



Faculty of Medicine

Department V: Internal Medicine I

University Clinic of Occupational Health

University Professor, Position 26

Topic for filling university professor, position 26, Occupational Medicine Discipline:

1. Occupational Medicine (OM) - Introductory Course Role of OM. Definitions. Concepts of professional exposure. Working condition. Occupational disease. Accident at work. The relationship between work and health. Occupational health services - attributions. Presentation of the NetWoRM and EMUTOM project.
2. Professional risk and risk management. Labor legislation in Romania and the EU. Workplace Health Promotion (WHP). Occupational health risks.
3. Pneumoconiosis. Definition and classification. Positive diagnosis of pneumoconiosis. Classification of radiographs of the International Labor Office. Silicosis, coal mining pneumoconiosis, asbestosis, berylliosis (occupational exposure, etiological factors, mechanism of action, clinical symptomatology, paraclinical examinations, positive diagnosis, differential diagnosis, treatment principles, evolution, prognosis)
4. Professional allergic pathology. Professional allergic rhinitis, professional bronchial asthma, byssinosis, extrinsic allergic alveolitis, occupational dermatoses (exposure, etiological factors, mechanism of action, clinical symptomatology, paraclinical examinations, positive diagnosis, differential diagnosis, evolution, principles of respiratory and dermal allergy tests), treatment, prognosis, prophylaxis). Professional contact dermatitis - forms, positive diagnosis, differential diagnosis, evolution, principles of treatment, prognosis, prophylaxis).
5. Occupational Toxicology. Biological Risk. Professional Cancer. General definitions of industrial toxicology (definitions, measurement of workplace noxious - criteria, limit values, toxicological indicators, penetration pathways, general mechanisms of action, prophylaxis, practical aspects) IARC list and diagnostic conditions of occupational cancer. Biological risk: Groups of risks, classification and prophylaxis principles.
6. Occupational Exposure to Physical Noxious. Occupational Pathology Due to Exposure to Noise and Mechanical Vibrations (Hearing Fatigue, Hypoacusis and Noise Induced Hearing Loss, General Vibration Disease, Loco-Regional Vibration Disease - Definitions, etiology, mechanism of action, clinical, paraclinical, positive diagnosis, differential diagnosis, treatment principles, evolution, prognosis, prophylaxis). Lighting and health professional pathology due to exposure to electromagnetic fields, ionizing and non-ionizing radiation (acute irradiation syndrome, chronic radiation syndrome, definitions, etiology, positive diagnosis, differential diagnosis, treatment principles, evolution, prognosis, prophylaxis).
7. Occupational ergonomics. Mental health and work. Professional stress. Ergonomics (definition, general principles). Ergonomic principles in sitting positioning. Ergonomic principles in orthostatic position. Ergonomic principles forced activities. General notions of stress and professional stress. Professional neuropsychic stressors. Ways of coping. Harassment and violence at work.

Bibliography for filling university professor, position 26, Occupational Medicine Discipline:

1. Păuncu Elena-Ana (2008), Medicina muncii, teorie și practică, Editura Orizonturi Universitare, Timișoara
2. Păuncu Elena-Ana (2003), Medicina muncii, curs, Ed. EUROBIT
3. Păuncu Elena-Ana, Hanna Madia Celita, Cheptănariu Delia, Gherman Florina Georgeta (2004), Occupational Health, course, Ed. SOLNESS
4. Cocârlă Aristotel (sub redacția), et all (2009) Tratat de Sănătate Ocupațională, vol. 1, 2, Editura MEDICALĂ UNIVERSITARĂ "IULIU HAȚIEGANU" Cluj-Napoca



5. <http://www.agrosh.ro/?i=portal.en.elearning>
6. <http://www.emutom.eu>
7. <http://networm.casus.net>
8. <http://www.ilo.org/>
9. www.icohweb.org
10. http://www.who.int/occupational_health/en/
11. [http://europe.osha.eu.int/;](http://europe.osha.eu.int/)
12. <https://www.iarc.who.int/>
13. international / EU OSH legislation