

## Study Group AIDS Therapy

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To those affected,  
Their doctors and carers  
To the Media

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### ref. **Glutathione deficiency in AIDS patients and its treatment by means of NAC and herbal antioxidants**

Dear Sir/Madam

In 1989 Wulf Dröge and Egbert Holm, from the National Cancer Research Centre in Heidelberg observed that a severe glutathione deficiency occurred in AIDS patients and raised the question of whether this deficiency was the cause of the immune deficiency and the decrease in CD-4 helper cells in AIDS patients. After research into the relation between glutathione deficiency and immune deficiency they proposed in 1993 the administration of N-acetyl-Cysteine to AIDS patients and people with positive HIV tests and tested the effect of this treatment on CD-4 and CD-8 cells in them. Later other research teams also highlighted the role of glutathione deficiency on immune reactions.

<http://www.ummafrapp.de/skandal/felix/NAC/Beilage1.pdf>

In 1997 De Rosa, Herzenberg et al. demonstrated that ongoing glutathione deficiency correlates with a higher risk of mortality in AIDS patients and demonstrated in 2000 by means of a double blind clinical trial, that the immune status of AIDS patients undergoing HAART combination therapy could be continuously improved by high dosage NAC and infections and complications occurring with this treatment could be diminished

<http://herzenberg.stanford.edu/Publications/Reprints/LAH448.pdf>

Since 2004 it has been demonstrated in various studies, that HAART combination treatment aggravates the already existing glutathione deficiency in AIDS patients, which induces infections and the so-called resistance that develops during this treatment.

<http://www.ummafrapp.de/skandal/felix/NAC/Beilage2.pdf>

Even though these interactions have already been known now for many years, very few AIDS patients today receive targeted antioxidative treatment with NAC, vitamins and herbal antioxidants in conjunction with the administration of HAART. Even patients with the pulmonary infection (PCP), which to date is the most frequent cause of death in AIDS patients in the developed countries, do not receive antioxidative treatment with NAC.

Although it is known from various studies, carried out since the 1980s, that the continuous administration of antibiotics against infections (tuberculosis, malaria, typhoid, cholera cryptococcosis, candidiasis, toxoplasmosis, mycobacterium avium, herpes simplex and salmonella sepsis), that happens frequently in developing countries, causes a lasting glutathione deficiency up until now no targeted treatment with N-acetyl-Cysteine, Vitamins

and minerals is made along with the administration of antibiotics.

<http://www.ummafrapp.de/skandal/felix/NAC/Beilage3.pdf>

The fact that easy transmittable diseases (ETS) and their treatment by means of antibiotics play a crucial role in sero-conversion and in the development AIDS (as we have already stated in 1989 during our treatment debate in Olten, Switzerland) is now acknowledged by the leaders of AIDS-AID Switzerland, who now want to launch a campaign to prevent the transmission of easy transmittable diseases in risk groups.

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Felix de Fries

Link to this subject:

AIDS and the Mitochondria

[http://ummafrapp.de/skandal/felix/mitochond/AIDS\\_and\\_the\\_mitochondria.pdf](http://ummafrapp.de/skandal/felix/mitochond/AIDS_and_the_mitochondria.pdf)

Therapy Recommendations:

[http://www.ummafrapp.de/skandal/felix/therapeutic\\_recommendations.pdf](http://www.ummafrapp.de/skandal/felix/therapeutic_recommendations.pdf)