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Endoplasmic Reticulum Stress in Drug-Induced Liver Injury and Liver Diseases: An Unlighted Novel Mechanism

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Abstract

The endoplasmic reticulum (<https://www.scitechnol.com/scholarly/cell-organelles-and-components-journals-articles-ppts-list.php>) (ER) is a very important organelle in the eukaryotic cells. It has two types: rough endoplasmic reticulum (rough ER, RER) and smooth endoplasmic reticulum (smooth ER, SER). ER plays a vital role in many cellular processes such as secretory and membrane protein (<https://www.scitechnol.com/scholarly/cell-morphological-and-functional-studies-journals-articles-ppts-list.php>) synthesis, folding, assembly, trafficking and post-modulation (<https://www.scitechnol.com/scholarly/cell-synthesis-journals-articles-ppts-list.php>). The lumen of the ER contains the highest concentration of Ca²⁺ within the cell because of active transport (<https://www.scitechnol.com/scholarly/cell-membrane-and-cell-wall-studies-journals-articles-ppts-list.php>) of calcium ions by Ca²⁺ ATPases and it is a unique environment in which an incredible process of protein quality control checking is performed.

Keywords: Liver Injury; Endoplasmic Reticulum



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(<https://gastrocongress.conferenceseries.com/>)
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