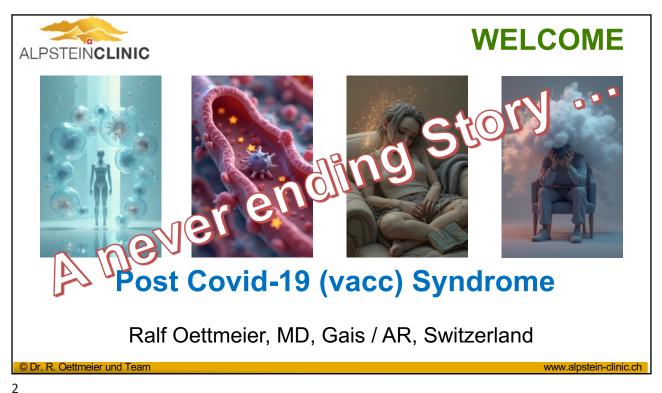


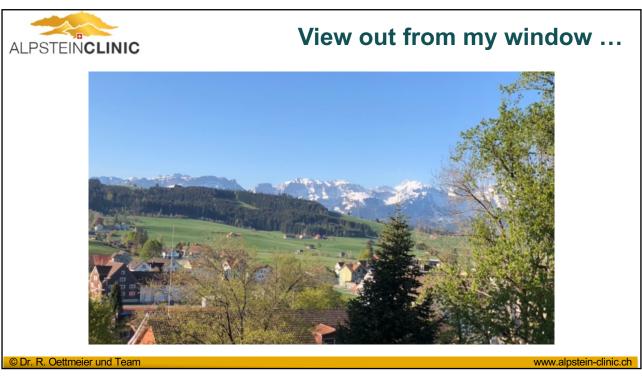
Continuous Professional Development

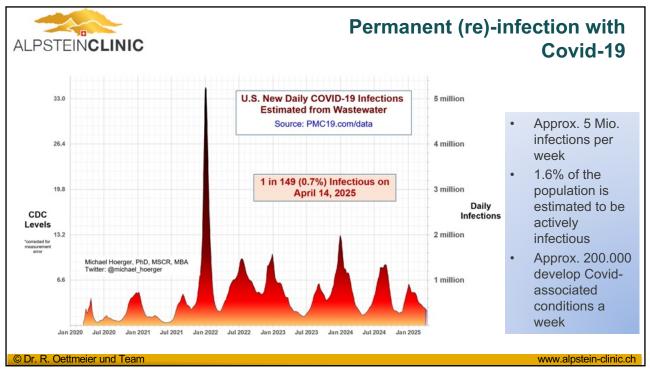
Seminars & Webinars

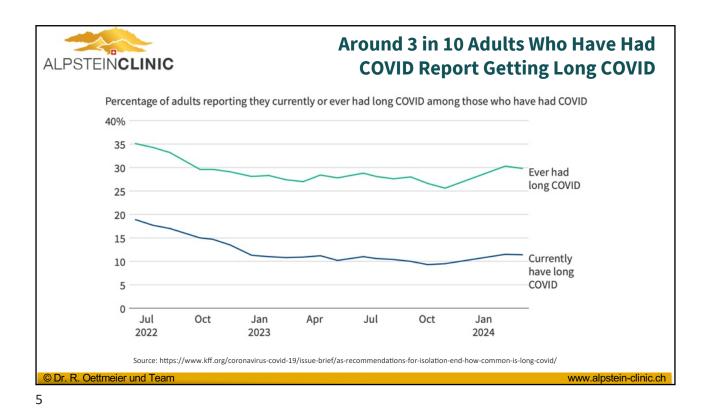
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ALPSTEINCLINIC

- **Neurologic and mental health**
- **Cardiovascular conditions**
- **Respiratory conditions**
- **Blood clots and vascular issues**
- **Musculoskeletal conditions**
- **Kidney failure**
- **Chronic fatigue**
- Etc.



Post Covid (vacc) Syndrome



Post Covid-19 (vacc) Syndrome

What is the scientific background?

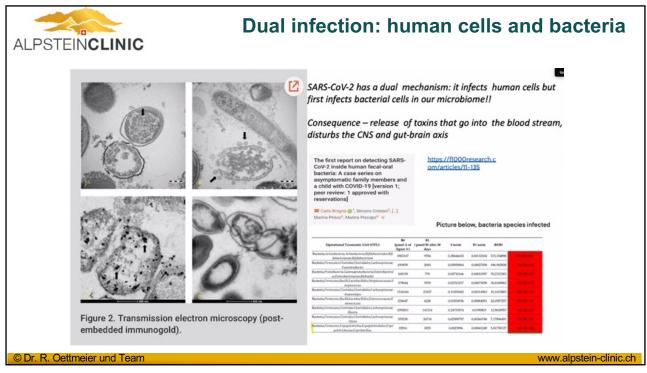
NEWS from research ...

