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Information section

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The references cited below have not been checked by the publisher.

1. Historical, legislative and general

Bernadino Ramazzini (1633-1714): De morbis artificum. (English)
[Historical Article, Historical Biography, 17th and 18th Centuries, Occupational Diseases History, Italy]

Social and hygienic evaluation of invalidism from occupational diseases. (Russian)
[Human, Disability Evaluation, Russian Federation (Europe), English Abstract]

Status concerning workers and industrial medicine. (Italian)
Didonna, P. Folia Med. (Napoli), 53, 105-12, Jun.-Jul. 70.
[Human, Labor Unions, Legislation Medical, Occupational Health Service, Italy]

The eyes from the viewpoint of disability compensation (Italian)
[Human, Eye Diseases, Eye Injuries, Jurisprudence, Workmen’s Compensation, Italy, English Abstract]

Industrial hygiene must be improved. (German)
[Human, Occupational Diseases Prevention and Control, Soaps Pharmacodynamics]

A prediction: occupational medicine in the 1970s. (English)
[Futureurology, Legislation Medical, Occupational Health Service, United States]

Prognosis in industrial dermatitis. (English)
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Legislation in various countries on disorders due to noise: trends and indemnities. (French)
[Disability Evaluation, Hearing Disorders, Europe]

2. Organization of medical and nursing services and education

The black lung conferences. A teaching innovation. (English)
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Applied concepts of automation in an occupational medical program. (English)
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Vocational guidance from the medical viewpoint. (German)
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Report on training requirements. (English)
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A telemetric method for assessing mental performance. (English)
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A model of fatigue. (English)
Tsaneva, N., Markov, S. Ergonomics, 14, 11-6, Jan. 71.
[Computers Digital, Fatigue, Feedback, Mathematics, Models (Biologic, Permeability, Synaptic Membranes)]

Assessment criteria for mental fatigue. A factor-analytic study of phase discrimination in mental fatigue. (English)
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Analysis of factors concerned with delay in return to work after injury and their relation to claims for compensation. (English)
Horn, C. V., Glass, A. Injury, 3, 9-12, Jul. 71.
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The understanding of complaints in a noisy workshop. (English)
Mechanical and physiological efficiency of muscular work with different muscle groups. (English)

Fatigue assessment in relation to industrial conditions. Direct estimation of circulatory fatigue using a bicycle ergometer. (English)

Evaluation of methods for the determination of factors inducing fatigue in man at work. (English)
Bulat, P. V. Ergonomics, 14, 43-51, Jan. 71.

Psychological rating of human fatigue. (English)
Kashiwagi, S. Ergonomics, 14, 17-21, Jan. 71.

Relations between the symptoms and the feeling of fatigue. (English)
Yoshitake, H. Ergonomics, 14, 175-86, Jan. 71.

An analysis of eye movements during a visual task. (English)

Maintaining concentration (TAF) as a measure of mental stress. (English)

Physiological parameters of mental load. (English)

The pre-employment examination—worth its cost. (English)

The measurement of fatigue in hot working conditions. (English)

Criteria of evaluation and adaptation to occupational effort of workers with pulmonary fibrosis working underground. (French)

Work capacity following myocardial infarct (according to data of long-term observations and multi-channel radioelectrocardiography). (Russian)

Proposition of work capacity following repeated myocardial infarctions. (Russian)

Study of working postures by surveillance of heartbeats: ergonomic consequences. (French)

Study of the dimensional and postural structure of the crane operator’s cab. (French)

Some test behaviour differences between healthy men and male myocardial infarction patients. (English)

Biotechnological methods used to demonstrate the physiological efficiency of the working man in practice. (German)

Analysis of employee turnover in an office machine plant. (German)

Limitations and breakthroughs in manned underwater activity. (English)

The relationship between employee breakfast-eating habits and visits to industrial health facilities. (English)

Circulatory factors limiting exercise in chronic respiratory disease. (English)

