Figure 1

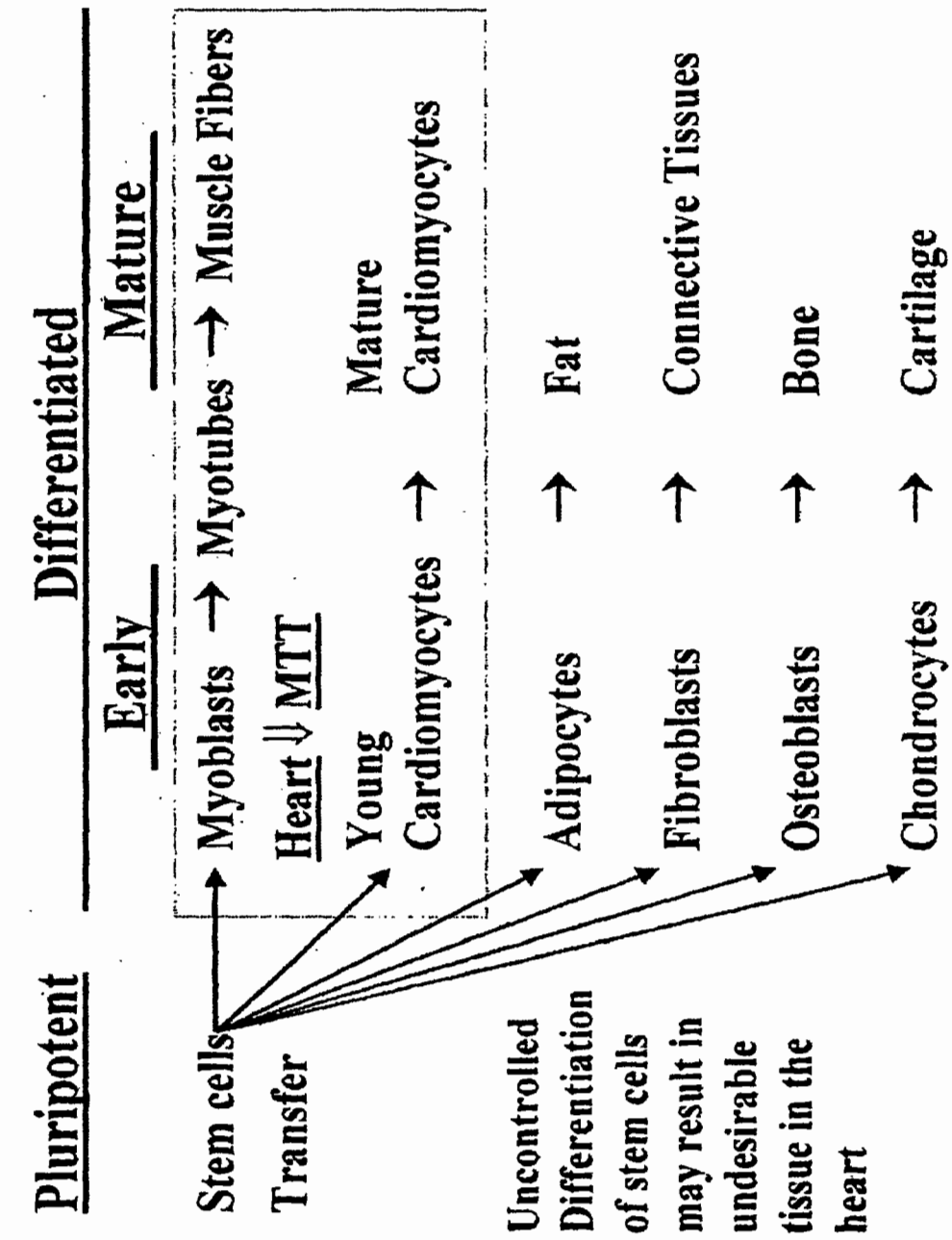

Pluripotent
Differentiated
Early
Mature
Stem cells
Myoblasts → Myotubes → Muscle Fibers
Transfer
Heart ⇓ MTT
Young Cardiomyocytes → Mature Cardiomyocytes
Uncontrolled Differentiation of stem cells may result in undesirable tissue in the heart
Adipocytes → Fat
Fibroblasts → Connective Tissues
Osteoblasts → Bone
Chondrocytes → Cartilage

