Clinical Applications of Bone Allografts and Substitutes: Biology and Clinical Applications

This volume provides an international expert evaluation of the current use of bone, bone substitutes and related allografts, and describes up-to-date practices and clinical results in particular procedures.

Although bone allografts were first utilized by McEwen in orthopaedic surgery in 1881, progress since then has been sporadic. With the growth of tissue banks and the greater availability of safe and sterile bone grafts, the pace has now quickened; in 2004, more than one million such grafts were used in the USA alone. However, the practice generally remained a “cottage industry” well into the latter part of the 20th century.

This book will provide a ready reference for readers wishing to carry out an initial survey of the subject and will be especially useful to orthopaedic surgeons who use tissue allografts in bones and related reconstructions.