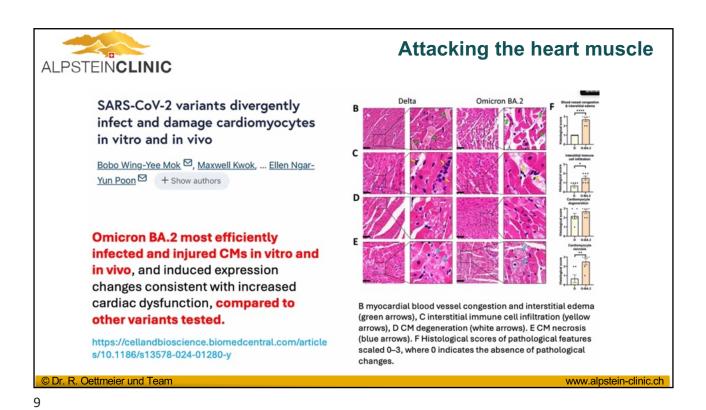


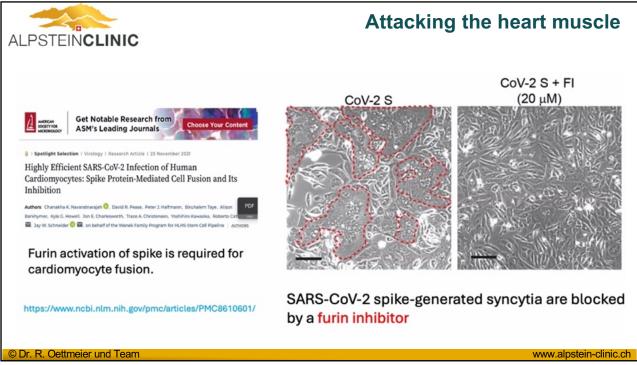
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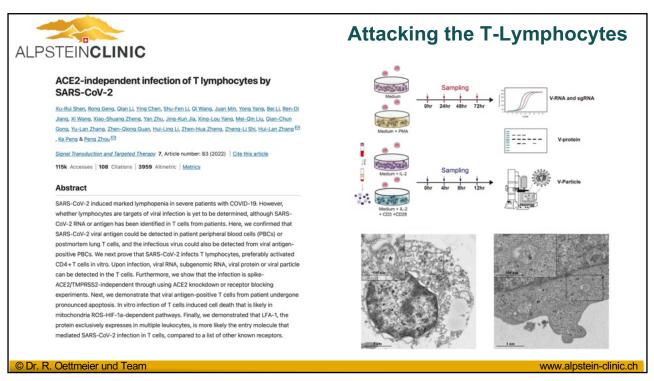
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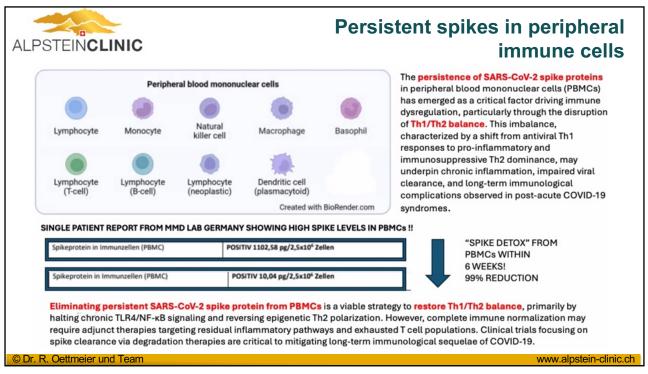
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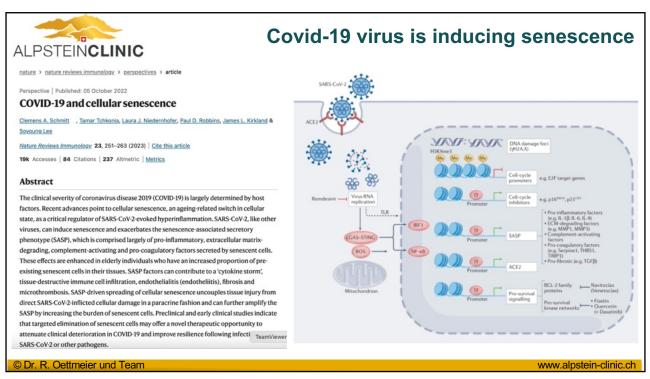