Figure 2

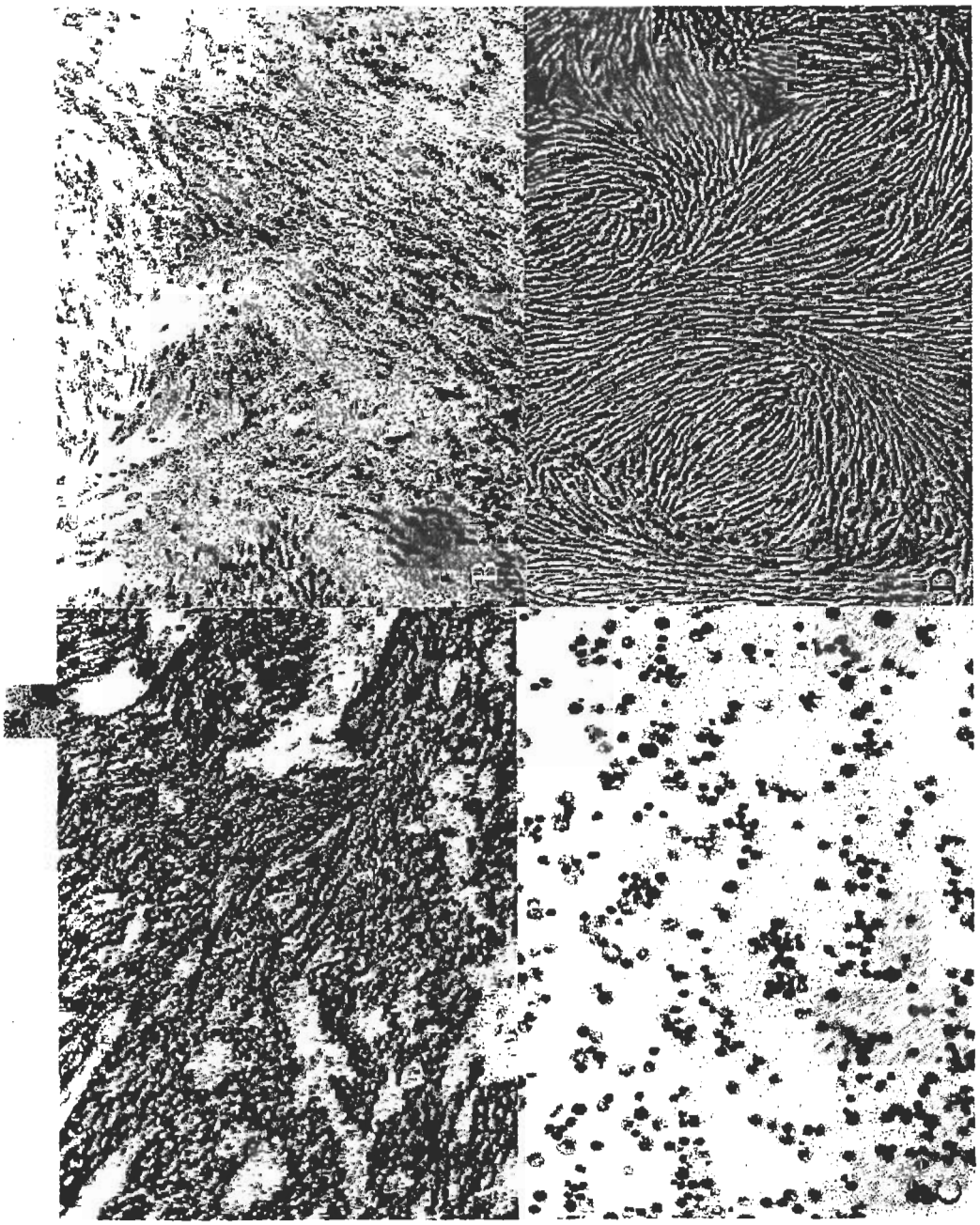


Figure3

