



*Special Issue Reprint*

## Soft and Hard Tissue Regeneration

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This special issue entitled “Soft and hard tissue regeneration” will cover both periodontal and implant therapies. Regenerative periodontal treatment goal is to restore functional periodontal support offering a valuable treatment alternative even for teeth with large periodontal destruction, which may be successfully treated and maintained in health for long periods. In most cases where teeth are extracted for periodontal reasons, implant therapy will demand large bone augmentation procedures. Lack of sufficient bone volume may prevent placement of dental implants. In extreme cases, large bone reconstruction is indispensable before implant placement can be performed. Although, most bone grafts are only able to fill and maintain a space, where bone regeneration can occur (“osseointegrative”), the ideal bone graft will also promote osseous regeneration (“osseointegrative”). Several bone augmentation procedures have been described, each, presenting advantages and shortcomings. Success of bone augmentation procedures depends on the presence of bone forming cells, primary wound closure over the augmented area, space creation and maintenance where bone can grow and proper angiogenesis of the grafted area. Factors that influence the choice of the surgical technique are the estimated duration of surgical procedure, its complexity, cost, total estimated length of procedure until the final rehabilitations may be installed and the surgeons’ experience. This special issue will have a definite clinical orientation, and be entirely dedicated to soft and hard tissue regenerative treatment alternatives, both in periodontal and implant therapy, discussing their rationale, indications and clinical procedures. Internationally renowned leading researchers and clinicians will contribute with articles in their field of expertise.



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