

The background is a light blue gradient with several realistic water droplets of various sizes scattered across the surface. The droplets have highlights and shadows, giving them a three-dimensional appearance.

Occupational Disease

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Worker



Work Safety

- Prevention
- Supervision/Monitoring
- Follow up efforts

K3

Occupational Health

- Definition
- Diagnosis
- Management

Worker Health Problems

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graph LR; A[Worker Health Problems] --> B[General Disease (GD)]; A --> C[Occupational Related Disease (ORD)]; A --> D[Occupational Disease (OD)];
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General Disease
(GD)

Occupational
Related Disease
(ORD)

Occupational
Disease (OD)

General Disease

- Source of Cause → anywhere
- Not caused / exerted by work
- Difficult prevention

Occ Related Disease

- Related to work
- Can be exerted by work
- Easier prevention

Occ Disease

- Absolute cause due to work, specific causes
- Easy prevention

Background Occ. Disease

**Permennakertrans
No. Per. 01/Men/1981**

**Obligation to report
Occupational Disease**

**Kepres
22 tahun 1993**

The type of disease

**Diseases caused
by work or
work
environment**

Causative Factor of Occ. Disease



Physics

Noise, Vibration, Radiation,
Poor lighting, extreme
temperatures



Chemistry

Dust, Gas, Steam,
Smoke, Fog, Etc..

