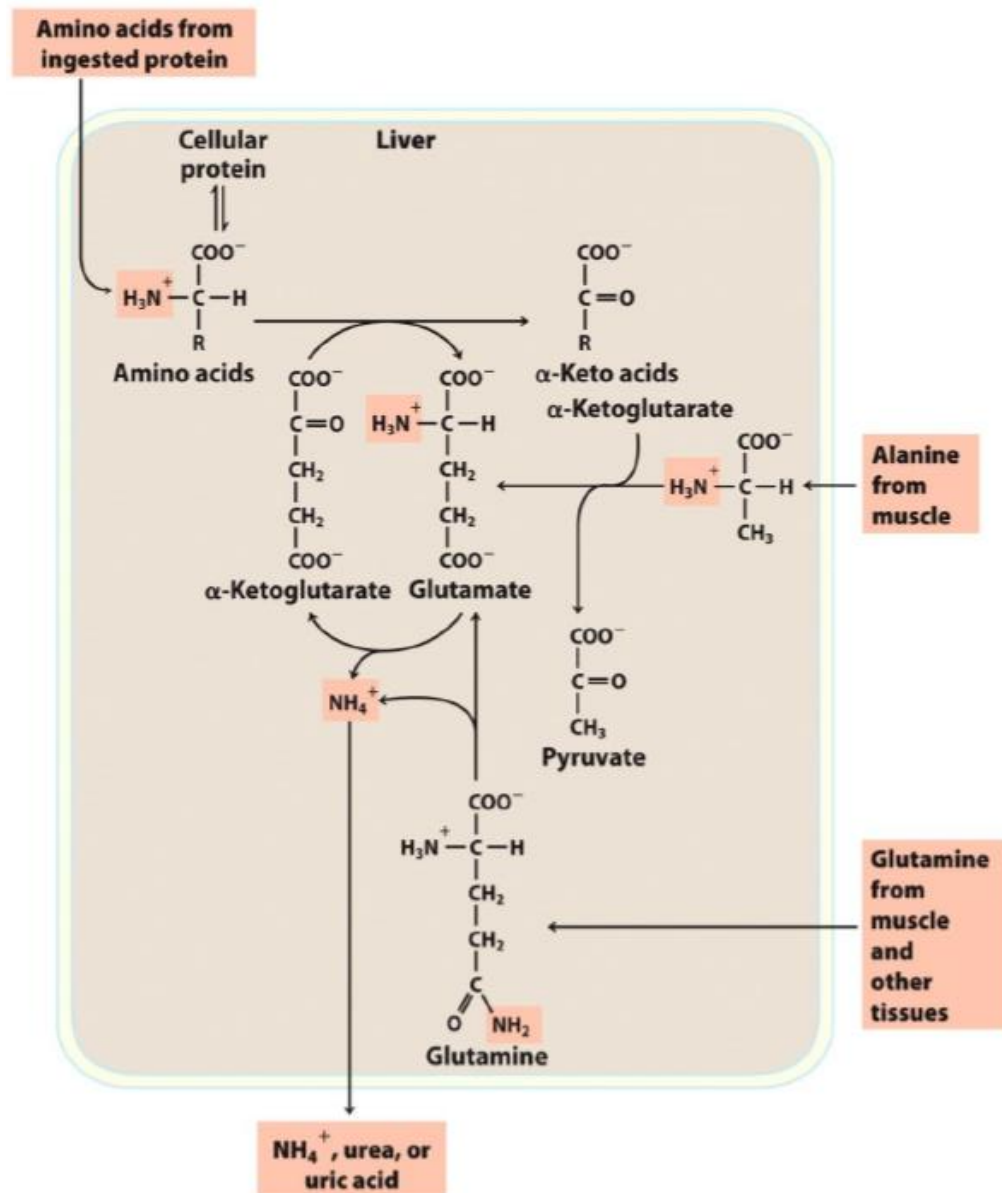


Glu – Glu cyclus



Figuur 1: Amino group catabolism. Overview of catabolism of amino groups in vertebrate liver.

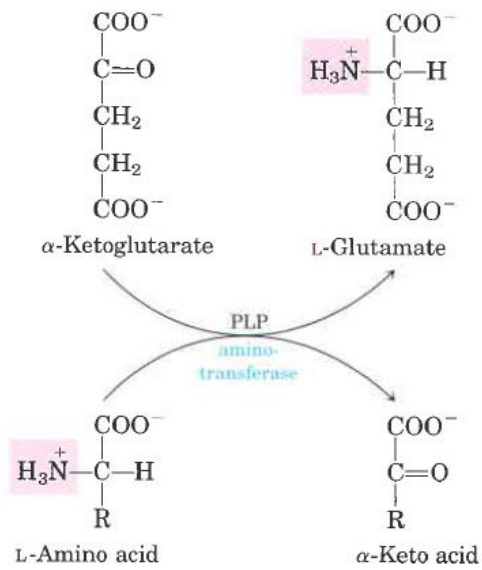


Figure 2: Enzyme catalyzed transaminations.

