Now in its third edition, Dr. Gravlee's text is established as the standard reference on cardiopulmonary bypass. This comprehensive, multidisciplinary text covers all aspects of cardiopulmonary bypass including sections on equipment, physiology and pathology, hematologic aspects, and clinical applications.

This edition features a new section on cardiopulmonary bypass in neonates, infants, and children and a new chapter on circulatory support for minimally invasive cardiac surgery. Other highlights include state-of-the-art information on low-volume circuits and other new equipment and discussions of outcomes data for on-pump and off-pump surgeries.