Mindluster Platform

About the course Amino Acid metabolism

Course Presenter : Bio science

Amino Acid metabolism, in this course Start the Amino Acid Metabolism Course and explore the biochemical pathways that govern the breakdown, synthesis, and transformation of amino acids in the body. In this course, we will learn about essential and non-essential amino acids, transamination and deamination reactions, the urea cycle, and how amino acids contribute to energy production. You'll understand how specific amino acids like phenylalanine, tyrosine, methionine, and tryptophan are metabolized and how their pathways influence hormone synthesis, neurotransmitters, and detoxification. Weâ€™ll also cover the differences between glucogenic and ketogenic amino acids and the significance of branched-chain amino acids. Additionally, the course highlights clinical disorders like phenylketonuria and maple syrup urine disease. This course is ideal for biology, biochemistry, or medical students who want a deep understanding of protein metabolism. Letâ€™s begin our journey into the world of amino acid metabolism. Bio science

Medical Category's Courses

Course Lesson(14)

Lesson 1 : **Beta oxidation of Fatty acids Energetics By phanindra**

Lesson 2 : **TCA cycle WITH STRUCTURES l Krebs cycle Citric acid cycle CAC Energetics Regulation**

Lesson 3 : **Gluconeogenesis Cori s cycle Regulation**

Lesson 4 : **Catabolism of Aminoacids Degradation Glycogenic and Ketogenic Aminoacids**

Lesson 5 : **Urea cycle and it s Regulation Integration with TCA Krebs cycle**

Lesson 6 : **Decarboxylation of Aminoacids Aminoacids metabolism**

Lesson 7 : **Deamination Oxidative and non oxidative deamination**

Lesson 8 : **Ketogenesis Metabolism and degradation Energetics**

Lesson 9 : **CALVIN CYCLE C3 CYCLE BY PHANINDRA GUPTA**

Lesson 10 : **Structural pathway of Glycolysis EMP pathway By Phanindra guptha**

Lesson 11 :
Strecker synthesis Synthesis of Glycine Alanine valine and Leucine Synthesis of aminoacids

Lesson 12 :
Amination of Alpha halogenic acids Synthesis of Alanine Glycine Valine and Leucine Bio science

Lesson 13 : **Classification of aminoacids Based on their nature and functions Organic biochemistry**

Lesson 14 : **BIO science Trailer Here is the trailer and details of my channel**

Related courses

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