Behaviour of pulse during mental work in dependence of the duration and intensity of work. (German)
Heart rate responses to industrial heat stress. (English) Minard, D., Goldsmith, R. J. Physiol. (Paris), 63, 342-5, May 71. [Human, Body Temperature, Exertion, Heart Rate, Heat, Stress]


Pulmonary mechanics as a factor limiting the capacity for work in disease. (English) Jonson, B. Scand. J. resp. Dis. ( suppl.), 77, 94-7, 1971. [Disability Evaluation, Exertion, Lung Diseases Obstruction, Muscles, Oxygen Consumption, Pulmonary Alveoli, Respiration, Spirometry]


4. Traumatic conditions, accidents, and accident prevention

The assessment and management of the injured hand. (English) James, J. J. Hand, 2, 97-105, Sep. 70. [Human, Contracture Prevention and Control, Debridement, Edema Prevention and Control, Finger Injuries, Hand Injuries Surgery, Infection Prevention and Control, Skin Injuries, Transplantation Autolog, Wounds and Injuries Therapy]

Treatment of electrical burns. (English) Muir, I. E. Hand, 2, 137-9, Sep. 70. [Human, Burns Therapy, Burns Electric Classification, Finger Injuries Therapy, Hand Injuries Surgery, Infection Complications, Necrosis Complications, Skin Transplantation, Transplantation Autolog]

Card injuries of the hand associated with multiple broken pins. (English) Joshi, B. B. Hand, 3, 84-7, Mar. 71. [Human, Finger Injuries Therapy, Hand Injuries Therapy, Textile Industry, Transplantation Autolog]

The treatment of glass injuries to the hand at work. (English) Cameron, J. D. Hand, 2, 52-5, Mar. 70. [Human, Foreign Bodies Radiography, Glass, Hand Injuries Etiology, Peripheral Nerves Injuries, Protective Devices, Surgery Plastic, Tendon Injury Surgery]

High pressure injection injuries, the problems, pathogenesis and management. (English) Kaufman, H. D. Hand, 2, 63-73, Mar. 70. [Human, Accidents Industrial, Finger Anatomy and Histology, Foreign Injuries Etiology, Foreign Bodies Pathology, Hand Injuries Drug Therapy, Oils Adverse Effects, Pressure, Solvents Poisoning, Waxes Adverse Effects]
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[Human, Lead Blood, Methods, Yugoslavia]

Occupational exposure to inorganic compounds of lead. Investigation of aminolevulinc acid and coproporphyrin excretion rates of persons exposed occupationally for the first time. (English) Urbanowicz, H. Arch. environm. Hlth, 23, 284-8, Oct. 71.
[Human, Amino Acids, Lead Poisoning Diagnosis, Levulinic Acid, Porphyrins Metabolism]

[Animal Experiments Rabbits, Bone Marrow Enzymes, Erythrocytes Enzymes, Heme Metabolism, Hydro-lyases, Levulinic Acid, Liver Enzymes, Mitochondria Metabolism, Liver Metabolism, Porphyrins Metabolism, Adenosine Triphosphate]

Biochemical tests for the appraisal of exposure to lead. (English) Stankovic, M. K. Arch. environm. Hlth, 23, 265-9, Oct. 71.
[Human, Amino Acids, Erythrocytes, Levulinic Acid Urine, Porphyrins Metabolism]

Certain biological effects of lead upon the animal organism. (English) Bruin, A. de Arch. environm. Hlth, 23, 249-64, Oct. 71, 174.