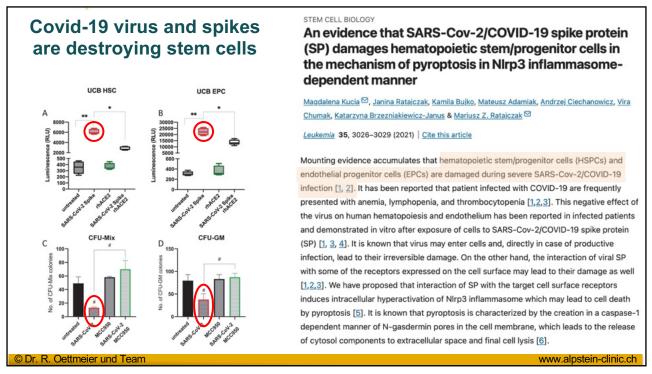


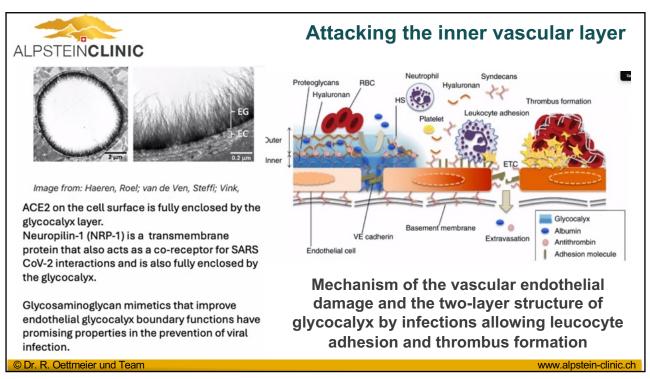


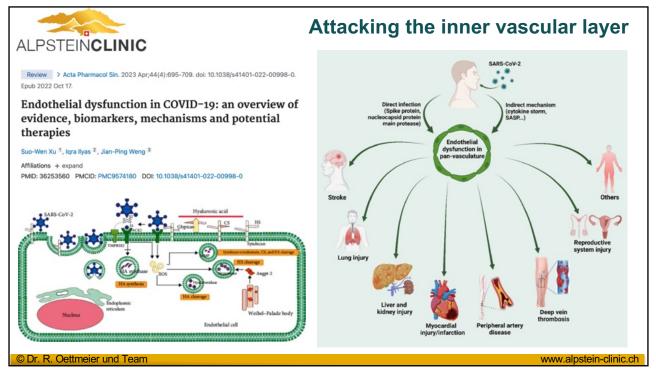


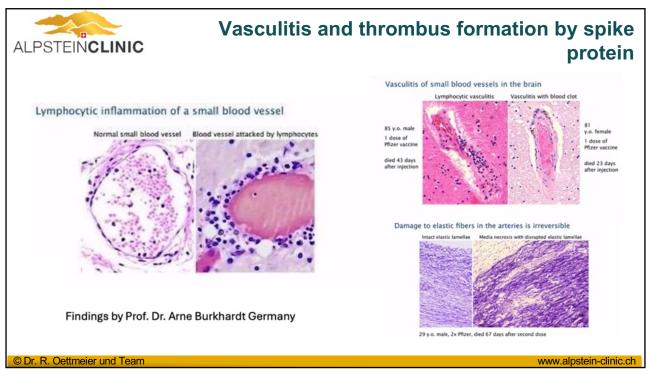


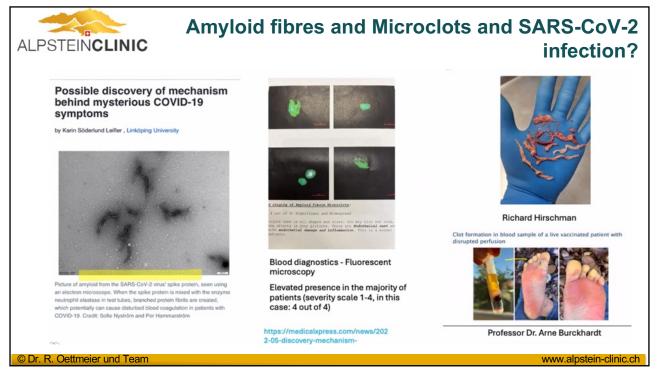


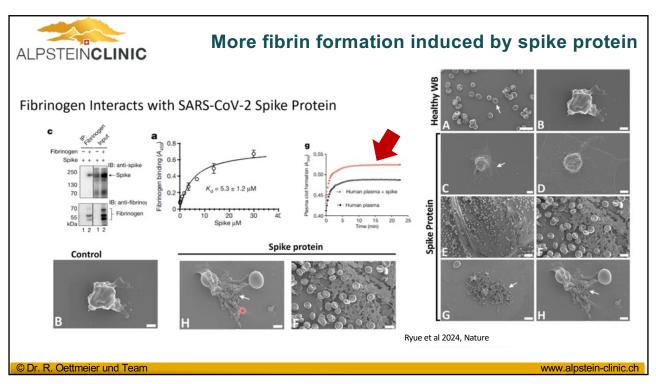


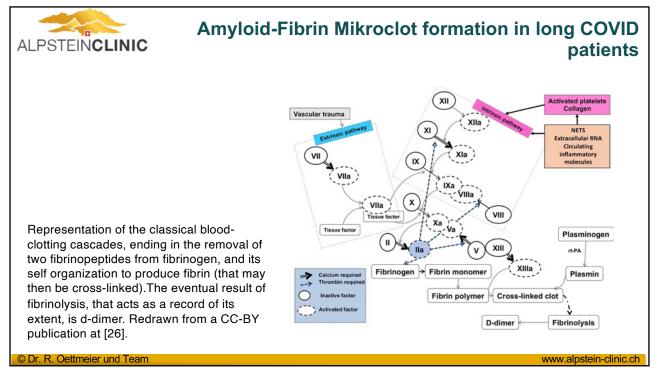


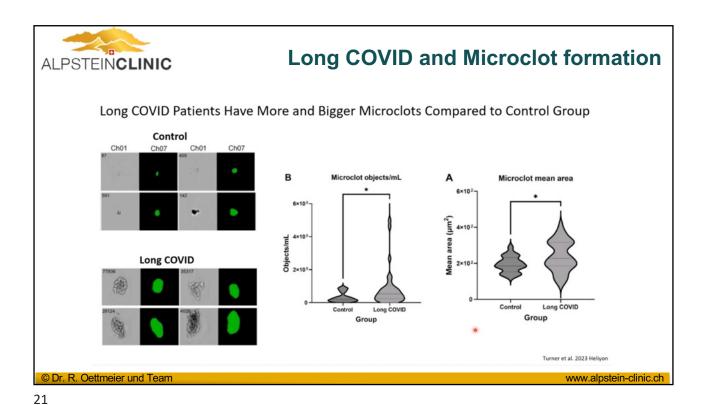












More Microclot formation in patients with ME/CFS and after Covid-vaccination

Increased Microclot Presence in ME/CFS

Platelet poor plasma from healthy participants

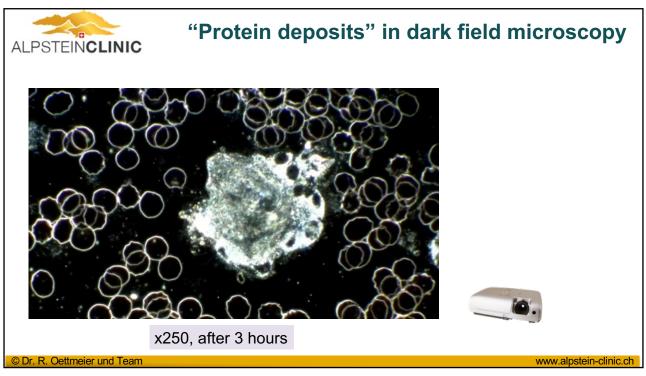
Platelet poor plasma from ME/CFS participants

