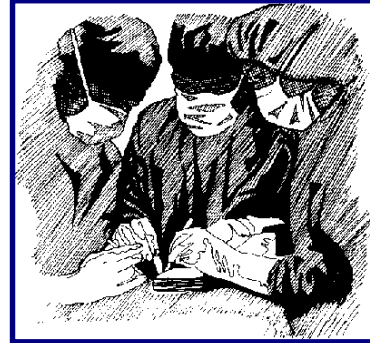# EXSYS Case Study

Respiratory and Anesthesia Monitoring

Rader, Crowe, and Marcott

CAPS combines a pattern-recognition module with a knowledge automation system to characterise and analyse each segment of a capnogram. A capnogram is a carbon dioxide wave form produced by monitoring patient respired gases during surgery. The analysis of the capnogram is used by the expert system to generate a probable diagnosis and to recommend a therapy or equipment adjustments.