

INTRODUCTION TO INDUSTRIAL HEALTH

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TOPIC STRUCTURE



- Didactic lecture
- Demonstration where applicable
- Group assignment (Pre & Post)
- Assessment : MCQ's

OBJECTIVES

- Explore the concept of industrial health
- Examine the Industrial Model of Therapy

CONTENTS



- Occupational health history
- Current scenario of occupational health
- Concept of occupational health:
 - Definition of occupation, occupational health, occupational environment and occupational health hazard
 - Reasons for occupational health hazards
 - Types of occupational health hazards
- Models of industrial therapy

GROUP ACTIVITY-Pre Test



- Define occupation, occupational health, occupational environment and occupational health hazard
- What are the reasons for occupational health hazards
- What are the types of occupational health hazards
- What are the models of industrial therapy

OCCUPATIONAL HEALTH HISTORY



- During industrial revolution in Europe: Many reports available on disease & accidents at workplace
- As a result health services for prevention & treatment of industrial injuries
- Late 19th & early 20th century legislation against to protect workers against occupational injury & diseases were introduced sporadically

CURRENT SCENARIO OCCUPATIONAL HEALTH



- No clear job definition
- Long working hours
- No implementation of law like minimum wages, hiring age
- Lack of awareness & empowerment
- Economic insecurity
- Physician- center health culture

WHAT IS OCCUPATION?

Defined or delineated set of tasks that occupy a large part of individual's waking hours & through which he/she supports himself or herself



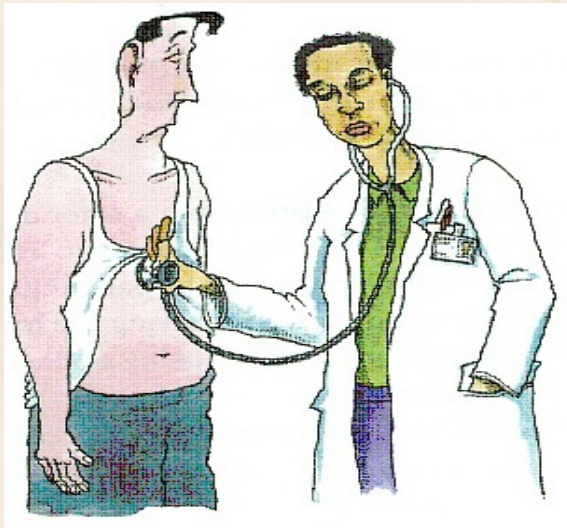
WHAT IS OCCUPATION?



- 45% of world's belong to global workforce
- Economic & material basis of society which is critically dependent on their working capacity
- Occupational health & well-being of working people = productivity & are of utmost importance for overall socioeconomic & sustainable development

OCCUPATIONAL HEALTH

Health status whether immediate or delayed as a result of primary occupation



OCCUPATIONAL HEALTH HAZARDS

- Workplace is a hazardous
- Detrimental effects on the health caused directly either by a part or wholly by elements of occupation



