

# Liver Surgery Approached Through the Mitochondria



Proposed by Dr Ozawa some twenty-five years ago, and now proven to be scientifically correct, the Redox theory states that life is threatened when a decrease in the NAD<sup>+</sup>/NADH ratio of liver mitochondria occurs, accompanied by a concomitant decrease in the arterial blood ketone body ratio. This unique work is a valuable scholarly monograph about the compensatory enhancement of the liver mitochondria, and, as well, develops the evidence that such knowledge can be used to improve clinical care of the surgical patient. It will help specialists around the world to gain a better understanding of mitochondria research based on the redox theory, as it related not only to hepatic surgery and liver transplantation, but also to shock, emergency medicine, nutrition, infection and organ preservation.

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