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NUMBER OF CITATIONS PRINTED = 3
THIS SEARCH WAS PERFORMED ON THE ~~VINYL CHLORIDE DISEASE~~

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VINYL CHLORIDE DISEASE
NUMBER OF CITATIONS PRINTED = 3
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SOUTH CHARLESTON, WV 25303

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- 1 SI - IPA/77/00383
AU - Ward AM ; Udnoon S ; Watkins J ; Walker AE ; Darke CS
AD - Protein Reference Unit, Dept. of Immunology, Hallamshire Hospital
Medical School, Sheffield S10 2RX, England
TI - Immunological mechanisms in the pathogenesis of vinyl chloride
disease
SO - Br. Med. J.; VOL 1 ISS Apr 17 1976, P936-938, (REF 23)
AB - IPA COPYRIGHT: ASHP Immunological investigations were performed
on 58 workers from a vinyl chloride polymerization plant and the
results explain the pathogenic mechanisms of vinyl chloride
disease and allow some conclusions to be drawn about its
etiology. Vinyl chloride disease is a multisystem disorder
incorporating Raynaud's phenomenon, acro-osteolysis,
thrombocytopenia, portal fibrosis, and hepatic and pulmonary
dysfunction. Immunological and immunochemical investigations
showed the presence of circulating immune complexes in 19 out of
28 patients with the disease and in a further 2 out of 30 workers
exposed to vinyl chloride. The immunological data were reviewed
in relation to the clinical picture of the disease and to the
available evidence on the metabolism of vinyl chloride. The
results suggest that vinyl chloride disease is an immune complex
disorder and that the immune response is initiated by the
adsorption of vinyl chloride or a metabolite on to tissue or
plasma protein.
KW - Vinyl chloride toxicity, environmental
KW - Toxicity, environmental vinyl chloride
KW - Mechanism of action vinyl chloride
RN - 75-01-4
EM - 7707
- SI - TOXBIB/77/027465
AU - Friedel HP
TI - [The so-called vinyl chloride disease in the Federal Republic of
Germany]
SO - Fortschr Med; VOL 94, ISS 26, 1976, P1416-9
CD - FHOZA
IS - 0015-8178
AB - A short outline is given of the historical development of the
so-called vinyl chloride disease in the Federal Republic of
Germany. It is a report on the measures taken--including the
research work. Latest statistics about the cases of occupational
disease are shown.
KW - TOXBIB ; Chemical Industry */STANDARDS ; English Abstract
KW - Environmental Exposure ; Germany, West ; Human
KW - Industrial Medicine STANDARDS ; Maximum Permissible Exposure Level
KW - Occupational Diseases *CHEMICALLY INDUCED
KW - Vinyl Chloride *POISONING ; Vinyl Compounds *POISONING
EM - 7707

- 3 SI - TOXBIB/75/167545
AU - Kind R ; Hornstein OP
TI - [Acro-osteolysis (acro-osteopathia ulcero-mutilans) in a worker exposed to vapours of synthetics (author's transl)]
SO - Dtsch Med Wochenschr; VOL 100, ISS 18, 1975, P1001-4, 1007
LA - Ger
CD - DMW0A
IS - 0012-0472
AB - The neuro-cutaneo-osseous syndrome of "sporadic" acroosteolysis (of Bureau-Barriere), localized to the ends of the feet, has occasionally been seen in workers engaged in the polymerization of vinyl chloride. A case of the disease is described in a 42-year-old worker exposed to different vapours during the manufacture of plastic products, but he had never worked with vinyl chloride. Outstanding signs were dysproteinaemia, moderate thrombocytopenia, while symptoms of Raynaud's disease as well as scleroderma-like changes in hands and feet (typical of ~~Raynaud's disease~~) were absent. The onset of the osteolytic and ulcerative process corresponded to prolonged exposure to cold on the job. It is, therefore, assumed that there was concealed chronic intoxication with synthetic vapours which, in connection with cold exposure and other individual factors, may have aided in the manifestation of the disease. It is possible that under certain conditions synthetics other than vinyl chloride may contribute to the occurrence of sporadic cases of acro-osteolysis.
KW - TOXBIB ; Adult ; Blood Protein Disorders COMPLICATIONS
KW - Case Report ; Chronic Disease ; Cold ; English Abstract
KW - Foot Dermatoses *CHEMICALLY INDUCED/COMPLICATIONS ; Human
KW - Plastics ; Skin Ulcer *CHEMICALLY INDUCED/COMPLICATIONS ; Syndrome
KW - Thrombopenia COMPLICATIONS
EM - 7512

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