OCCUPATIONAL HEALTH HAZARDS



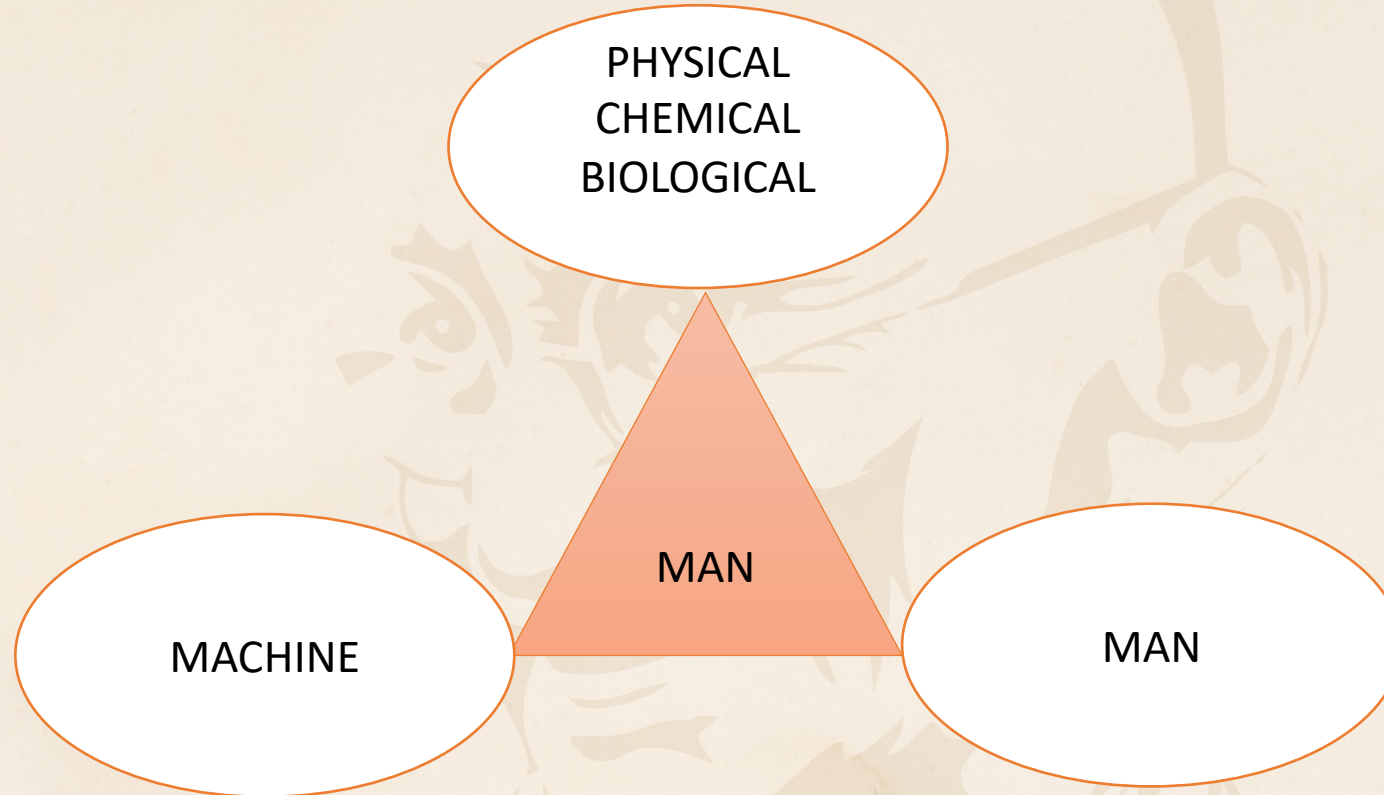
- Many individuals spend one-third of their adult life in such hazardous work environments.
- Approximately 30-50% of workers report hazardous risk factors at work place.
- 100 million occupational injuries causing 1 million death/year globally (WHO)
- Only 5- 10% of workers in developing countries
- 20-50% of workers in industrialized countries (with a very few exceptions) have access to occupational health services