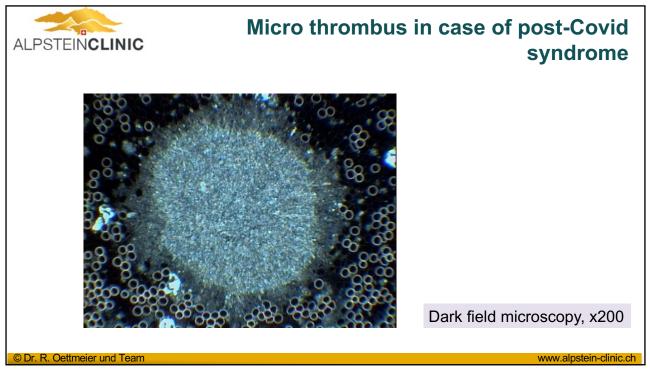
(COVID

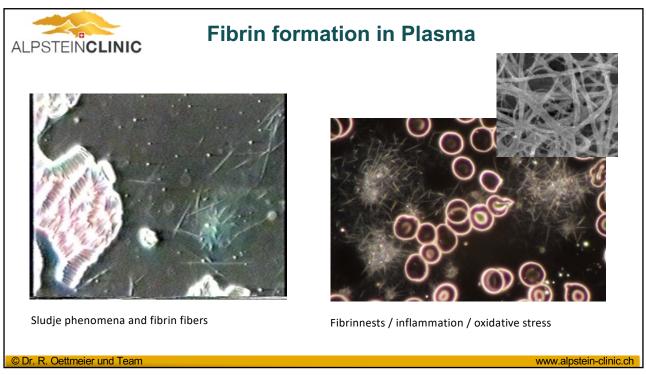
Wecinated Not Vaccinated Not Vaccinated

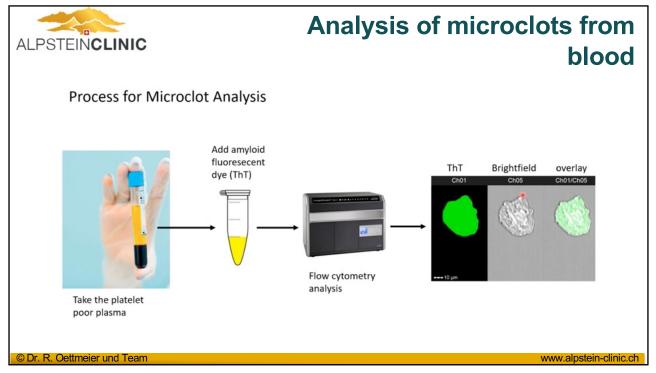
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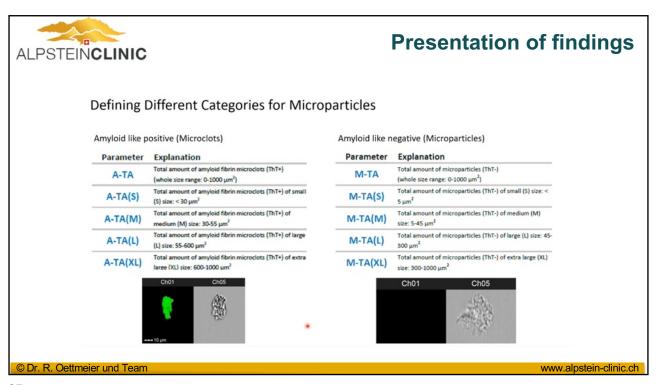
Nunes et al 2022 Pharmaceuticals

