in novelty seeking (reduced Curiosity), proneness to dogma, aggressiveness, conformity, conscientiousness, jealousy, trust in authority, amplified anxieties/fear. Driven by emotion more than fact. Prone to buy into fear-based narratives (and -isms).

Overview of known solutions/remedies/methods.

(Work in progress.)

Background:

1. Tg in evolutionary context.

To understand and decode the workings of Toxoplasma gondii, we must first look into its ontology; **Parasitism**.

Classified in biology in the *triune*; {Predator, Symbiote, Parasite} - thus being an *evolutionary quality*. Works from molecular level (virus) and up. This *triune* lies in the natural fabric of physicality, biology and psyche, and its manifestation within species is observable in *all* of the many life forms we know of. These qualities also lies at the foundation of how we organize society. In this light parasitism is a strategy. This is why science refers to intelligence in parasitism.

It is not only a set of biological rules. Parasitism is also a part of our psychic fabric, and as such an *archetype* - that according to Jung et al. has *agency*. It has a place in our consciousness, and its basic pattern is printed into the collective sub-conscious - and here lies the root cause to the hardship in getting this on the public agenda as an important health issue (and a very positive one too). Parasitism prefer the shadows, the less the host is aware the better. **Parasitism is expert in stealth.**

The U-set {Predator, Symbiote, Parasite} is in a constant interactive process and never in perfect equilibrium, however as the central dynamic *is* equilibrium corrections must happen.

The overall raison d'etre for Parasitism seems to be to challenge status quo, to probe and test the hosts defenses:

"The parasite is an **exciter**. Far from transforming a system, changing its nature, its form, its elements, its relations and its pathways the parasite makes it change states differentially. It inclines it. **It makes the equilibrium of the energetic**

distribution fluctuate. It dopes it. It **irritates** it. It **inflames** it. Often this inclination has no effect. But it can produce gigantic ones by chain reactions or reproduction." (Michel Serres, [The Parasite](#))

Parasitism takes advantage of the blind sides and the weak defenses. It is a constant challenge and has a very important role in keeping the societal immune-system (i.e the political- and institutional system) on its toes and in perpetual development.

It is easy to see the natural algorithms behind the triune elements, where Individualism favors *aggregation*, Collectivism favors *replication* and Parasitism favors *intrusion* and/or attachment.

Anyone observing society, humans, nature and our various modes of interaction will easily be able to see and distinct these qualities, but less so in terms of Parasitism that rather remains unseen - and that is why the scientific facts presented here (or contemplation hereof) will be novel to most people.

2. Biological overview of Toxoplasma gondii

The below are facts. Any information below is either well established biology or is from peer-reviewed scientific reports and articles.

* It is **the most successful parasite we know of**. It has infected a large number of mammalian species, from humans over livestock to beluga whales and sea otters

* It is the **most researched parasite** (being a "model protozoan") and more than 10.000 peer reviewed articles has been published on the subject of Tg

* Is called a "[Global Threat](#)" in [several scientific reports](#)

* Can control its hosts behavior, especially related to [amygdala](#) and the Paleomammalian brain (Limbic system)

* It has **developed its functionality and modus operandi for at least 10 million years**, and other parasitic fungus-species even managed "host-control" some 40 million years ago.

* Creates a huge boost in T-cells when it enters a body and confuses the immune system - that is suspected to trigger auto-immune conditions

* Traverses the blood-brain-barrier in a very sophisticated way

* Creates cysts (bradyzoites) in muscle tissue (for instance the heart) and in the brain

* Has a preference for the area around Amygdala (fear, emotion, reward)

* Is able to influence the synthesis of Dopamine (and Serotonin and Testosterone)

* Can be removed using a - surprisingly large - array of remedies and methods

* Hosts can be immunized and prophylactic action can reduce its effects

2.1 Disease with Tg as recognized causal factor:

* Toxoplasmosis in immune-compromised hosts

* Congenital Toxoplasmosis (rare but severe)

* Influenza-like symptoms at time of infection, due to boost in T-cells

2.2 Disease with Tg as suggested causal factor (full, in part or accentuating/amplifying)

* Various forms of cancer, with emphasis on [brain](#) cancer (Tg is mimicking the iron metabolism of cancer)

* Diabetes [I](#) & [II](#)

* Cystic [Fibrosis](#)

* [Cardiovascular](#) disorders/[Cardiac](#) diseases

* [Epilepsy](#)

* Long-term [wear-down of immune defense](#)

* [Schizophrenia](#)

* [Bi-polar](#) disorder ([manio-depressive](#))

* [OCD](#)

* Onset of various dementia related conditions

* ...etc

2.3 Suggested influence on behavior/psyche

* [Reduction](#) in "Novelty seeking" (i.e **elimination of healthy Curiosity....the most dangerous aspect of Tg**)

* Aggressive, "[explosive anger syndrome](#)"

* [Self directed](#) aggressiveness, [suicide](#)

* Lowered capacity of learning - *especially in [children](#)*

- * Conformity and dogmatism
- * [Extreme PMS](#) and deeper [postnatal](#) depression
- * Amplification of fear and subtle anxiety
- * [Wetiko](#)
- *...etc.

2.4 Suggested influence on the collective

- * Massive reduction in "novelty seeking" on a [societal](#) level
- * Amplification of fear-based agendas/collective fear inducing events
- * **Causal disturbances**