



Aakash
PG Plus

BIOCHEMISTRY

NEET PG 2021

RECALL QUESTIONS AND ANSWERS

Q 1. A patient developed colorectal adenomas. He was diagnosed with hereditary non polyposis colorectal cancer. What is the deranged repair mechanism responsible for hereditary non polyposis colorectal cancer?

- a. Base excision repair
- b. Nucleotide excision repair
- c. Mismatch repair
- d. Double strand break

Q 2. A patient presented to the clinic with tendon xanthomas. Both, Total serum cholesterol and LDL were raised in the patient. He was being treated with statins for this condition. What would be the diagnosis?

- a. Dysbetalipoproteinemia
- b. Tangier disease
- c. Familial Hypercholesterolemia
- d. Abetalipoproteinemia

Q 3. An alcoholic patient presented with skin lesions as shown in the image. He was having diarrhoea and dementia as well. Which nutrient needs to be supplemented in this case?

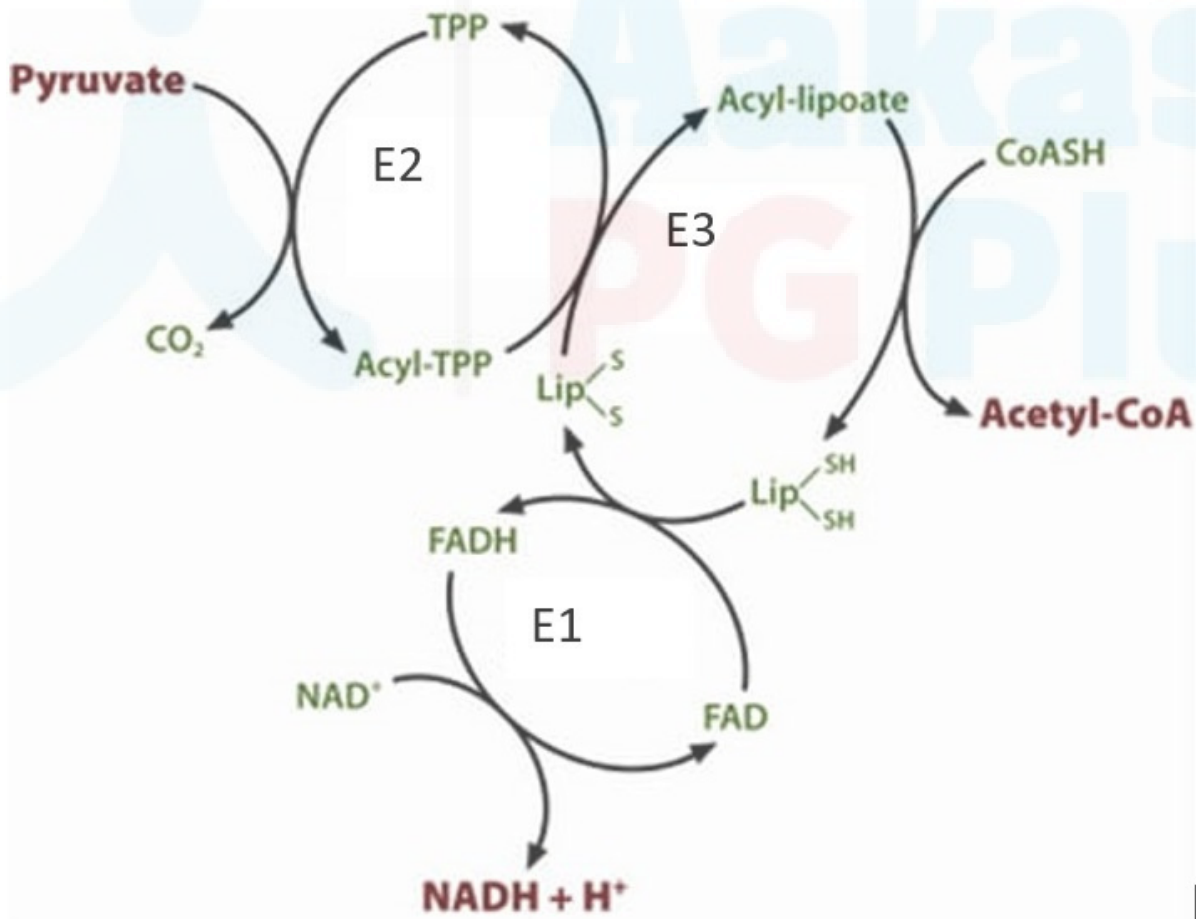


- a. Folic acid
- b. Niacin
- c. Vitamin B1
- d. Vitamin B6

Q 4. Name the GAG responsible for transparency of cornea?

- a. Keratan sulphate
- b. Chondroitin sulphate
- c. Hyaluronic acid
- d. Heparan sulphate

Q 5. What are the enzymes labelled as E2 and E3 in the image shown below?



- a. Pyruvate dehydrogenase and Dihydrolipoyl dehydrogenase Pyruvate
- b. decarboxylase and Dihydrolipoyl dehydrogenase
- c. Pyruvate dehydrogenase and Dihydrolipoyl transacetylase
- d. Pyruvate transacetylase and Dihydrolipoyl dehydrogenase

Q6. Deficiency of Cystathionine beta synthase was detected in a genetic study of a baby, who also had dislocated lens, tall stature and thing long fingers. What needs to be supplied in the diet to overcome this?

- a.Tyrosine
- b.Serine
- c.Cysteine
- d.Methionine

Q 7. A person, who had dinner at 8.00 pm, gave his blood sample for glucose at 7.00 am next day. What is the source of energy to the body during this period?

- a.Gluconeogenesis
- b.Glycolysis
- c.Muscle glycogenolysis
- d.Hepatic glycogenolysis

Answers

- 1.C
- 2.C
- 3.B
- 4.A
- 5.C
- 6.C
- 7.D