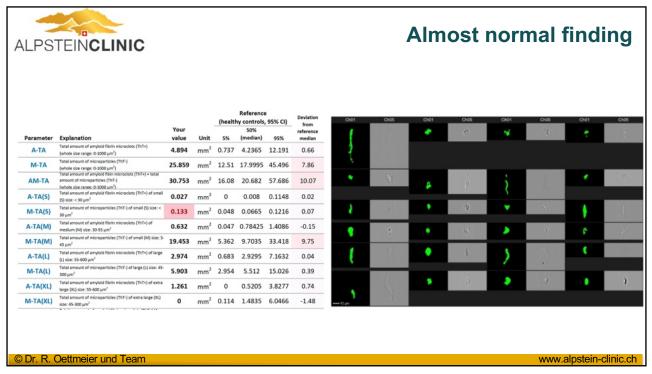


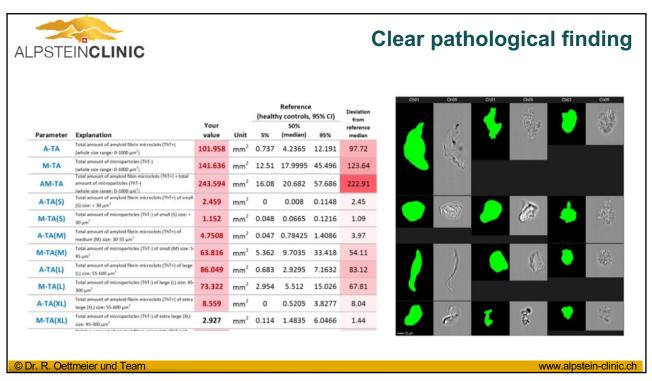


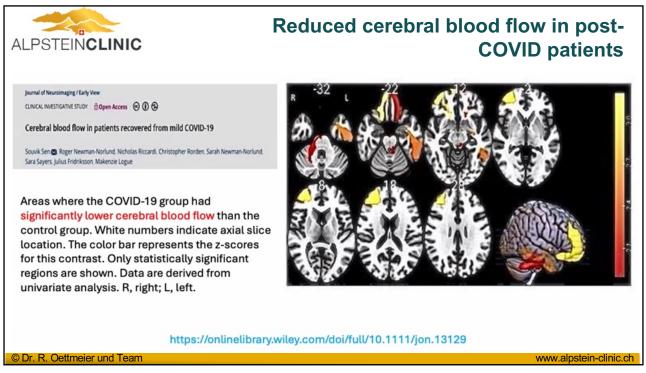


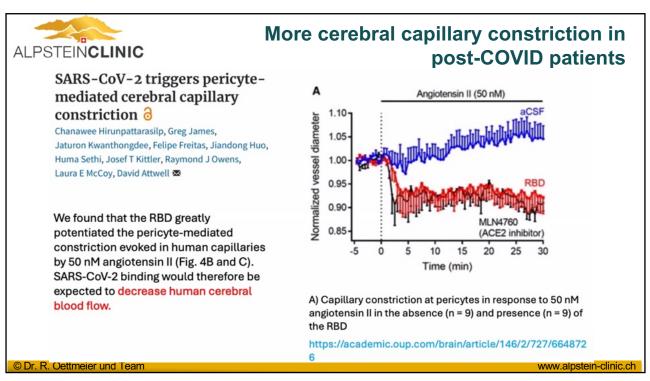


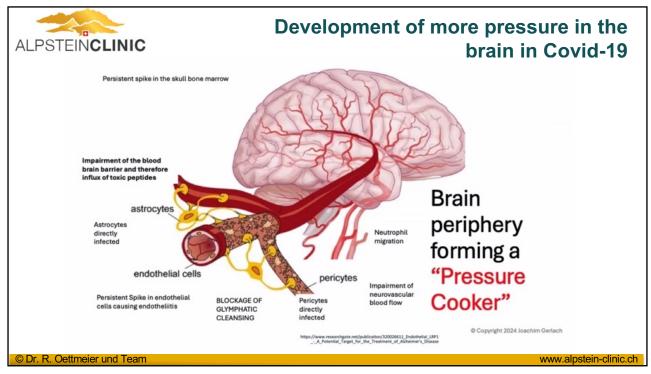


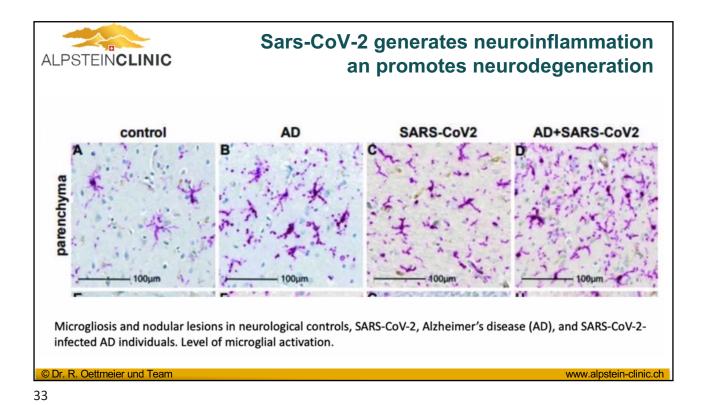






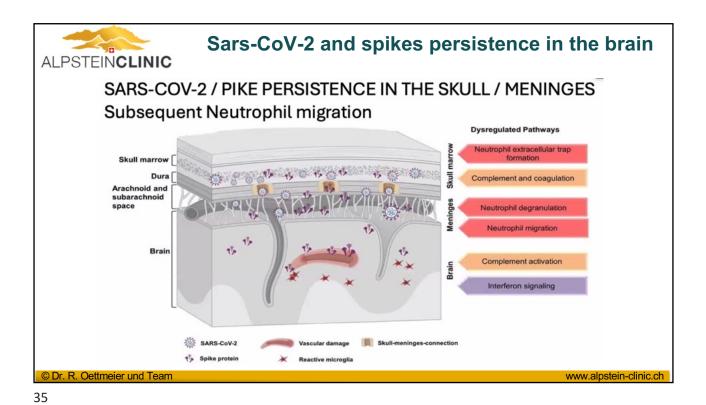






Triggers, actions and outcomes of **ALPSTEINCLINIC** neuroinflammation Triggers Actions Outcomes Infectious microbesViral Release of gliotransmitters, neurotrophic Microbe elimination factors, cytokines Synaptic plasticity Bacterial
 Fungal and Vasodilation Enhanced perfusion Phagocytosis Neuroprotection, repair, regeneration protozoal Autoimmunity Maladaptive Toxins Release of pro-inflammatory factors Hyperexcitability and/or impaired Environmental Plasma extravasation Disease proteins and danger signals Reduced computational power Neuroinflammation Degeneration Progressive CNS loss of function
