

Biochemistry of Carbohydrates and its Metabolism

Lecture	Duration
Carbohydrate Chemistry	
Chemistry of Carbohydrates 01 - Monosaccharides	00:35:29
Chemistry of Carbohydrates 02 - Monosaccharides and Disaccharide	00:39:16
Carbohydrate Metabolism	
Glycolysis	
Glycolysis	
Glycolysis-01	00:23:27
Glycolysis-02	00:24:01
Glycolysis-03	00:21:24
Glycolysis I-01	00:23:27
Regulation of Glycolysis	
Regulation of Glycolysis	00:30:09
TCA Cycle	
TCA Cycle I - Formation of Acetyl CoA	
TCA Cycle I - Formation of Acetyl CoA-01	00:22:45
TCA Cycle I - Formation of Acetyl CoA-02	00:21:03
TCA Cycle II - Oxidation of Acetyl CoA	
TCA Cycle II - Oxidation of Acetyl CoA-01	00:23:29
TCA Cycle II - Oxidation of Acetyl CoA-02	00:25:18
Gluconeogenesis	
Gluconeogenesis-01	00:30:33
Gluconeogenesis-02	00:28:33
Glycogen Metabolism	
Glycogen Metabolism-01	00:24:04
Glycogen Metabolism-02	00:18:45
Glycogen Metabolism-03	00:17:49
Glycogen Metabolism-04	00:17:33
HMP Shunt	
HMP Shunt-01	00:16:22
HMP Shunt-02	00:20:47
HMP Shunt-03	00:14:11
Uronic Acid Pathway	
Uronic Acid Pathway	00:12:47
Fructose and Galactose Metabolism	
Metabolism of Fructose Mannose Galactose and Lactose	00:23:35
TCA Cycle II - Oxidation of Acetyl CoA	
TCA Cycle II - Oxidation of Acetyl CoA-01	00:23:29
TCA Cycle II - Oxidation of Acetyl CoA-02	00:25:18
Metabolism of Fructose	
Metabolism of Fructose, Mannose, Galactose and Lactose	00:23:35

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Lecture	Duration
Oxidative Phosphorylation	
Oxidative Phosphorylation	00:36:47
Mucopolysaccharides	
Mucopolysaccharides	00:27:02
Mucopolysaccharides_Revision	00:04:36