

세미나 초록

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소속	OSTEOGENE TECH
발표 주제	The Raising Standard of Bone Regeneration
발표 내용	<p>Active cell recruitment within seconds into bone graft and creating biogenic microenvironments is crucial for bone regeneration, especially when using synthetic bone graft. As of today, there are no bone grafts to comparable with autogenous bone graft in terms of osteogenic and angiogenic capabilities. Except autogenous bone graft, allogenic, xenogenic, and synthetic bone graft has been demonstrated very limited osteoinductive or only osteoconductive bone regeneration capabilities. To overcome these limitations, InRoad® synthetic bone graft introduced an engineered micro-channel structure to induce capillary action into synthetic bone graft to propel active cell recruitment from host body and continuously provide biogenic microenvironments.</p> <p>To secure a dental implant placement, a solid bone is essential. When a rapid blood suction into and uniform blood circulation follows on implanted bone grafts, there is a high expectation for healthy and solid bone regeneration. Most presently available methods for bone regeneration are using allograft, xenograft, and/or synthetic bone graft but display a shortcoming for greater fluid absorption and healthier bone generation and recovery. This study presents a highly innovative and effective synthetic bone graft known as InRoad®, which enhances the formation of multiple embryonic structures and allows for higher productivity. FDA approved InRoad® allows for the formation of stronger and healthier solid bones with implant placements, and projects a novel and efficient way of doing so.</p>