OCCUPATIONAL ENVIRONMENT



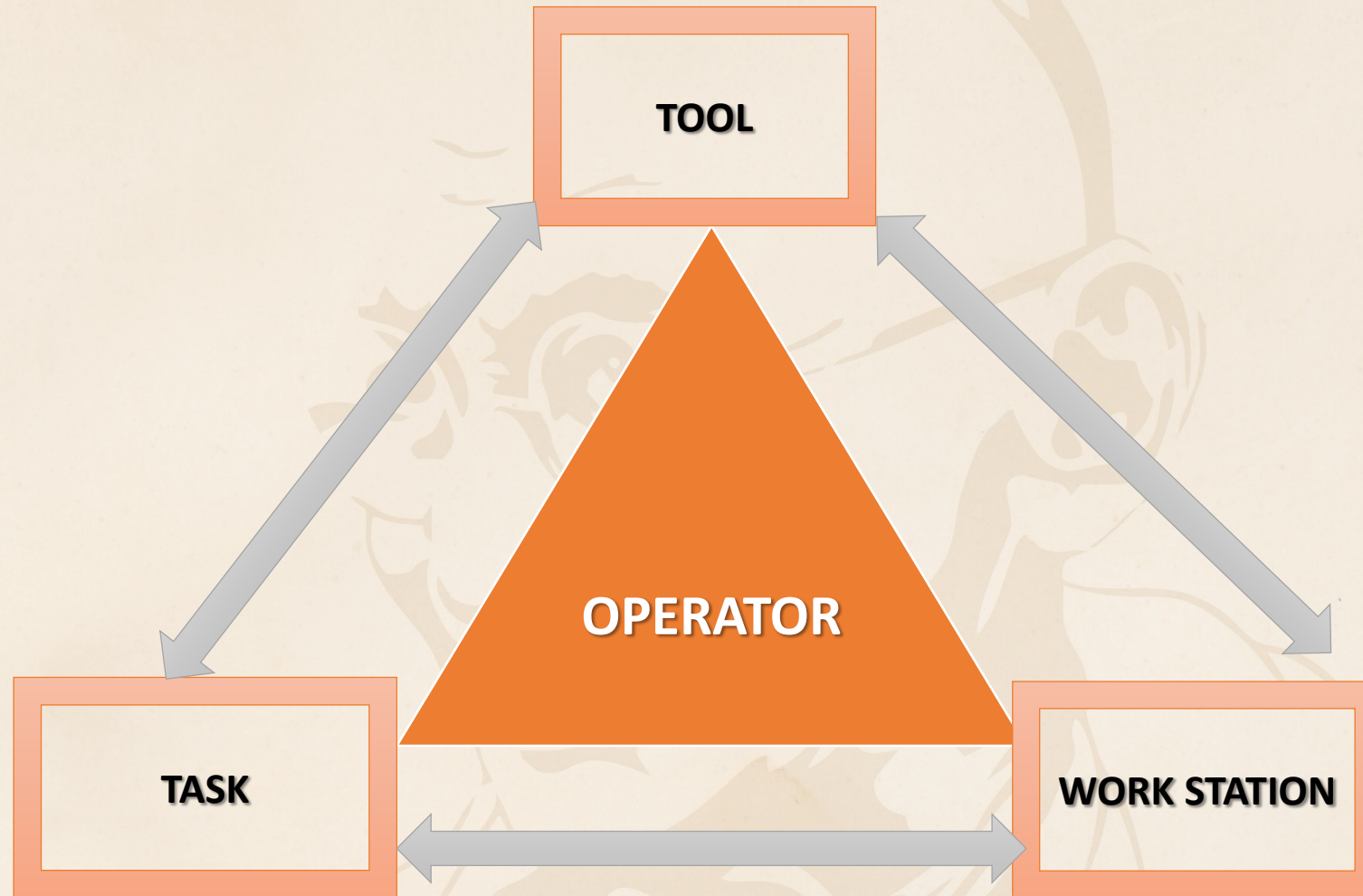
- Occupational environment is sum of the external conditions & influences which prevail at the place of work & which have a bearing on the health of working population

