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Nota di contenuto	Metabolic acidosis; Contents; The hydrogen ion in normal metabolism; Discussion; The techniques and uses of intracellular pH measurements; Discussion; Energy metabolism and cellular pH in normal and pathological conditions. A new look through <sup>31</sup> phosphorus nuclear magnetic resonance; Discussion; Acidosis and contractility of heart muscle; Discussion; Lactic acidosis in the brain: occurrence, triggering mechanisms and pathophysiological importance; Discussion; Glutamine metabolism in metabolic acidosis; Discussion; The regulation of ketogenesis; Discussion; General discussion I Fasting and ketone body metabolism Metabolic acidosis in exercise: (i) The fate of carboxylate ions during exercise; (ii) Clinical measurements of lactate loads; Preliminary observations on the metabolic responses to exercise in humans, using <sup>31</sup> phosphorus nuclear magnetic resonance; Discussion; Metabolic acidosis and changes in water and electrolyte balance after maximal exercise; Some hormonal influences on glucose and ketone body metabolism in normal human subjects;

Discussion; Effects of free fatty acids, insulin, glucagon and adrenaline on ketone body production in humans; Discussion  
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Discussion; The role of catecholamines in metabolic acidosis;  
Discussion; Acid-base balance in diabetic ketoacidosis; Discussion;  
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Discussion; GENERAL DISCUSSION II  
Regulation of energy metabolism, gluconeogenesis and ketogenesis  
The role of lactate in exercise; The relationship between intracellular and extracellular pH; Hormonal regulation of ketogenesis; Treatment of metabolic acidosis; Chairman's summary; Appendix; Index of contributors; Subject index

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