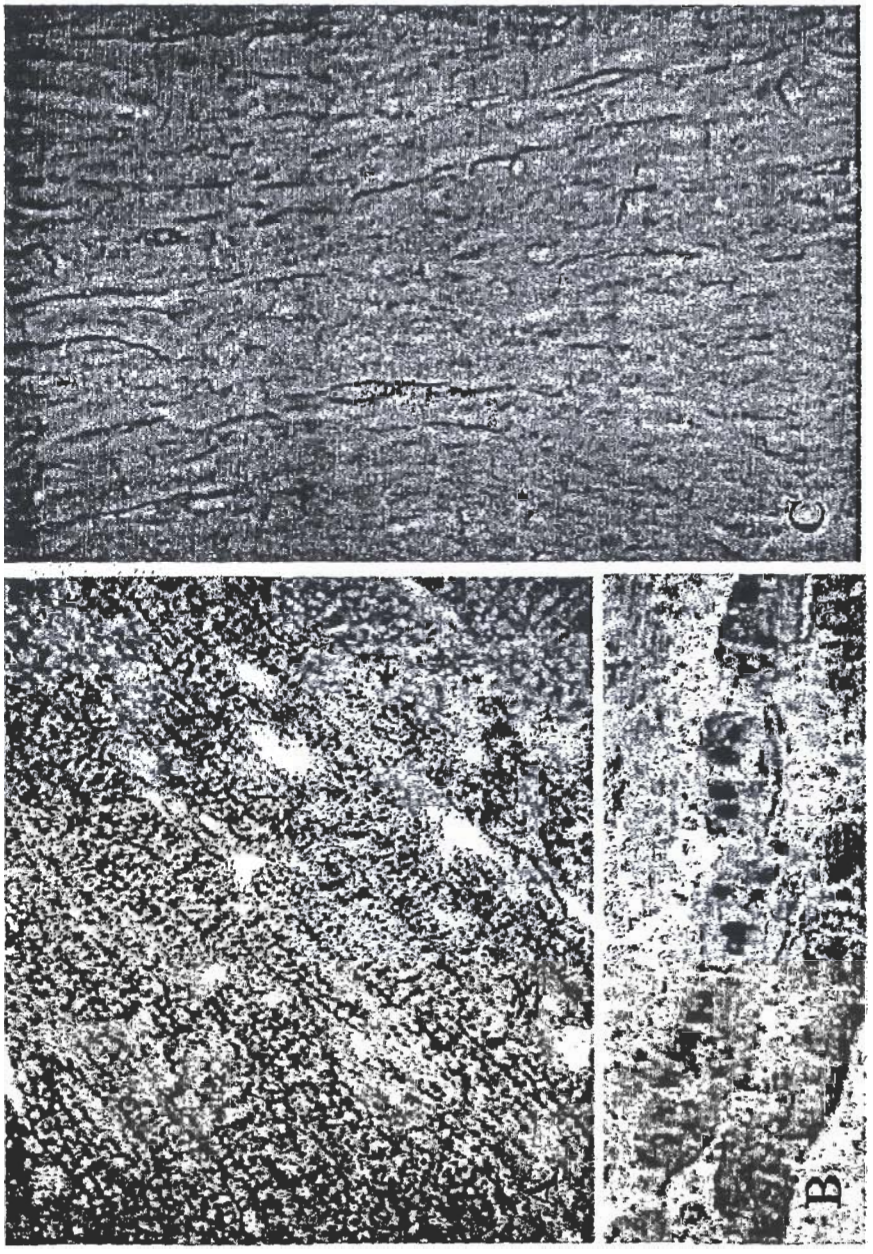


Figure 4

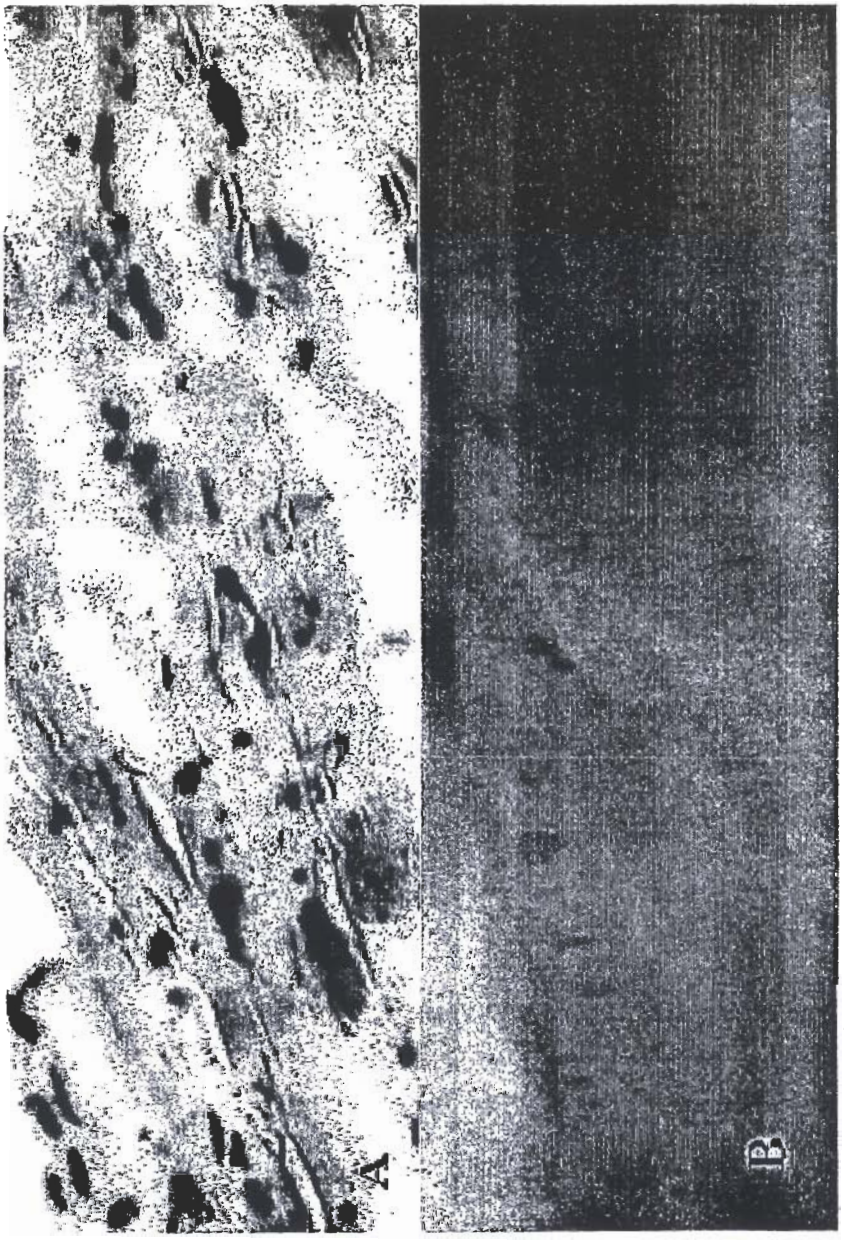


