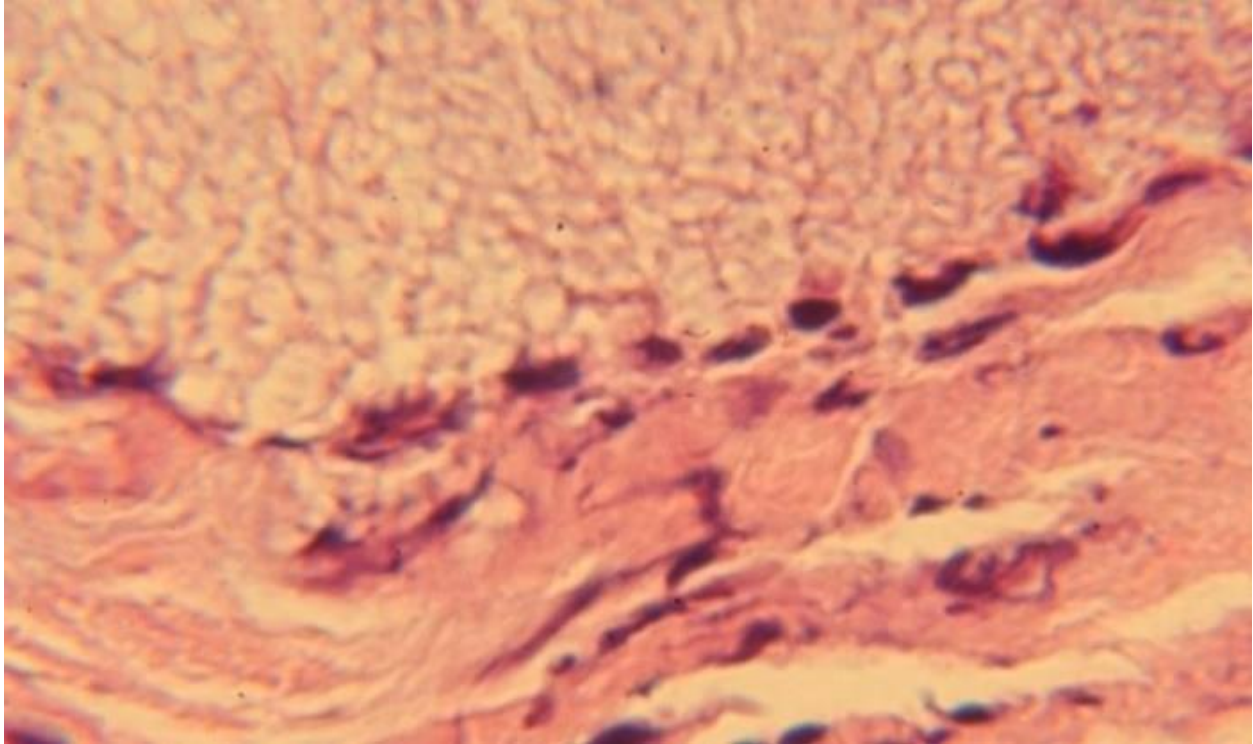


## OsseoConduct™ Histology

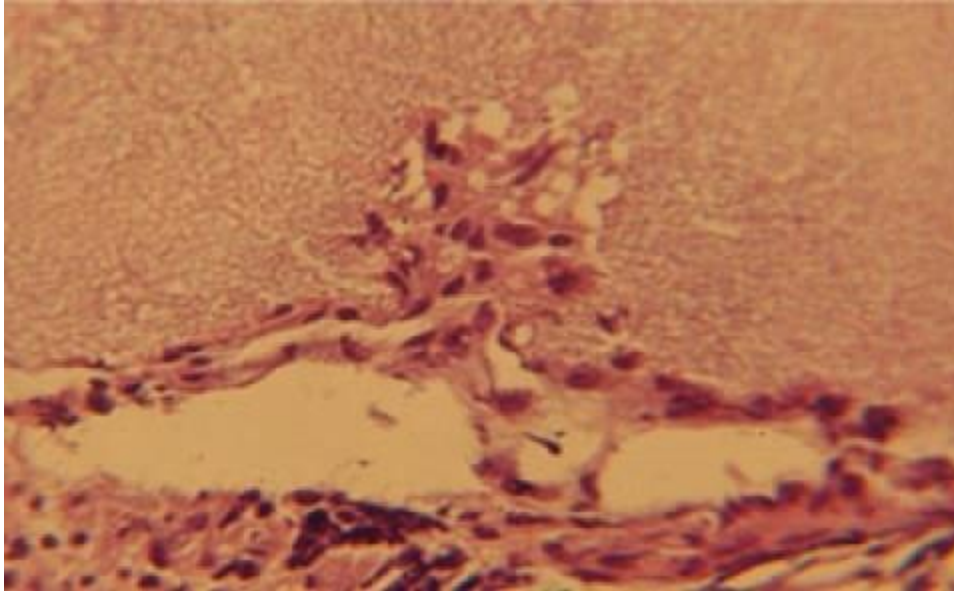


OsseoConduct™ granules undergo a rapid rate of resorption due to its unique physical properties, providing space for ingrowth of mineralized bone. Other resorbable granular bone grafts require osteoclasts for resorption to take place. Osteoclasts exist only in