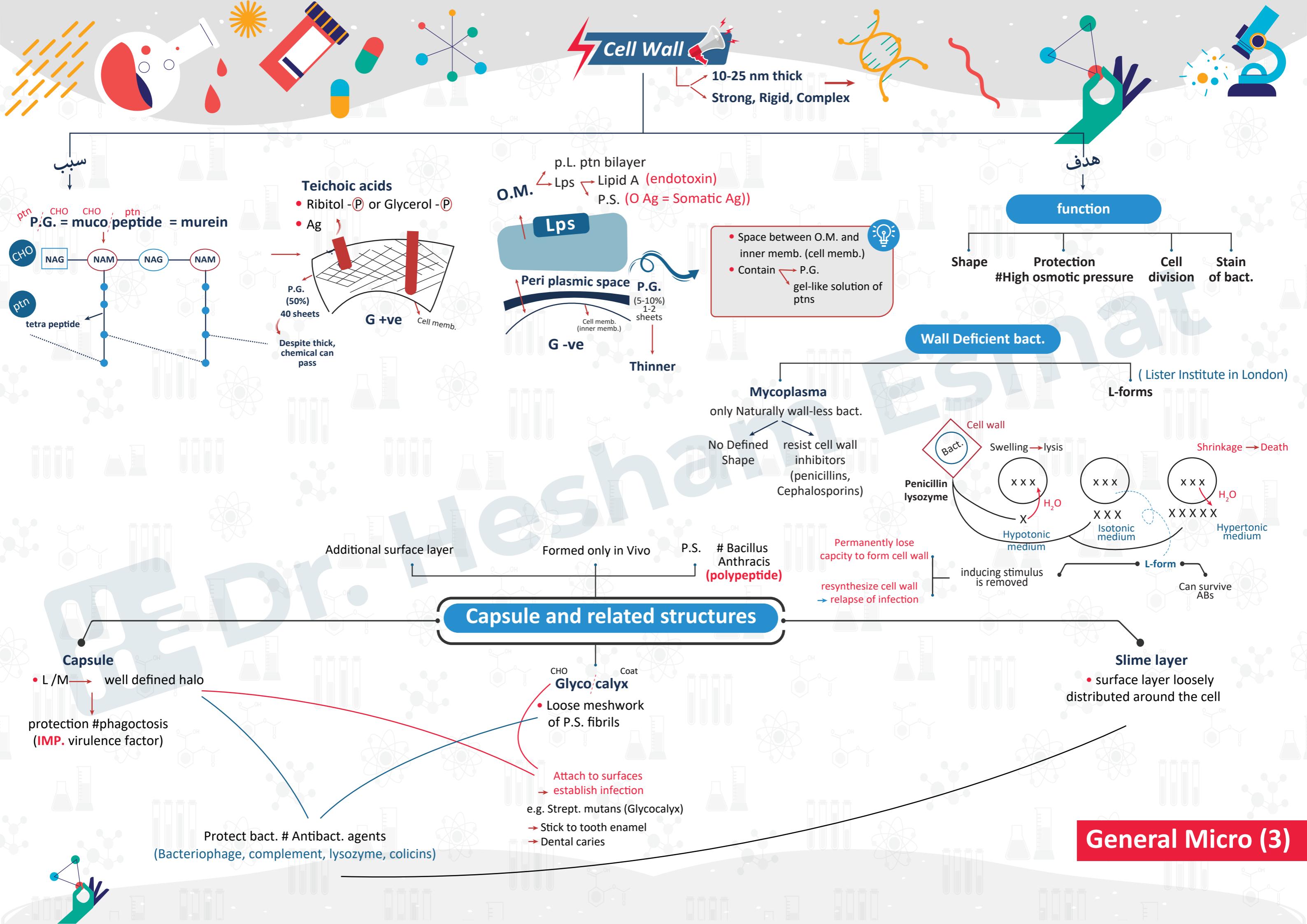


## General Micro (2)

### Functions

- 1 Selective transport**
- Simple diffusion (No carrier, no energy)
  - Facilitated diffusion (Carrier only, no energy)
  - Active transport (Carrier, energy)
- 2 Respiration**
- Contain resp. enz.
- (As mitochondria in eukaryotes)
- 3 Secretion of E.C. enz.**
- Hydrolytic ( Digestive )
  - Large → Small subunits
  - Destroy harmful chemicals ( Penicillin degrading enz )
- 4 Cell wall synthesis**
- Enz. → Cell wall synthesis
  - Carrier lipids → Cell wall subunits are assembled
- 5 Reproduction**
- Specific ptn attached to DNA → Separate duplicated chromosomes
  - Septum formation
- 6 Chemotactic system**
- Attractant and repellants
  - Specific receptor
  - Signal to cell interior
  - cell respond to surface message



## Bacterial Spore (endospore)

