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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 31phosphorus 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 31phosphorus 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
Quantitative aspects of L(+)-lactate metabolism in human beings
Discussion; The role of catecholamines in metabolic acidosis;
Discussion; Acid-base balance in diabetic ketoacidosis; Discussion;
Isotope turnover studies in uncontrolled diabetes and the effects of insulin; Discussion; Metabolic acidosis in the critically ill; Discussion;
The role of altered lactate kinetics in the pathogenesis of Type B lactic acidosis; Discussion; Organic acidurias: approach, results and clinical relevance; Discussion; Problems in the congenital lactic acidoses;
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
