

dental surgical centrifuge for bone regeneration and implant

Dental surgical centrifuge centrifuges the patient's own blood by precisely controlling the speed and time, the process does not require the use of foreign chemicals and reduces the risk of virus transmission.

Dental Surgical Centrifuge

Dental surgical centrifuge uses advanced centrifugal technology to extract concentrated plasma rich in growth factors from the patient's own blood. This enhances tissue adhesion and healing, making it ideal for oral implant surgery, bone regeneration, and soft tissue repair.

Important Properties

1. High Tensile Strength and Growth Factors: concentrated plasma extracted by centrifugal technology to provide more growth factors to enhance tissue adhesion and healing.
2. Soft Tissue Healing Promotion: It can be used as a diaphragm to accelerate soft tissue healing, or used in combination with bone grafts to promote the generation of new bone.
3. Safe without additives: No chemical additives, such as thrombin or anticoagulants, are needed, avoiding the risk of allergic reactions and viral transmission.



4. Special Centrifugal Separation Technology: Separate and prepare plasma by special centrifugal method, combined with biomaterial injection to repair hard and soft tissue defects, accelerate healing and improve healing quality.
5. Autologous material: prepared by using patient's autologous blood, it not only avoids cross-infection of heterologous material, but also reduces the occurrence of complications.
6. Speed 4000rpm, Capacity 12×10ml.

Working Principle

1. Dental surgical centrifuge centrifuges the patient's own blood by precisely controlling the speed and time. Through the action of centrifugal force, platelets and growth factors in plasma are concentrated and extracted.
2. The concentrated plasma is rich in growth factors, which can be used for bone tissue repair and promote the healing of hard and soft tissues.

Application Areas

1. Oral implant surgery: used for the treatment of alveolar bone loss due to dental implant defects, accelerating the process of bone repair and osteogenesis through the concentrated growth factors.
2. Bone regeneration technology: Provide efficient bone regeneration support in the repair of bone defects around implants, maxillary sinus lifting and immediate implantation after tooth extraction.
3. Soft Tissue Repair: Accelerate soft tissue healing through plasma and growth factors to promote rapid wound healing and tissue recovery.

4. Alveolar bone repair and treatment: plays an important role in alveolar ridge preservation, jawbone cyst treatment and other oral trauma healing.

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Model	CS60
Maximum speed	4000rpm
Maximum RCF	2250xg
maximum capacity	12x10ml
Rotation Speed Accuracy	±10rpm
Timer	1 minute to 99 minutes
Centrifugal chamber diameter	280mm
Noise	≤62dB
Power supply	230Vac, 50Hz, 10A
Power	420W

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Model	CS60
Overall dimensions	385x320x270mm
Net weight	15kg