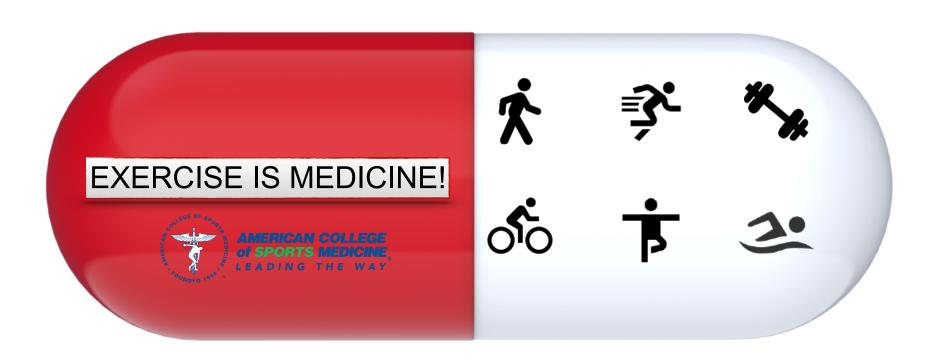
The good news





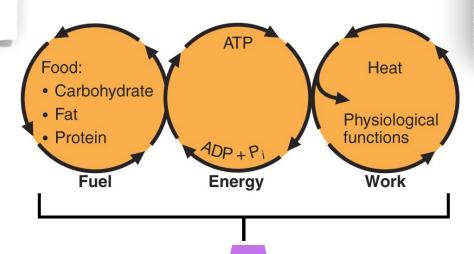
Essential concepts

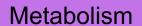
Anabolism:

Process of making larger molecules from smaller ones (e.g. glucose to glycogen)

USES energy



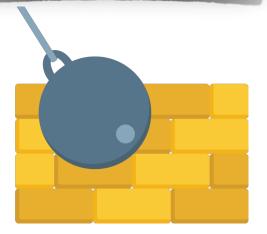




Catabolism:

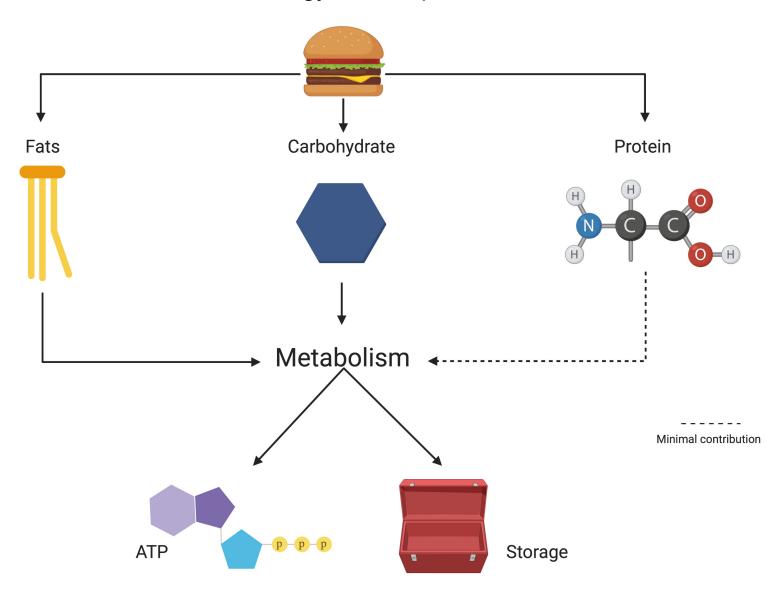
Process of breaking down larger molecules to make smaller ones (e.g. glycogen to glucose)