mineralized bone. In order for other bone graft materials to be resorbed, they must be encased in mineralized bone first before absorption can occur. Therefore, the resorption process will take many months or years. OsseoConduct™ granules are able to be

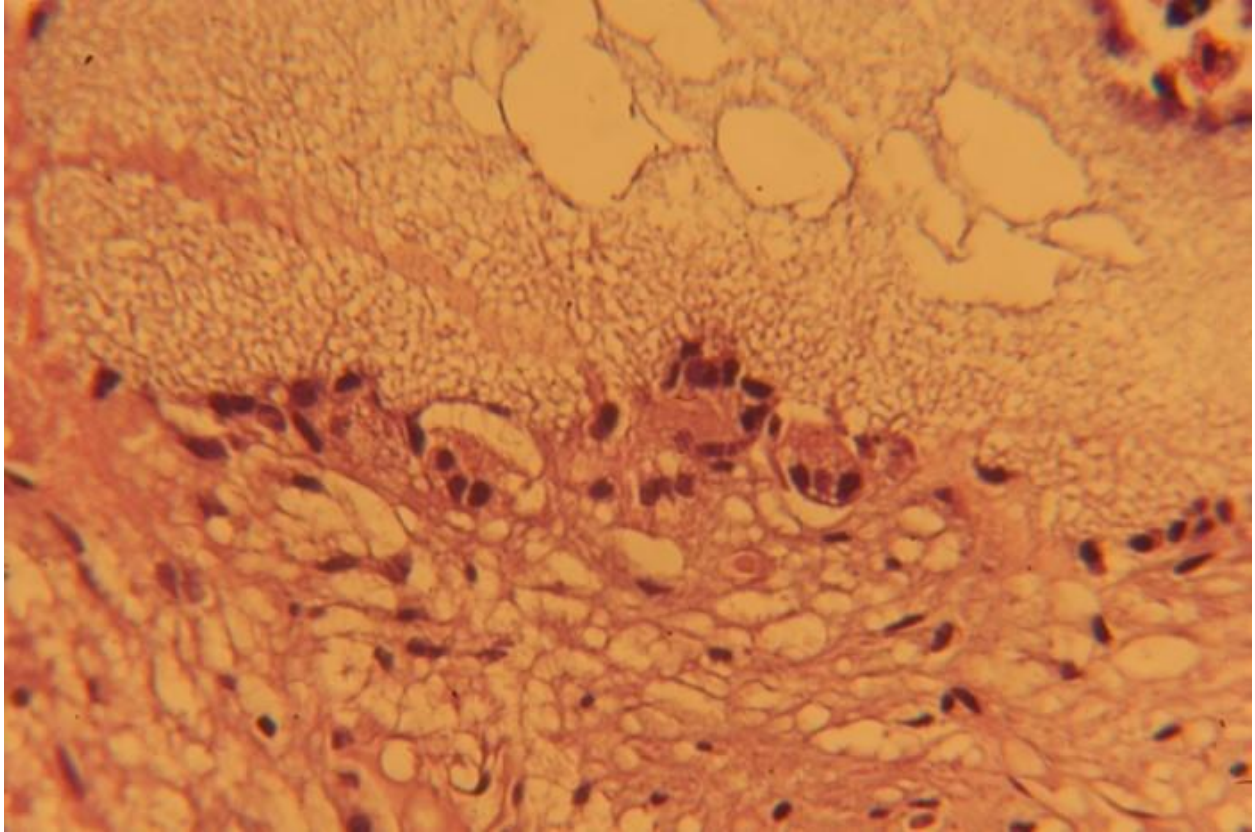
resorbed by monocytes (phagocytes) which are found in soft connective tissue.