Figure 5

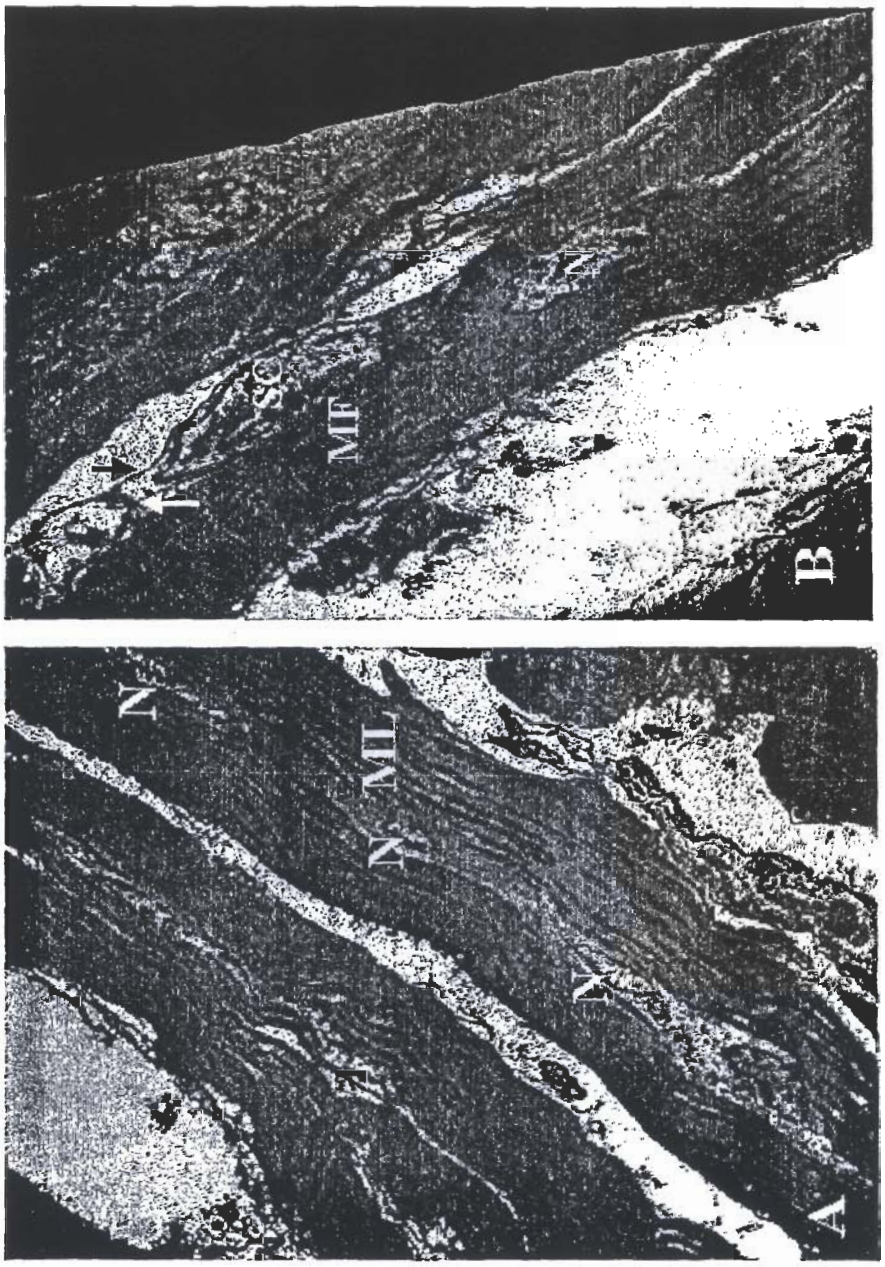


Figure 6