Biology Viruses, Bacteria, Fungi,
Parasites, Insects



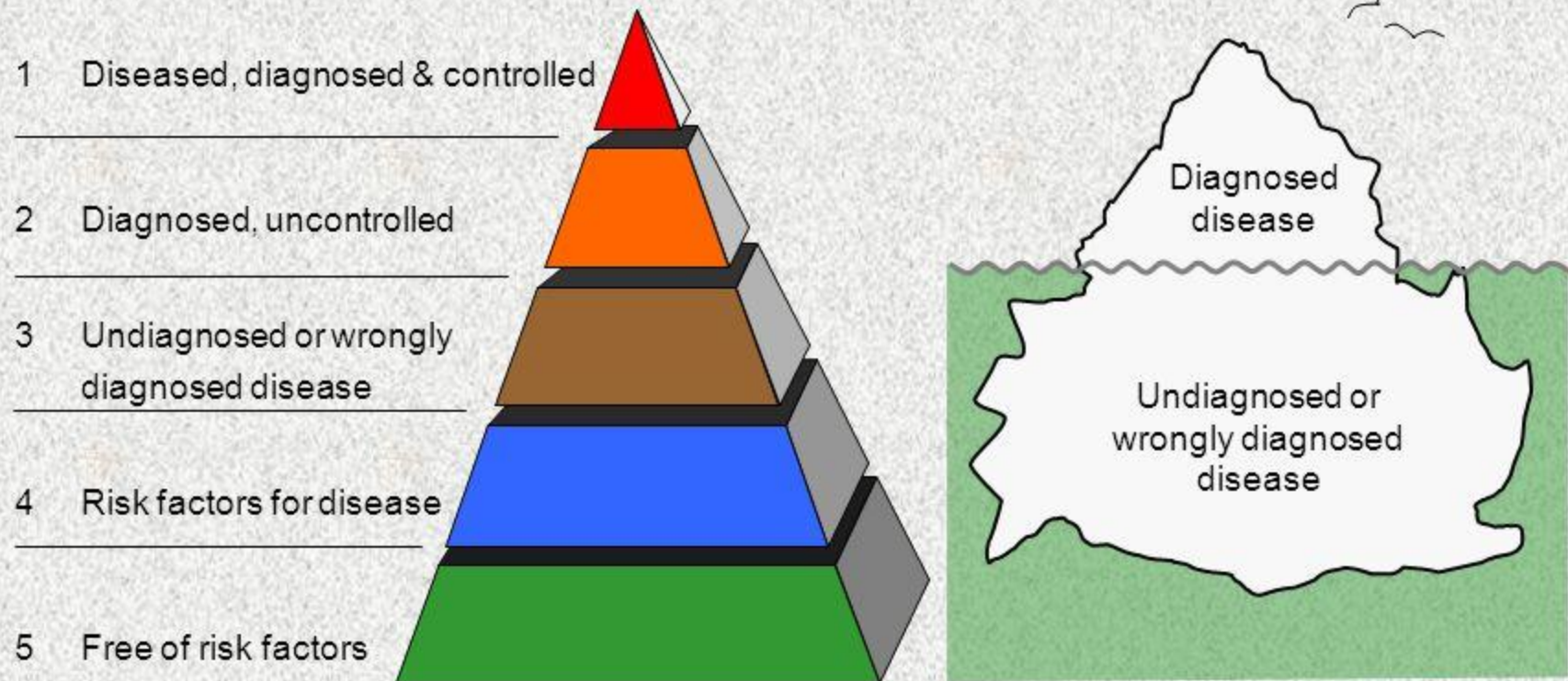
Ergonomic

Power is too drained, standing up long /
overdone, wrong movements, lifting
weights too heavy ,, etc.

Psychology

Can be relationship to people, work and work
environment

Iceberg phenomenon ?



Reasons For The Iceberg Phenomenon On Occ Disease

1. Symptoms and signs such as common diseases
2. Long incubation period
3. Ignorance of the diagnosis of OD
4. Fear of compensation
5. Technical and administrative barriers

How To Make a Diagnosis Occ Disease?

1. Establish a clinical diagnosis
2. Determine the exposure experienced
3. How is exposure to clinical dx
4. Measure the amount of exposure experienced
5. Are there individual factors (genetic, etc.)
Influential
6. Look for other possible factors outside of work
7. Determine, of Occ. Disease → YES or NOT

Causes Of Musculoskeletal Disorders

BIOLOGICAL FACTORS
(Age, Sex, etc)

EXERCISE MUSCLE STRECHING

UNNATURAL WORK ATTITUDE

REPEATED ACTIVITY

SECONDARY CAUSES:

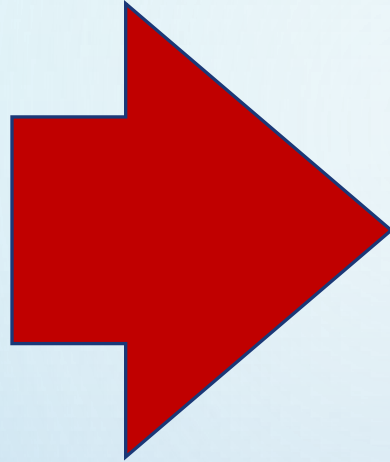
- Pressure
- Vibration
- Temperature

CAUSES OF COMBINATION:

- Age
- Gender
- Smoking
- Physical Fitness
- Physical Strength
- Body Size

Cause Of Occ Disease

- Physical
- Biology
- Chemistry
- Ergonomics
- Psychology



Management Of Occ Disease

- Production process
- Work environment
- Worker
- Management policy
- Rules / legislation

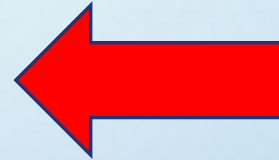
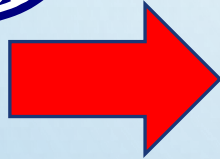
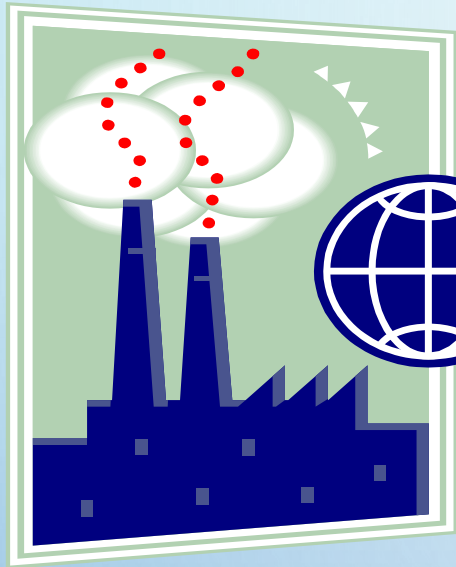
MEDICAL:

- Professional standards
- Service standard
- Standard operational procedures

OCCUPATION:

- Prevention for OD
- Early discovery of OD
- Workworthiness services
- Returned to work service
- Defect determination service

The Role of Doctors in K3



- Facilities
- Cost
- Productivity

- Obligations
- Rights
- Ethics & Law

- Rights >>>
- Obligations <

THANK YOU

For Your Attention!