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Sommario/riassunto

As society is increasingly concerned with quality of life for an ever-growing elderly population and those with sports and military injuries, greater attention is being paid to managing diseases and pains, as well as treating these populations. Orthopedics and dental implants still face many challenges to facilitate the aged society, in particular, because implant receiving vital hard tissue gradually deteriorates (in the sense of reduced bone density and quality). In addition, special developments in materials, as well as treatment techniques, are urgently needed for dental/medical implant candidates who have already developed serious or lifestyle-related diseases which are contraindicative to implant treatments.