 Chronic disease Release of pro-inflammatory factors
 Excitotoxicity, apoptosis
 Blood–CNS-barrier breakdown Neurogenic States of enhanced neuronal activity

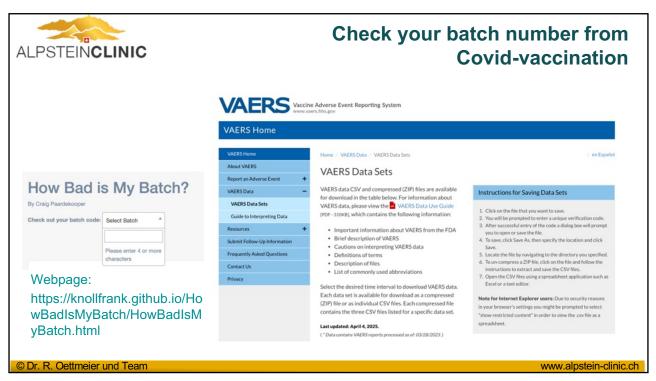
Noxious stimuli Anti-inflammatory
• Release of anti-inflammatory cytokines Resolution Psychological stress Termination of inflammatory Epileptic seizure neuroprotectins, resolvins, neurotrophic response factors, neurotransmitters, neuropeptides, cell adhesion molecules Vasodilation Dimitris N. Xanthos and Jürgen Sandkühler: Neurogenic neuroinflammation: inflammatory CNS reactions in response to neuronal activity, NATURE REVIEWS | NEUROSCIENCE VOLUME 15 | JANUARY 2014 | 43