RELEASES energy





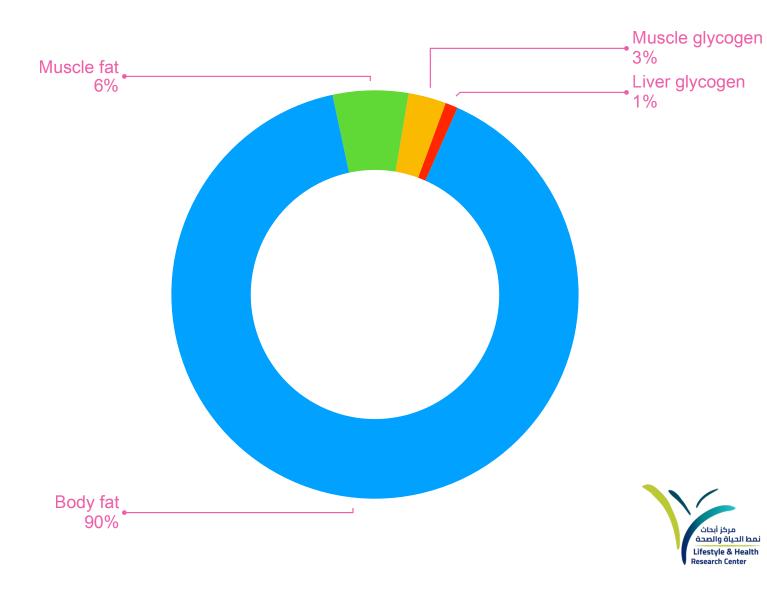
Energy consumption



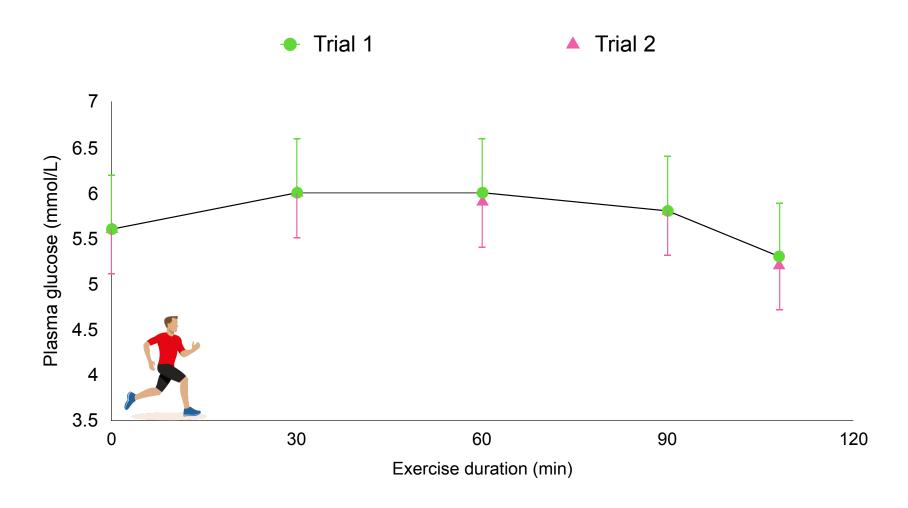
CHO & fat stores in the body

Fuel Type	Mass (g)	Available energy (kcal)
Liver glycogen	100	400
Muscle glycogen	400	1600
Blood glucose	15	60
Fat	10,500	93,000

Based on 70 g individual with 15% body fat

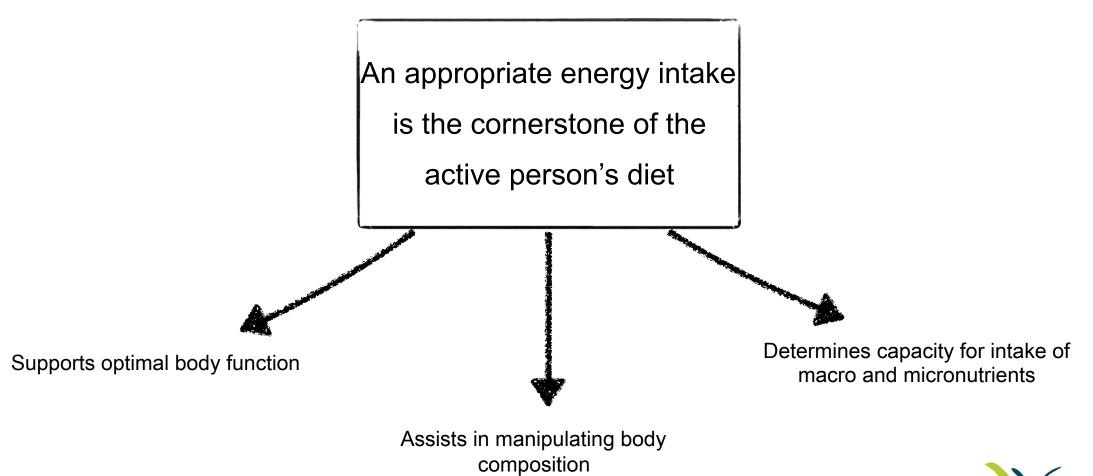


Is hypoglycemia a cause of fatigue in running?

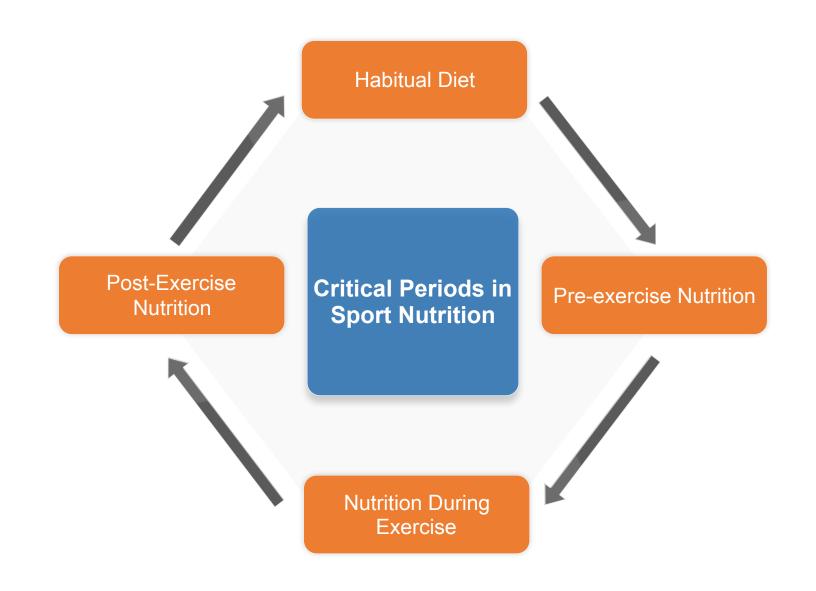




Energy requirements, energy balance and energy availability









Nutrition recommendations for short-term recovery from glycogen depleting exercise