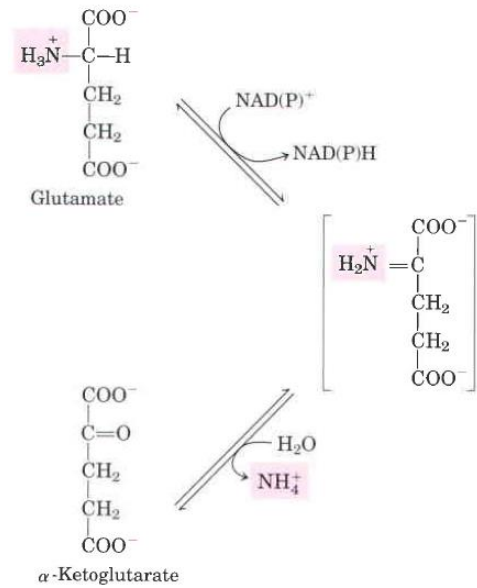


Figure 3: Reaction catalyzed by glutamate dehydrogenase.

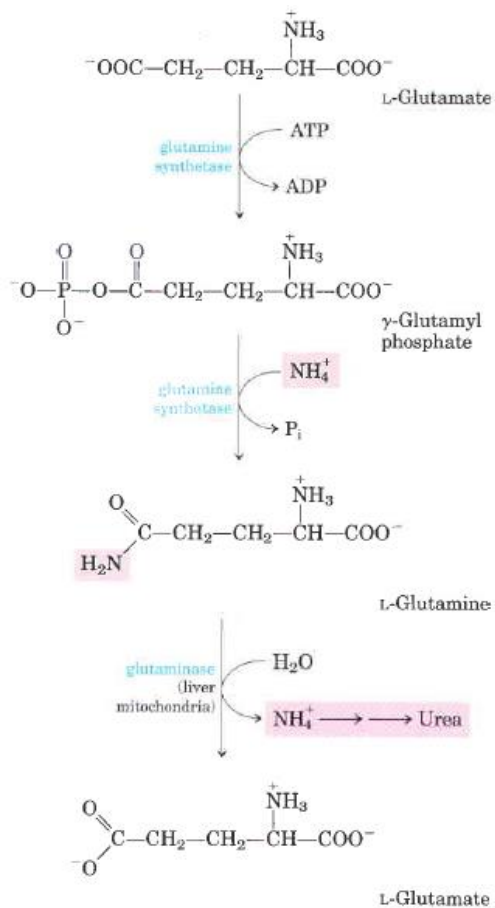


Figure 4: Ammonia transport in the form of glutamine.

Glucose – Alanine cyclus

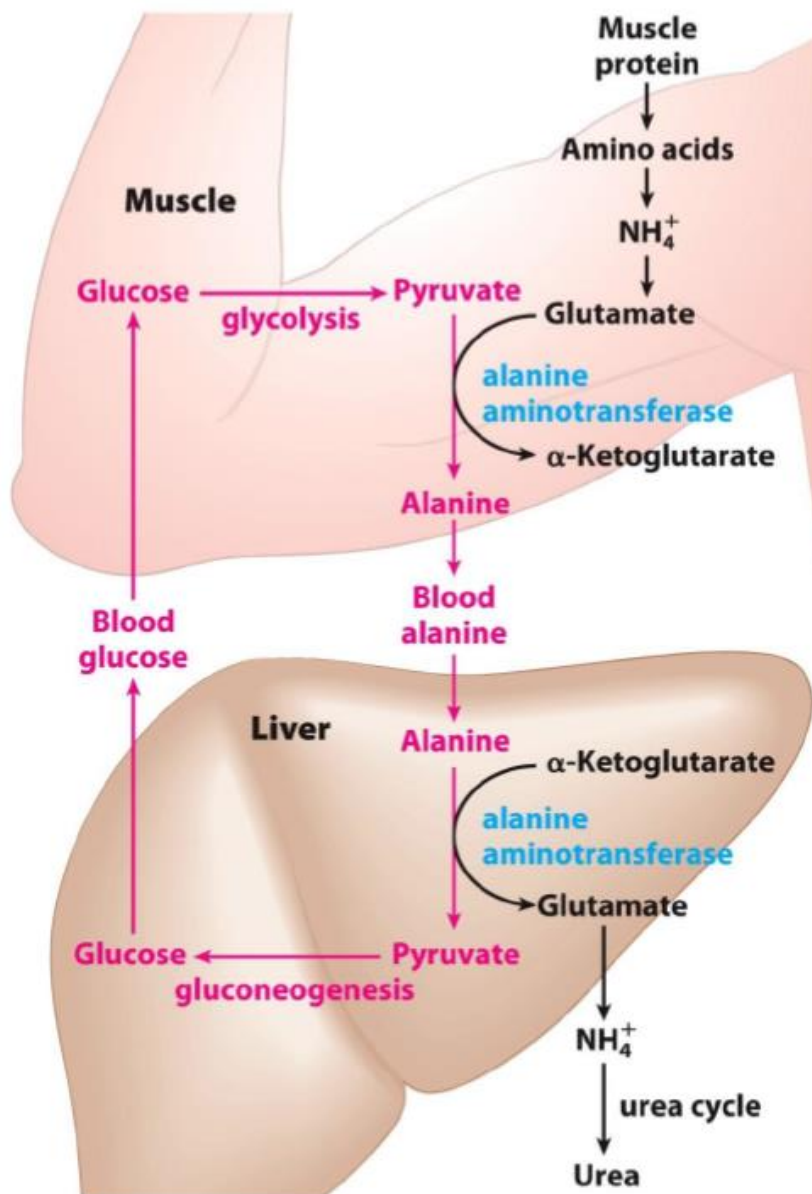


Figure 5: Glucose-alanine cycle. Alanine serves as a carrier of ammonia and of the carbon skeleton of pyruvate from skeletal muscle to liver. The ammonia is excreted and the pyruvate is used to produce glucose, which is returned to the muscle.