Classification of ER (Basis - presence of vibalone) ER Junes

Functions of RER protesn by attached robotrome.

4 folding - by chaperone protein in lunen. 4) N- glycosylation, (protest modification) cleavage of signal peptide -> by signal peptidase in lumen. provides processor of lysosomal engines at CB. provides membrane to nucleus. PER Ribosome

RER SER.

NISSIS granules of RER + vibosome

protein glycosylation N- glycosylation 0-glycosylation

In GB. # RER is extensive and generally continuous with outer nuclear membrane and extends upon PM. functions of SER major Site of lipid Synthesis. Synthesis of Sterroidal hormones in animal cells.

Ly sex hormones. -> testosteroone, estrogen, etc. muscle continuetion by whole and release of at when required, ( SER of muscle Eell -) Sarroplesmic reticulum) detoxification of xenobiotics by cyt Paro. myeloid body Ls ser of epithelial cells of retina Ly photo light sensitive.

common function of SER + RER

Act as cytoskeleton.

desmotubule of plasmodesmata

Golgi Apparatus

· called golgi complex, golgi body,

· Discovery:

By Camilo Golgi in 1898.

· Occurrence:

PK -> re

Ex -> tre except mature sieve tube coll and mammalian RRC, sperm of boyophyte and ptersidophyte.

. Zone of exclusion: organette free area around golgs budy. present near nucleus :. Ly GB is a localised organelle. Structure of GB · under e-microscope (18 appears to be densely strined reticular Structure. consist of cisternal 4 Numbers -> many, variable 4) flat, membrane bound disc shaped sacs. 4 diameter -> 0.5 pm - 1.0 pm 4) Stacked parallel to each other. is concentrically assunged near nucleus. 4 Resemble cisternae of SER. # Fungal GB -> 1 assterna -> unicisternal 45.413.

Cos face | Hoars face |

Known as forming . Known as maturing face,
face, convex face. concave face.

Close to nucleus . away from nucleus or ER.

or ER.

Two face of GB are entirely different but interconnected.

There

GB is considered as
polarised organelle.