[Human, Amino Acids, Hemoglobin, International Cooperation, Levulinic Acid Metabolism]

[Copper, Hepatitis Toxic, Lipsids Blood, Liver, Pneumonitis]

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Pulmonary changes induced by titanium dioxide. (Finnish) Maatta, K., Elo, R., Arstila, A., Uksila, E. Duodecim (Helsinki), 87, 1435-44, 1971. [Human, Animal Experiments, Bronchitis, Case Report, Pneumoconiosis Pathology, Titanium Analysis Case Report]


Silicosis hazards in mining and concentration of tin ore. (Russian) Lapshin, E. A. Gig. Tr. prof. Zabol., 15, 26-8, Jun. 71. [Human, Male, Animal Experiments, Rats, Hydroxyproline Metabolism, Lung Metabolism, Mining, Silicosis, Tin, English Abstract]

Pneumoconioses among the workers from the metal working enterprises—Plovdiv. (English) Jazov, K., Kamburov, S. Folia med. (Plovdiv), 12, 361-8, 1970. [Human, Metallurgy, Pneumoconiosis Radiography, Time Factors, Bulgaria]


Skin reactions to insulating materials. 1. Skin testing of mineral fibers. (German) Heise, H., Matthaeus, A. Derm. Mshcr., 157, 52-61, Jan. 71. [Human, Dermatitis Contact Etiology, Glass, Minerals Adverse Effects, Skin Tests, English Abstract]

Epidemiology of occupational skin lesions caused by chromates with special consideration of rehabilitation and prevention. (German) Kurzawa, B., Quas, M., Hollax, R. Dtsch. Gesundh.-Wes., 26, 81-5, 26 Jan. 71. [Human, Chromates Adverse Effects, Eczema Chemicaly Induced, Skin Diseases, Germany East]


[Human, Carbon, Cobalt Tungsten, Cough, Dyspnea, Histiocytes, Mast Cells, Microscopy Electron, Pulmonary Fibrosis Diagnosis]

Research on general capillary permeability in uncomplicated silicosis or silicosis with non-tuberculous complications. (French) Suciu, I., Cocirila, A., Olteanu, A. Arch. Mal. prof., 32, 543-51, Sep. 71. [Human, Capillaries, Blood Protein Electrophoresis, Capillary Permeability, Exudates and Transudates Analysis, Globulins Metabolism, English Abstract]


Acute forms of lead poisoning by lead stearate. (French)
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Neuritis of the optical nerve as a monosymptomatic form of lead poisoning. (German)
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Chronic arsenic poisoning and tumors in otolaryngeal region. (German)
Nagel, F., Drafl, W. H.N.O., 18, 249-51, Aug. 70.
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Effects of a single intratracheal application of apatite-nepheline and apatite-concentrate dust to rats lungs. (German)
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Problems of chronic manganese poisoning on the basis of investigations of workers at a manganese alloy foundry. (English)
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Lung function in relation to chest radiographic changes in Quebec asbestos workers. I. Methods, results and conclusions. (English)
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Bladder carcinoma in rubber workers. (English)
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Treatment of lead poisoning. (English)
Chiscolm, J. J., Jr. Mod. Treatm., 8, 593-611, Aug. 71, 16.
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Asbestos bodies in lungs: an Australian report. (English)
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Qualitative changes of lymphocytes following benzol absorption.
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Ultrasonic imaging of in vivo bubbles in decompression sickness. (English)
Rubisow, G. J., Mackay, R. S. Ultrasoniqns, 9, 225-34, Oct. 71.

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A simple rapid test for lead poisoning. (English)
Qazi, Q. H., Madahar, D. P. J. Pediat., 79, 805-8, Nov. 71.
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Reger, S. N. Laryngoscope (St. Louis), 81, 1802-9, Nov. 71.
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Preventive medicine recommendation for work with chemical carcinogens. (German)
[Carcinogens, Environmental Exposure, Protective Clothing, Protective Devices, Work, English Abstract]

Biologic behavior of dusts, isolated from the lung using formamide, in the intraperitoneal test in rats. (German)
[Human, Animal Experiments Rats, Anthracosilicosis, Coal, Dust Analysis, Formamide, Injections, Intraperitoneal, Silica, Silicosis, English Abstract]

Construction and function of a dusting apparatus for inhalation experiments with animals. (German)
[Animal Experiments, Dust]