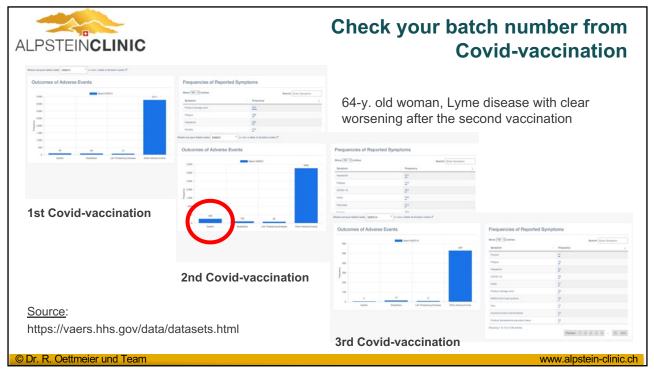


Consequences

By using integrative-biological Medicine

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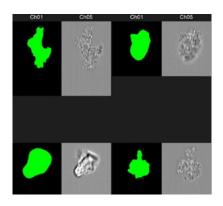




Consequences of microclot problem

- 1. After finding of elevated number of dry proteins / symplasts / micro thrombus and fibrin nests -> *Microclot Analysis is indicated*
- 2. Beside post COVID-19 also common in cases of
 - Parkinson's disease
 - Dementia Alzheimer's disease
 - Diabetes type 2
 - · Rheumatoid arthritis
- 3. Also, think on microplastics!
- 4. Biological treatment
 - SANUM: Mucokehl / Lactovis
 - Enzymes (Bromelain, WobeMugos, Nattokinase)
 - Platelet agglutination inhibitors (e.g. Fraxinus)
 - Antioxidants
 - INUSpheresis®

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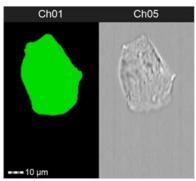
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THE method to remove the Microclots ...

Physically Microclots Cannot Pass Through the INUSpheresis Filter



Microclot can reach up to 10μm in diameter



INUSpheresis only allows particles smaller than 20-50 nm to pass through

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Clinical improvement of Long-COVID is associated with reduction in autoantibodies, lipids, and inflammation following therapeutic apheresis

Martin Achleitner^{1,10}, Charlotte Steenblock on 1,10 luliane Dänhardt¹, Natalia Jarzebska¹, Romina Kardashi¹, Waldemar Kanczkowski¹, Richard Straube², Roman N. Rodionov¹, Nitzan Bornstein¹, Sergey Tselmin¹, Frank Kaiser³, Ronald Bucher⁴, Mahmoud Barbir⁵, Ma-Li Wong^{6,7}, Karin Voit-Bak², Julio Licinio^{6,7} and Stefan R. Bornstein on 1,8,9

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85 % success rate!

Published:

Molecular Psychiatry 20.5.23 In the aftermath of the COVID-19 pandemic, we are witnessing an unprecedented wave of post-infectious complications. Most prominently, millions of patients with Long-Covid complain about chronic fatigue and severe post-exertional malaise. Therapeutic apheresis has been suggested as an efficient treatment option for alleviating and mitigating symptoms in this desperate group of patients. However, little is known about the mechanisms and biomarkers correlating with treatment outcomes. Here, we have analyzed in different cohorts of Long-Covid patients specific biomarkers before and after therapeutic apheresis. In patients that reported a significant improvement following two cycles of therapeutic apheresis, there was a significant reduction in neurotransmitter autoantibodies, lipids, and inflammatory markers. Furthermore, we observed a 70% reduction in fibrinogen, and following apheresis, erythrocyte rouleaux formation and fibrin fibers largely disappeared as demonstrated by dark field microscopy. This is the first study demonstrating a pattern of specific biomarkers with clinical symptoms in this patient group. It may therefore form the basis for a more objective monitoring and a clinical score for the treatment of Long-Covid and other postinfectious syndromes.

Molecular Psychiatry; https://doi.org/10.1038/s41380-023-02084-1

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See also webinar from 2024

Biological Therapy against neuroinflammation

- Antioxidants (Vit. C, E, Q10, Zinc, Selenium, OPC)
- Frankincense (Olibanum)
- Alpha-lipoic acid (600 to 1.200 mg)
- Omega-3-Fatty acids
- Secondary Plant substances (Curcuma, Resveratrol, Quercetin)
- Galactose (plus Glycoplan®)
- Procaine / ProcCluster®
- Perfect bedroom protection
- INUSpheresis®

Reactive astrocytes

NPO

NO2

NO2

NO2

NO3

NO3

NO5

NO5

NO5

NO5

Activated microglial cells

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Reducing spikes and reduction of reinfection risk

• Empowering the immune system:

- · Healthy lifestyle and nutrition
- · Basic supplementation: antioxidants, Vitamin D, pre- and probiotics
- ASLAN therapy, organopeptides (see webinar 2024)
- SANUM immune modulation: Utilin S D4, Recarcin D4, Bovisan D5 (weekly each)
- · Whole body hyperthermia, active fever therapy

Biological remedies for early signs of flue / infection

· Oscillococcinium, Cystus 052, Melatonin spray (intra-nasal)

Reduction and release of Spike proteins

- Curcuma / Turmeric 500 mg (2 to 3 times daily), infusion with 250 to 500 mg
- Resveratrol (200 to 400 mg daily)
- Artesunate (250 to 500 mg IV)
- Quercetin (500 to 1000 mg daily)