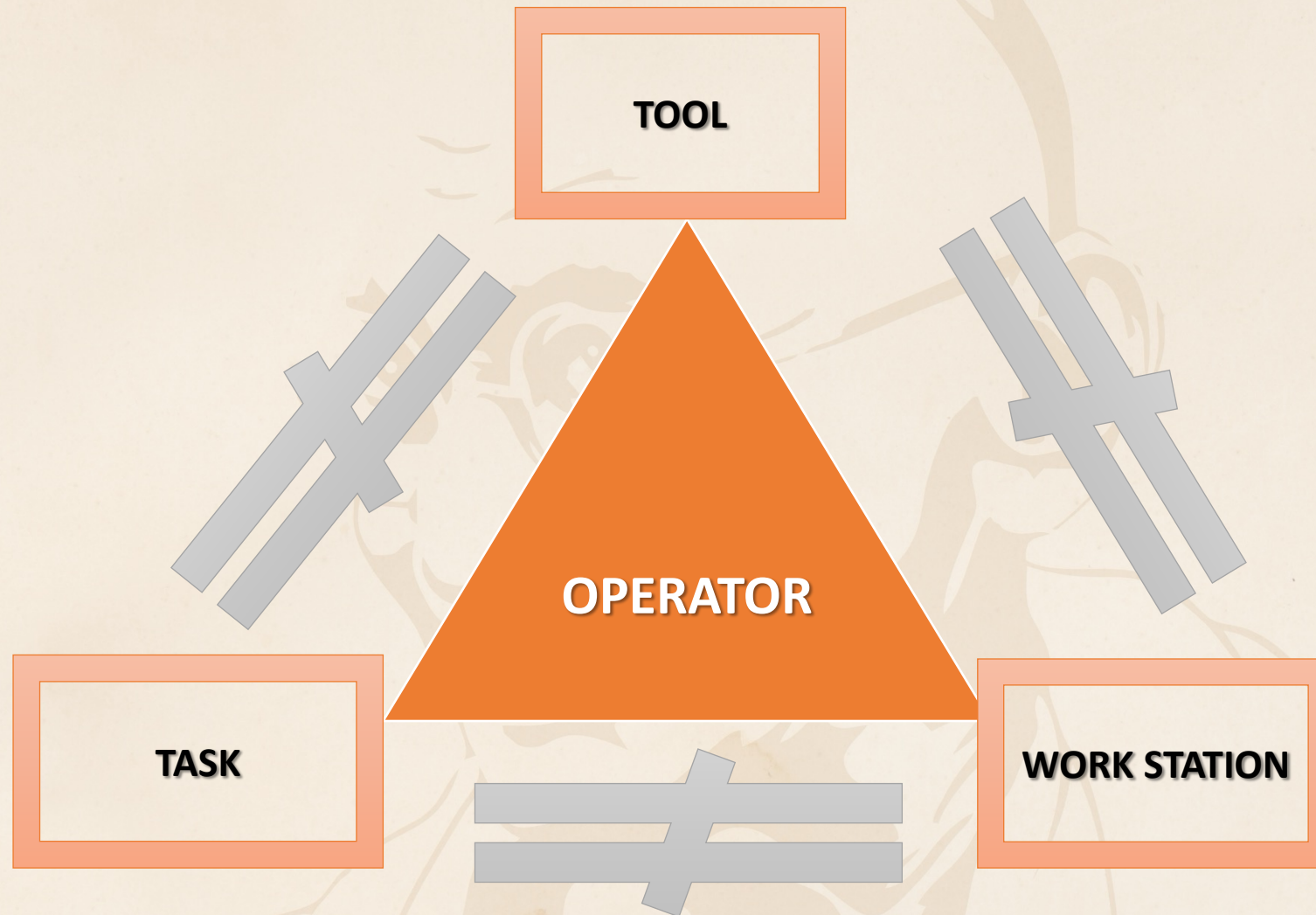
TYPES OF ENVIRONMENT



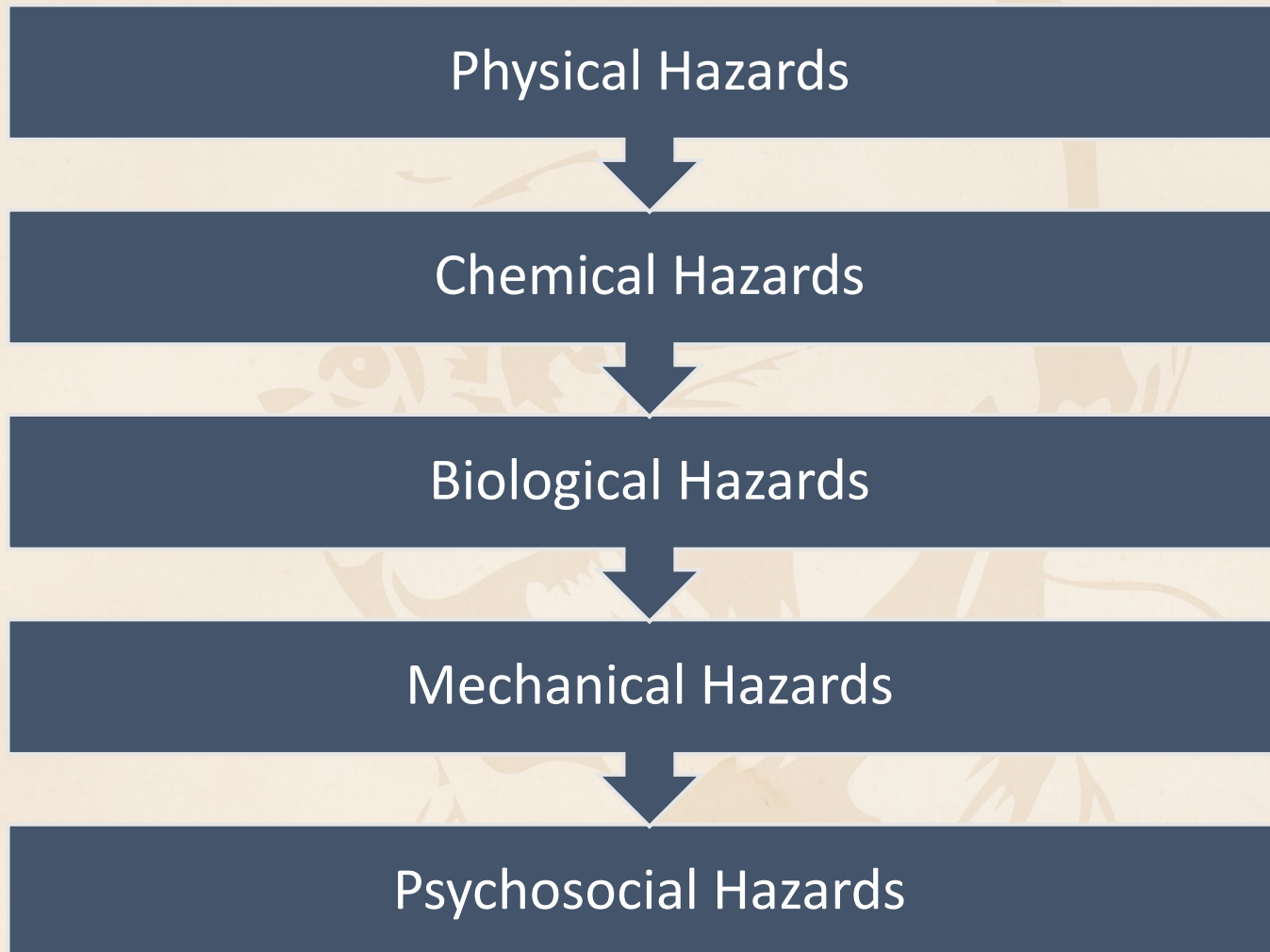
REASONS FOR OCCUPATIONAL HEALTH HAZARDS

FOR A OCCUPATIONAL WELL BEING





TYPES OF OCCUPATIONAL HEALTH HAZARDS



IMPACT OF OCCUPATIONAL HEALTH HAZARDS

EMPLOYEE

LOSS OF INCOME

Occupational Health Hazard