Use of succimer as a means of preventing occupational poisoning in workers in the mercury industry. (Russian)
[Human, Antidotes, Mercury Poisoning Prevention and Control, Succinates Therapeutic Use, Sulphydryl Compounds Therapeutic Use, English Abstract]

Problems of radiation safety and efficacy of preventive measures in work with uranium enriched with U235 isotope (Russian)
Andreeva, O. S., Parkhomenko, G. M. Gig. i Sanit., 36, 36-9, Apr. 71.
[Air Pollution, Radiation Protection, Uranium, English Abstract]

Study of silicosis in Peruvian mines and permissible dust concentrations. (English)
[Human, Environmental Health, Air Pollution Analysis,
Altitude, Mathematics, Mining Standards, Models Biologic, Sampling Studies, Silica Analysis, Peru

**Vanadium pentoxide as toxic complex in the air of working space, its determination in the room-air and in urine.** (German)

Kohler, R. Z. ges. Hyg., 16, 7-12, Jan. 70.

[Human, Methods, Photometry, Vanadium Urine, English Abstract]

Problems encountered in sonometry in the SNGB. (French)

**11. Miscellaneous**

Restrictive lung disease: the view from pathology. (English)


[Human, Granuloma, Hand-Schueller-Christian, Heart Diseases, Heart Ventricle, Lung Compliance, Methods, Pneumoconiosis Complications, Pulmonary Artery, Pulmonary Fibrosis, Pulmonary Heart Disease, Reticuloendotheliosis, Sarcoidosis, Silicosis, Viscosity]

Diffuse pulmonary fibrosis. (English)


[Human, Exudates and Transudates, Farmer’s Lung, Granuloma, Hypersensitivity, Lung Pathology, Microscopy Electron, Proteins, Pulmonary Alveoli, Pulmonary Fibrosis Classification]

Occupational exposures to pollution. (English)


[Asbestos, Carcinogens, Environmental Exposure, Evaluation Studies, Methods, Mutagens, Poisoning Diagnosis, Research]

Value and limits of clinical and biologic detection in occupational diseases. (French)


[Acoustic Trauma, Carcinogens Poisoning, Electricity, Environmental Exposure, Magnetics, Pesticides Poisoning, Pneumoconiosis, Poisoning Diagnosis, Radiation Injury]

The effect of small concentrations of solvents on the state of the mucous membrane of the upper respiratory tract. (Russian)


[Human, Anosmia Chemically Induced, Chemical Industry, Respiratory Tract Diseases, Solvents, English Abstract]

Influence of communication systems on workers’ movements on the job. (French)


[Communication, Human Engineering, Methods]

Mammography examination of employees of Bristol Corporation. (English)


[Human, Female, Breast Neoplasms Radiography, Mammography, England]

The health of coal mining communities. (English)


[Human, Occupational Diseases Mortality, Absenteeism, Coal Mining, Socioeconomic Factors, Great Britain, Wales]

Some clinical and anatomical characteristics of infectious hepatitis in chemical plant workers. (Russian)


[Human, Chemical Industry, Environmental Exposure Toxicity, Hepatitis Infectious, English Abstract]

Epidemiologic studies on infectious hepatitis as an occupational disease. (German)


[Human, Epidemiologic Methods, Health Education, Hepatitis Infectious Prevention and Control, Germany East, English Abstract]

Occupational pathology of bromine, chlorine and halogenated derivatives. Monobromoacetic acid burns. (French)

Apfel, J. *Arch. Mal. prof.*, 32, 603-6, Sep. 71.

[Human, Bromine, Burns, Chemical, Chlorine]

The epidemiology of bronchopulmonary symptoms in coal miners, foundry workers, chemical workers and bakers. (English)


[Atmospheric Pressure, Body Height, Body Weight, Bronchitis Occurrence, Dyspnea Etiology, Mining, Pneumoconiosis, Respiratory Function Tests, Silicosis Occurrence, Smoking]