PROTEIN CATABOLISM
AND
FATES OF AMINO ACIDS

DIETARY PROTEINS

Digestion and
Absorption

AMINO ACID POOL

Deamination
Transamination

Body
Proteins

Dietary Proteins

Hormones,
Active Amines,
Sphingosine,
Purines,
Pyrimidines,
Creatine

Deamination
Transamination

Asp or
other alpha-
KETO ACID

OAA or
other alpha-
KETO ACID

NH₄⁺

alpha-KETO ACIDS

Porphyrrins

Heme
Groups

Bilirubin

UREA

Excretion
in
Urine

Glucogenic
Skeletons

Ketogenic
Skeletons

Glucose

P.D.C.

ACETYL-CoA

Ketogenesis

KETONE
BODIES