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Journal of Neurochemistry JNC to Other Journal of the International South o

Curcumin binds to the α-helical intermediate and to the amyloid form of prion protein – a new mechanism for the inhibition of PrpSc accumulation

① Correction(s) for this article

Iva Hafner-Bratkovič, Jernej Gašperšič, Lojze M. Šmid, Mara Bresjanac, Roman Jerala

First published: 07 November 2007 | https://doi.org/10.1111/j.1471-4159.2007.05105.x | Citations: 114

Abstract

J. Neurochem. (2008) 104, 1553-1564.

Conversion of the native, predominantly α -helical conformation of prion protein (PrP) into the β -stranded conformation is characteristic for the transmissible spongiform encephalopathies such as Creutzfeld–Jakob disease. Curcumin, an extended planar molecule and a dietary polyphenol, inhibits in vitro conversion of PrP and formation of protease resistant PrP in neuroblastoma cell lines. Curcumin recognizes the converted β -form of the PrP both as oligomers and fibrils but not the native form. Curcumin binds to the prion fibrils in the left-handed chiral arrangement as determined by circular dichroism. We show that curcumin labels the plaques of the brain sections of variant Creutzfeld–Jakob disease cases and stains the same structures as antibodies against the PrP. In contrast to thioflavin T, curcumin also binds to the α -helical intermediate of PrP present at acidic pH at stoichiometry of 1: 1. Congo red competes with curcumin for binding to the α -intermediate as well as to the β -form of PrP but is toxic and binds also to the native form of PrP. We therefore show that the partially unfolded structural intermediate of the PrP can be targeted by non-toxic compound of natural origin.

Curcumin, Spike protein and amyloid reduction



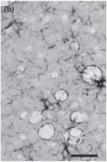
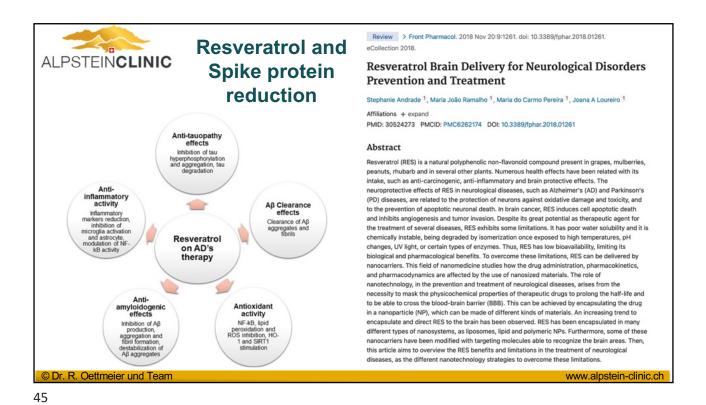


Fig. 2 Inhibition of PrP fibril formation by curcumin. PrP conversion reaction in the absence (a) or presence (b) of 80 μ mol/L curcumin has been followed by electron microscopy. While in the absence of curc-

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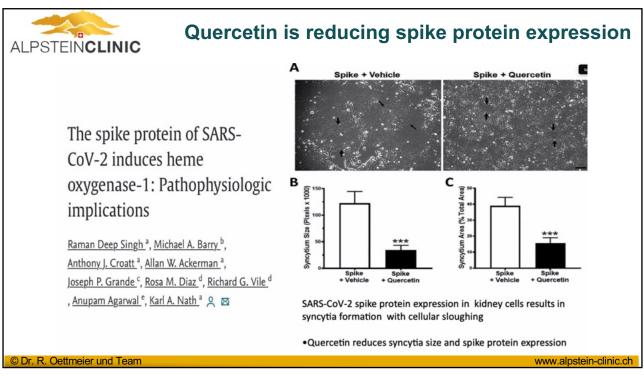
Article | Published: 13 September 2021

Virus-induced senescence is a driver and therapeutic target in COVID-19

Soyoung Lee, Yong Yu, Jako Timpert, Fahad Benthani, Mario Mairhofer, Paulina Richter-Pechanaka, Emanuel Wyler, Dimitri Belenki, Sabine Kallenbrunner, Maria Pammer, Lea Kausche, Theresa C, Firsching, Kristina Dietert, Michael Schotsaert, Carles Martinez-Romero, Gagandeen Singh, Séverine Kunz, Daniela Niemerer, Riad Chanem, Helmud J. F. Salzer, Christian Paar, Michael Mülleder, Melissa Uccellini, Etward G. Michaels, ... Clemens A. Schmitt | Show authors

Nature 599, 283-289 (2021) | Cite this article | City |

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More Webinars till Summer 2025

Time	Speaker	Торіс
22.05.25	Günther Bauer	Principles of homotoxicological medicine
26.06.25	Andreas Petzold	The homeopathic pharmacy for travelling

always Thursday, 6.30 pm, METZ possible for Downloading for the next 24 hours

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