

## patho lecture 1

pathology → ancient Greek root  
- suffering ↗ study of.  
- diseases ↗ study of structural & functional changes that underlies the diseases

### Rudolf Virchow

- ↳ Father of modern pathology
- ↳ cellular pathology → All diseases generated at the cellular level.
- ↳ Foundation of modern pathology.
  - understanding the cellular & molecular abnormalities that give rise to diseases.

### Giovanni Margagni

- ↳ physician - Anatomist
- ↳ Father of anatomical pathology.
- ↳ introduced clinico pathology methodology in study of diseases
  - HOW? Correlation clinical finding (sign + symptom) with finding at postmortem examination.

## PATHOLOGY

↳ General pathology  
various diseases, multiple organ /systems  
cell injury, inflammation, neoplasia.

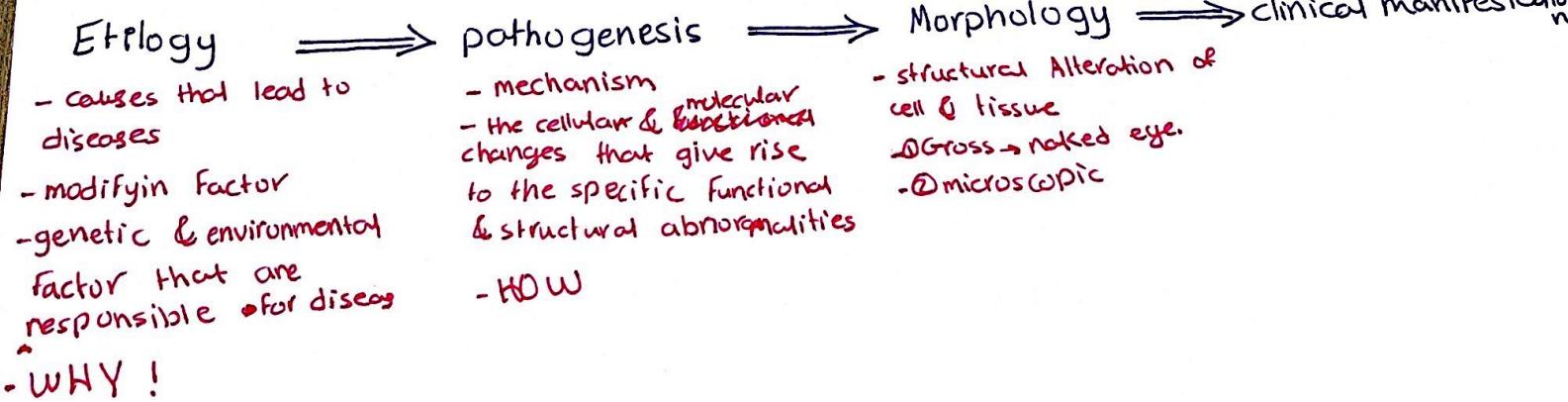
↳ Systematic pathology  
diseases of specific organ/ system

↳ Anatomical pathology

↳ Molecular pathology.

↳ Clinical pathology  
- Hematopathology.  
- Immune pathology  
- Radiation pathology.

## The study of disease include



## PATHOLOGISTS (Take biopsy & resection)

↳ Grussing → processing into parafin block → microtome → H&E stain → diagnoses.