

Subject	Staff
CHO metabolism	
digestion, absorption, glucose uptake by tissue	د.اليا شاهين
glycogen metabolism: Glycogenesis , glycogenolysis , regulation glycogen metabolism, glycogen storage disease .	
glucose oxidation (glycolysis/krebs) <ul style="list-style-type: none"> • Glycolysis (def /site/steps/regulation) • 2,3 DPG (formation -clinical significance) • citric acid cycle (def/site/steps) 	د.نورا مصطفى
gluconeogenesis (def/site/steps/regulation)	
Lipid metabolism	
Lipid digestion & absorption	
oxidation fatty acid (beta oxidation -alpha oxidation)	د.الشيمااء مجدي
lipogenesis only	
Protein metabolism	
Protein digestion & absorption	د.رشا موافي
amino acid pool Catabolic pathways of amino acids	د.رندا الجمل
ammonia (source -fate) & nitrogen balance	
Mechanism of hormonal action	
Classification of hormones (chemical nature -mechanism of action)	د.غادة هلال
Molecular biology and genetic control of protein synthesis	

1-organization of eukaryotic DNA	د. مها عثمان
2-DNA replication	د. ولاء عاطف
3-DNA repair	
4-transcription	د. مروة النجدي
5-genetic code and protein synthesis	د. دينا اشرف
6-post translation modification of protein	د. دينا اشرف