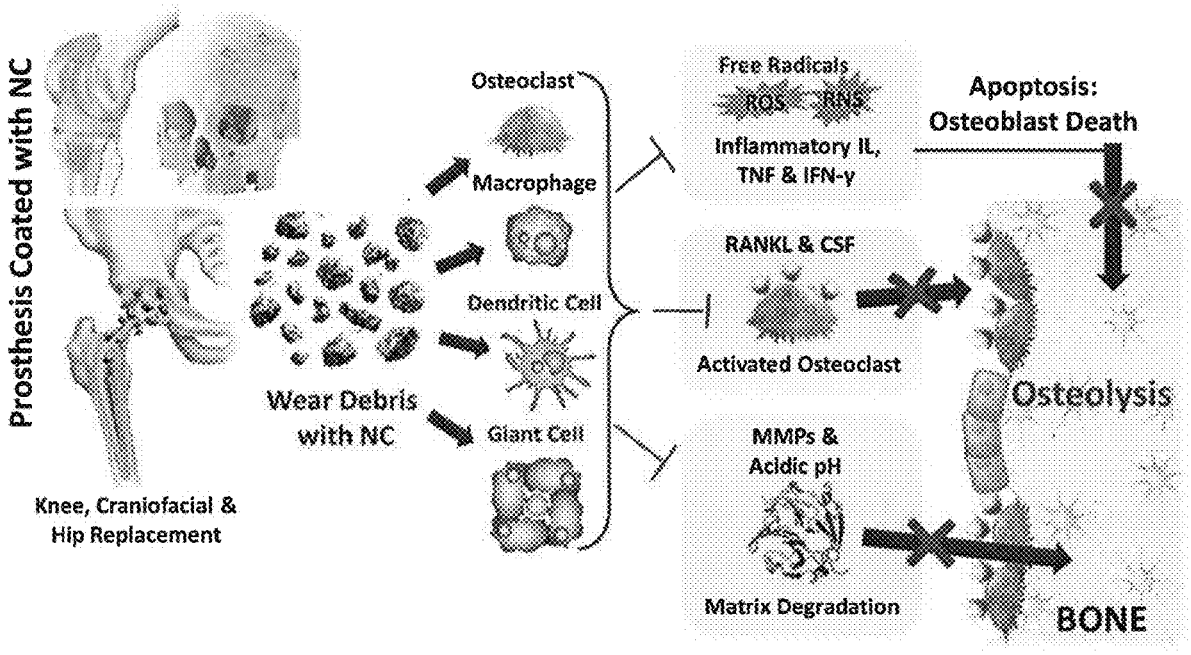
Prosthesis Coated with NC
Knee, Craniofacial & Hip Replacement
Wear Debris with NC
Osteoclast
Macrophage
Dendritic Cell
Giant Cell
Free Radicals
ROS
RNS
Inflammatory IL, TNF & IFN-γ
RANKL & CSF
Activated Osteoclast
MMPs & Acidic pH
Matrix Degradation
Apoptosis: Osteoblast Death
Osteolysis
BONE

Figure 1