Histology of core sample, 40 days  
Monocytes lining and resorbing an OsseoConduct™ granule

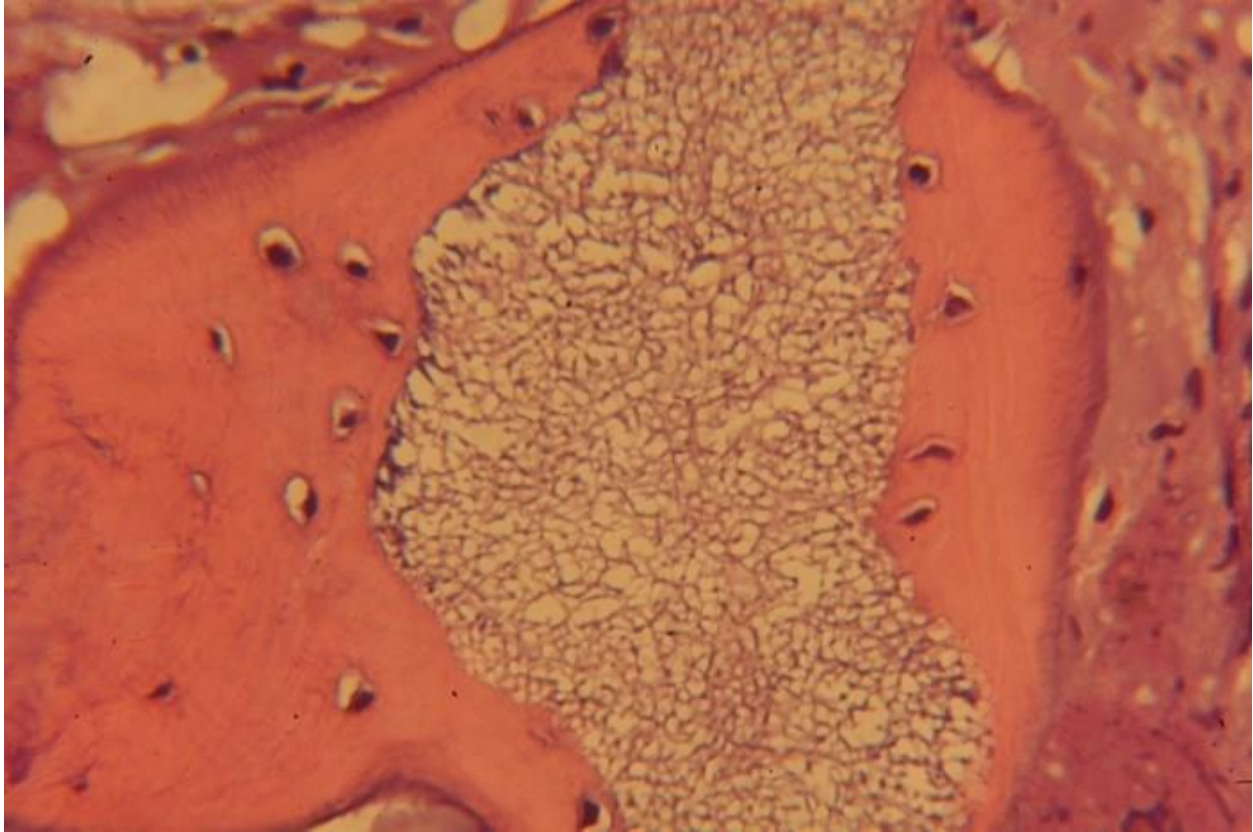


Histology, 40 days  
Monocytes resorbing into an OsseoConduct™ granule

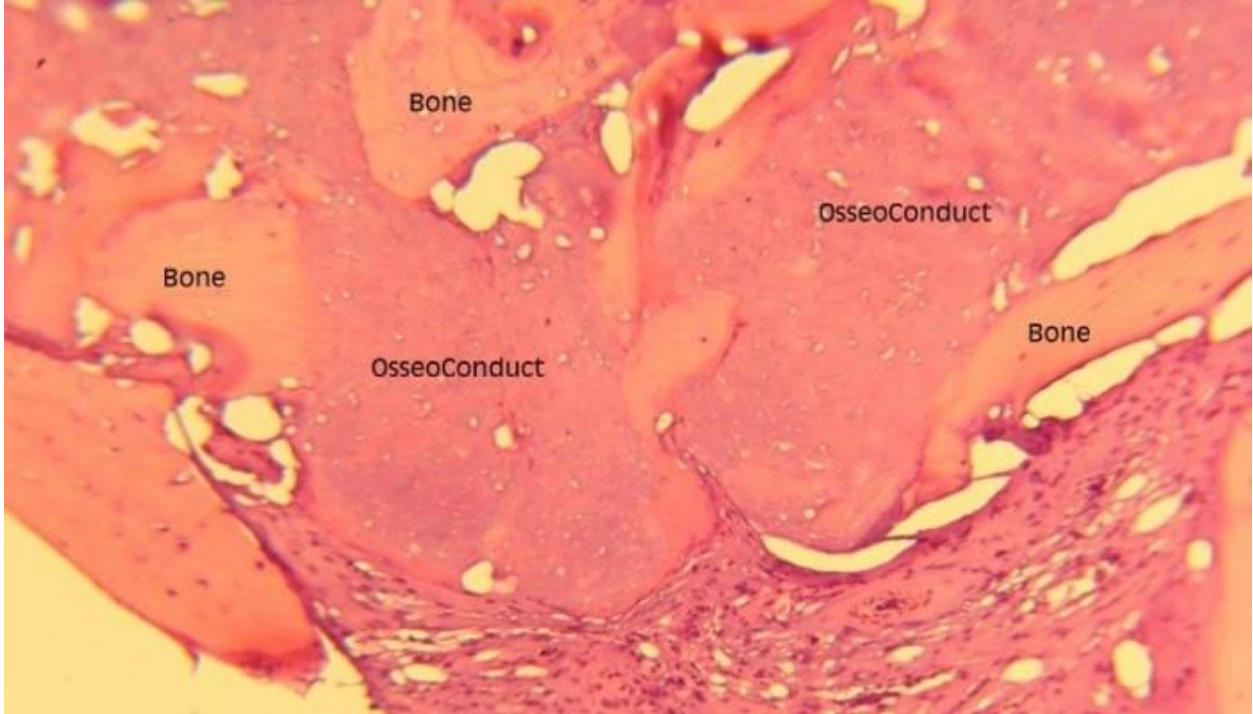


4 months in ridge augmentation

As the graft material becomes bone, the monocytes shown in the previous histology