

Am 25. Juni 2002 an Herrn Prof. Dr. Oellerich als Abstrakt zum Labmed-Kongress, November 2002, Düsseldorf, gesendet:

Allergy and Asthma: The metabolic/immunological basis for the role of environmental and life-style factors

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Skin diseases (allergies), diseases of the respiratory tract and above all **asthma**, genetic defects as well as cancer are rapidly increasing in the western conurbations with use of cat cars - since 1990 very heavily in the east-Bloc states/ fall of the wall and exchange of old cars without cat against cat cars (1-3).

The most common occupational as well as public contact allergen Ni (4) and the most significant **atmospheric asthmatic pollution Pt (Pd)** (5) (automobile exhaust) are responsible for this fact (2,3,5): In the air finest distributed Pt at a metropolis like Munich results in about 300 to 400 g/ year plus heavy pollutions of aliphatic and aromatic hydrocarbons (6), soot particles (6-8) and a direct inhalation by pedestrians/ infants and pregnant woman. The **mechanisms** acting: Ni does not bind to sulfur but to N. Colloidal Pt(Pd) and Ni for instance have a preference for C, alkene, alkine; alkylate, catalyse additive reactions, oxidations, hydrogenations. Pt (Cis-Pt) inhibits/ stimulates proliferations/ IgE-synthesis.

A summation of the causes for multifactorial diseases, e.g. allergies, respiratory tract diseases and asthma is described by us (1,9,10).

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