Loss of occupation

Reduction of family income

Increase of financial burden

COST OF INJURY

Occupational Health Hazards

Reduction of family income

Increase of financial burden

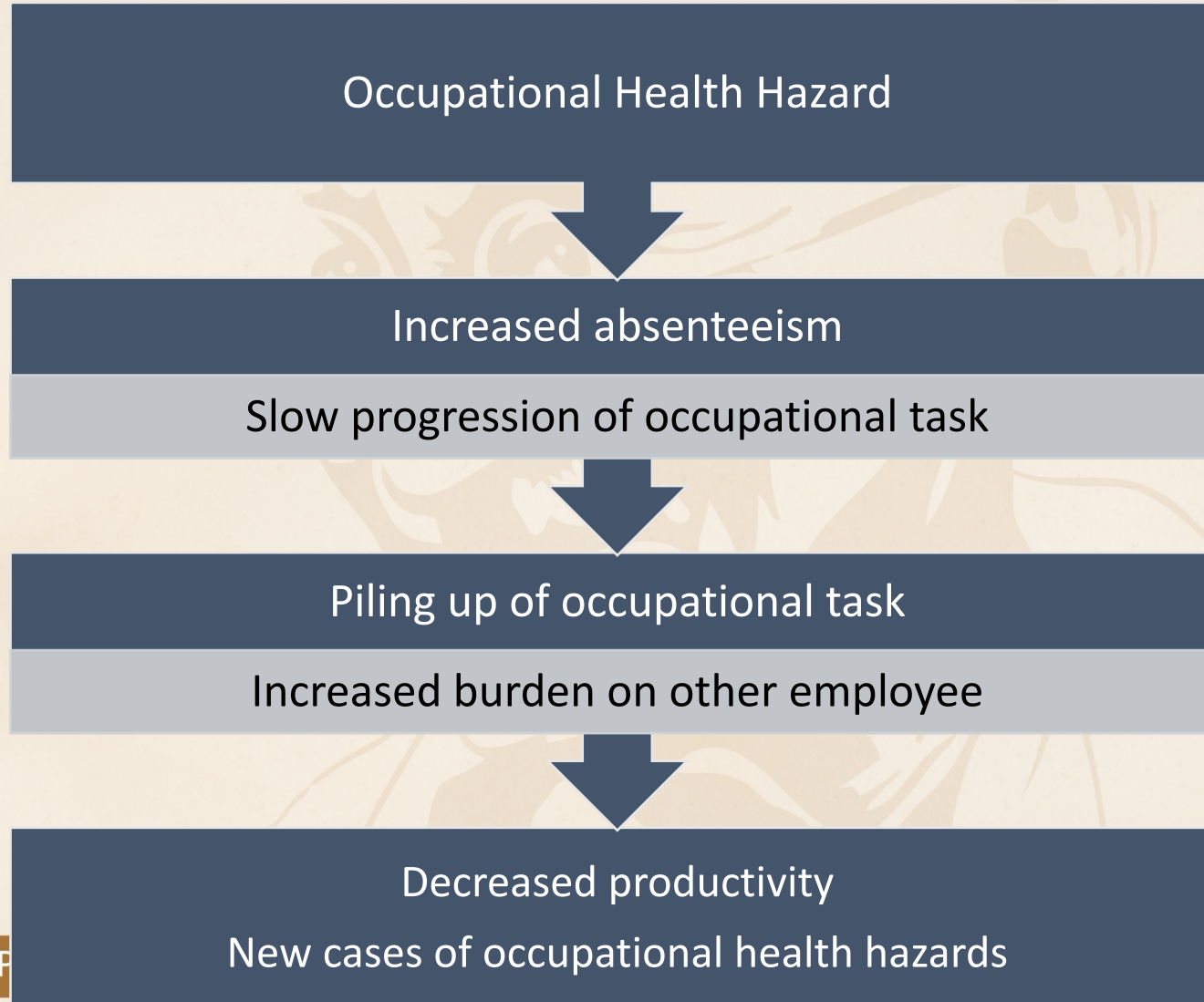
EMPLOYER

REHABILITATION OF EMPLOYEE

Occupational Health Hazard

Part or whole of expenses of rehabilitation of
affected employee

BURDEN OF WORK



TRAINING EXPENSES

Occupational Health Hazards

Increased absenteeism
Decrease productivity

Training of new employee

THIRD PARTY PAYERS

Occupational Health Hazards

Increased claiming by the employee & employer
for rehabilitation

Loss to third party payers

