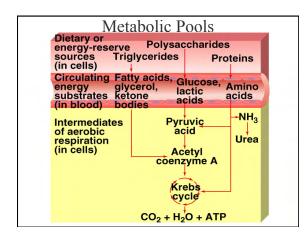
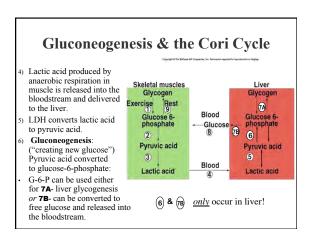


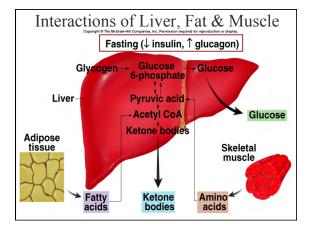


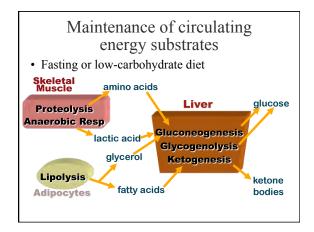
Table 5.3Relative Importance of DifferentMolecules in the Blood with Respect to theEnergy Requirements of Different Organs

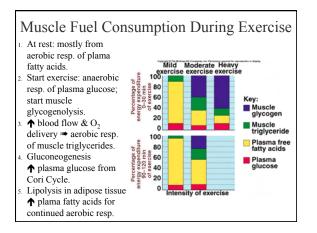
Organ	Glucose	Fatty Acids	Ketone Bodies	Lactic Acid
Brain	++++	-	+	-
Skeletal muscles (resting)	+	+++	+	-
Liver	+	++++	++	+
Heart	+	++	+	+

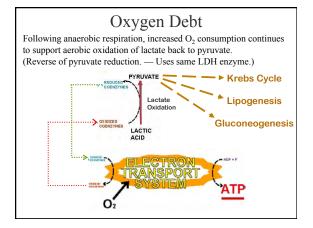


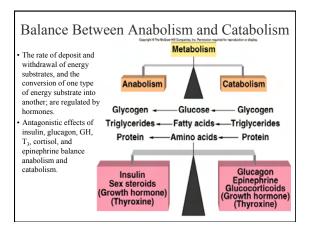


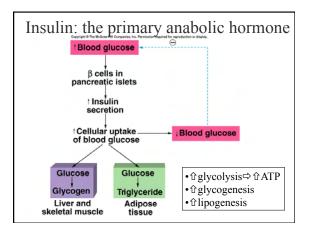


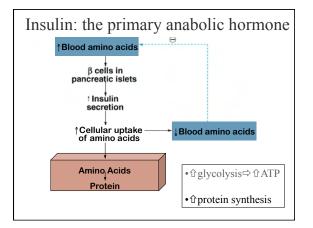


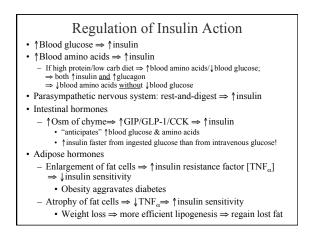


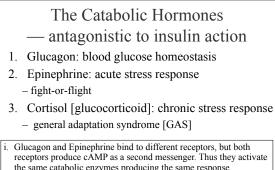


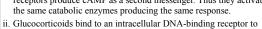




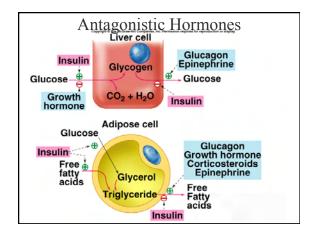


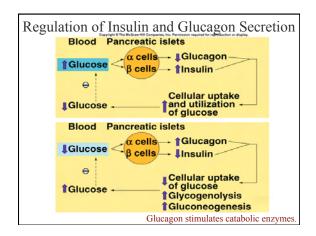


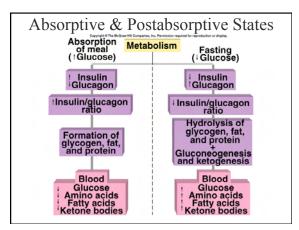


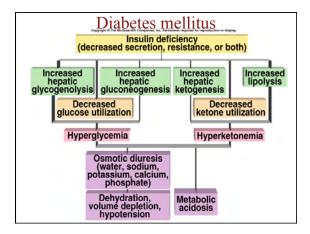


activate genes for a long-term response.









Diabet	tes Mellit	us:			
Type I: de	struction of B-	islet cells \Rightarrow in	sulin deficiency		
			s ⇒ insulin resista		
	Table 19.6 Comparison of Type 1 and Type 2				
	Diabetes Mellitus				
	Feature	Type I	Type 2		
ī	Jsual age at onset	Under 20 years	Over 40 years		
C.	Development of symptoms	Rapid	Slow		
F	Percentage of diabetic population	About 10%	About 90%		
C	Development of ketoacidosis	Common	Rare		
,	Association with obesity	Rare	Common		
ŧ	Beta cells of islets (at onset of disease)	Destroyed	Not destroyed		
1	nsulin secretion	Decreased	Normal or increased		
,	Autoantibodies to islet cells	Present	Absent		
,	Associated with particular MHC antigens*	Yes	Unclear		
	Freatment	Insulin injections	Diet and exercise; oral stimulators of insulin sensitivity		