fuse and become osteoclasts as shown in this histology section



4 months ridge augmentation showing osteoconduction



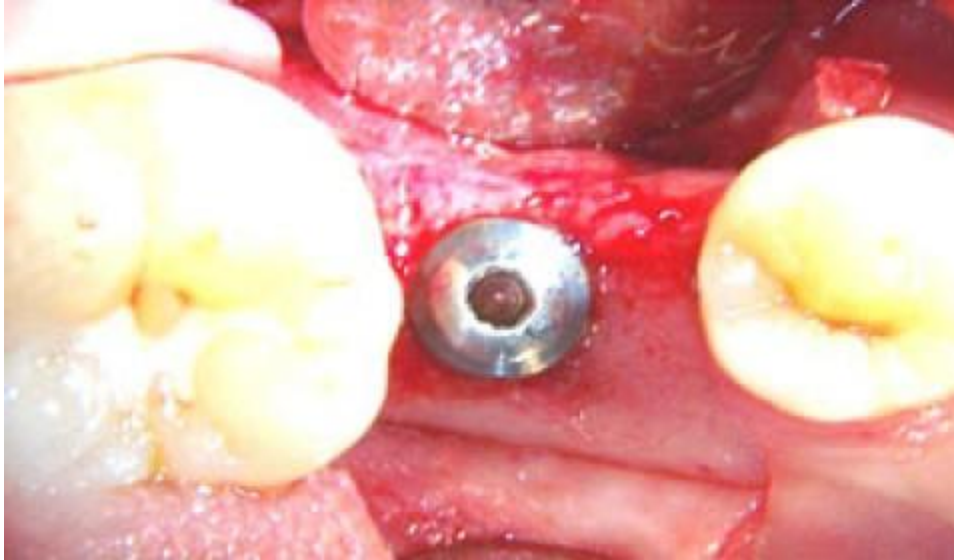
4 months after ridge augmentation with **Ridge Graft Kit™**



Pre op photograph



3-month post op photo prior to implant placement



3 months post augmentation  
Ridge regenerated with Ridge Graft Kit™