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| **Bone Graft/Bone Graft Substitute** | **Osteogenesis** | **Osteoinduction** | **Osteoconduction** | **Vascularity** | **Mechanical Stability** |
| **Autogenous Iliac Crest Bone Graft (AICBG)** | Yes | Yes | Yes | Yes(EPCs, VEGF, HIF1α) | Yes(If Tricortical) |
| **Reamer-Irrigator-Aspirator (RIA)** | Yes | Yes | Yes | Yes(EPCs, VEGF, HIF1α) | No |
| **Allograft Bone** | No | No | Yes | No | Yes(If Allograft Strut) |
| **Bone Marrow Aspirate** | Yes | Yes | No(must be combined with osteoconductive scaffold) | Yes(EPCs) | No |
| **Bone Morphogenetic Proteins** | No | Yes | No(must be combined with osteoconductive scaffold) | ? | No |
| **Platelet Derived Growth Factor (PDGF)** | No | Yes | No(must be combined with osteoconductive scaffold) | Yes | No |
| **Calcium Phosphates** | No | No | Yes | No | Yes(compressive only) |
| **Osteoset T (calcium sulfate pellets with Tobramycin)** | No | No | Yes(plus local antibiotic delivery) | No | No |
| **Demineralized Bone Matrix (DBM)** | No | Yes(small amounts of osteoinductive proteins) | Yes | Maybe(small amounts of VEGF) | No |