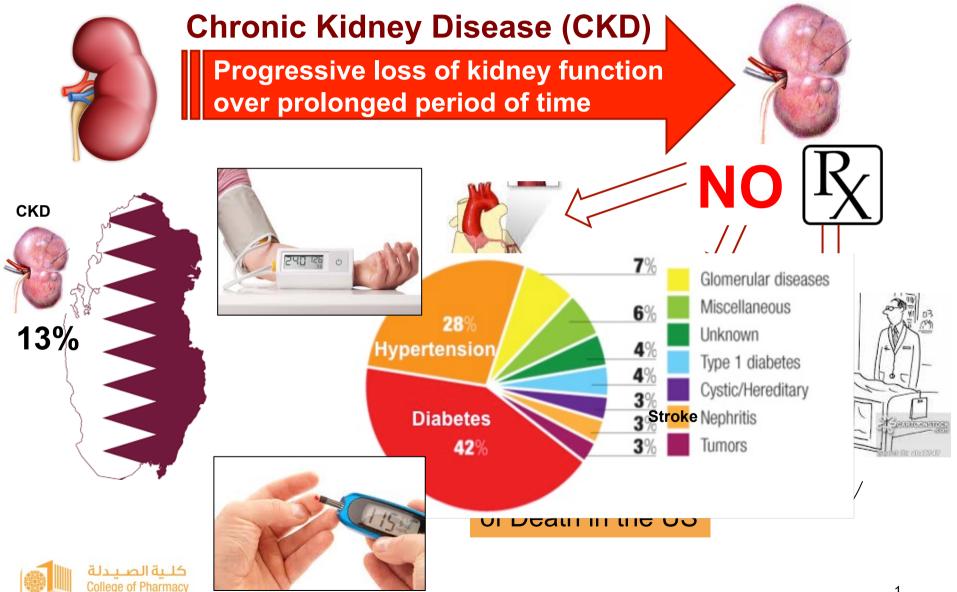
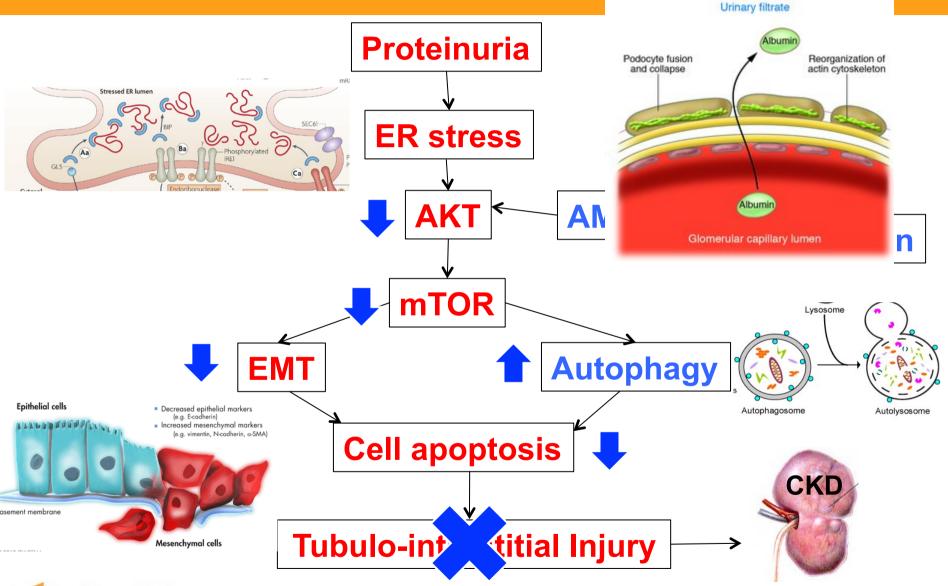
## Soumaya Allouch - ID# 1769 - AMPK Activation Attenuates Albumin-induced Alterations in Renal Tubular Cells In Vitro



## Proteinuria, AMPK and CKD





**mTOR**, mammalian target of rapamycin; **EMT**, epithelial-to-mesenchymal transition; **AMPK**, AMP-activated protein kinase

## Clinical implications

Metformin could be used clinically to activate AMPK in the kidney to prevent the onset & progression of CKD

