
The fate of postmortem bone grafts procured from cadavers and transplanted in bony defects were investigated, at intervals of immediate, six hours, and twelve hours after sacrifice. Fresh cadaver grafts were found stable and incorporated after 3–4 weeks simulating fresh viable bone grafts. However, grafts procured at 6 and 12 hours postmortem took much time to be consolidated. Using histologic sections, it was shown also that all grafts were indistinguishable from the host bone after 3 months of grafting procedure. It was concluded that fresh cadaver bone grafts could be safely and successfully used as bone substitutes.