Occupational cancers in Latvia

Maija Eglite
Latvia

Maija.Eglite@rsu.lv, phone 0037129513041
Introduction and Aim

- Work environment in Latvia has changed over last 30 years due to changes in Latvian OH&S system
- Occupational morbidity characterizes the general situation in OH&S
- **Confirmation and registration of the occupational diseases** are made in the Centre of Occupational and Radiological medicine in Paula Stradins Clinical University hospital
The number of occupational diseases and patients revealed annually for the first time has been gradually increasing.

The total number of newly revealed OD patients per 100,000 employed persons was 11.5 in 1996 and 184.2 in 2018, fig. 1. Increasing by 16 times during the last 22 years!

Occupational morbidity in Latvia is similar to other European countries.
Occupational morbidity, 1996 - 2017

Per 100 000 employees

- Occupational diseases patients
- Occupational diseases

Institute of Occupational Safety and Environmental Health, Riga, Latvia
Structure of occupational morbidity

1. The structure of occupational diseases in 2018: **musculoskeletal diseases 67,6 %; diseases of the nervous system and sensory organs 21,9 %** (among them carpal tunnel syndrome – 14 %); **vibration disease** (local and whole body)

2. Occupational oncological diseases – **0,05 % - 0,8%** in the period from 1999 till 2018
Occupational oncological morbidity

- The Occupational oncological morbidity in European countries – 2 – 8 %
- Occupational cancers (OC) under-recognized in Europe (EUROGIP)
- OC in Latvia - 0.05 – 0.8 %
- The occupational oncological morbidity in Latvia is 10 times lower than in many European Countries
Analysis of Occupational cancers diagnosed in Latvia

- 72 occupational cancers (OC) were diagnosed in Latvia from 1998 till 2018
- We have analysed 72 occupational cancers: age, stage of work, diagnose, occupational risk factors, work place
Analysis of 72 cases of occupational cancers

- Age at which the OC was revealed

- Age up to 39 years - 5 %
- From 40 till 49 years - 8.3 %
- From 50 till 59 years - 36.7 %
- over 60 years - 50 %
Analysis of 72 cases of occupational cancers

- **Stage of work**
  - Till 10 years - 34,6 %
    more common Ca Cutis
  - From 10 till 19 years - 30,8 %
    more common Ca Pulmonum
  - over 20 years - 34,6 %
Analysis of 72 cases of occupational cancers

Diagnosis of occupational oncological diseases

- Respiratory system - 29 %
- Gastrointestinal system - 9 %
- Urogenital system - 8 %
- Skin ca - 9 %
- Hematopoietic system - 5 %
Analysis of 72 cases of occupational cancers

Carcinogens

1. Oil products - 20,3 %
2. Metals - 23 % (Ni, Mn, Cr, Pb, Cd u.c.)
3. Ionising radiation - 21,6 %
4. Dust containing SiO₂ - 16,6 %
5. Organic solvents - 6,6 %
6. Rubber extensors - 5 %
Analysis of 72 cases of occupational cancers

Main Types of Economic Activity

- Glass fiber industry - 15.5%
- Health care - 13.5%
- Construction - 12%
- Metal and woodworking - 12%
- Rubber industry - 6%
Thank you for your attention