"Important Numbers in Implant Dentistry"

98.29%

▶ 98.29% : Success Rate using MegaGen Rescue implants as an alternative choice to bone augmentation procedures. 1-4 years follow-up in 117 cases.

Siormpas K.*, Kontsiotou - Siormpa E.*, Efremidis I**. *Private Dental Clinic, Larissa, Greece, siormpk@yahoo.gr, **Private Dental Clinic, Larissa, Greece, johnnyefr@gmail.com

Introduction

Implant placement often becomes a very difficult task, due to lack of bone in height and width respectively. Regionally this elevation (open and close technique), vertical augmentation, alveolar nerve. Nevertheless these techniques for various reasons, many times are not applicable or successful (2). mm (3). Recently the first results have been brought up to them. This study presents 1-4 year results of a private clinic in Larissa, Greece

Methods and Material

One hundred and seventeen fixtures (Rescue® MegaGen Co, Ltd, 377-2, Kyochon-Ri, Jain-Myun, Gyeongsan, Gyeongbok, occurs more at the posterior maxilla and mandible too (1). In Korea) with a length between 5.0 to 8.0 mm, and a diameter of order to achieve successful osseointegartion, various 6.0 to 8.0 were placed from 2007-2010 (4). Ninety nine patients techniques have been introduced. More specifically sinus (46 males, 53 females aged between 26-67 years of age with average age of 52,7 years were treated) participated in this distraction osteogenesis and lateral transposition of the inferior private survey. From the 117 implants, ninety were placed in maxilla and the rest twenty seven were placed in mandible: 55 of these were restored with single crowns and 62 served as Short implants are defined the fixtures with equal or less of 8 abutments of fixed partial dentures. Osseo integration period was standardized as 6 months for the upper arch and 3 for the surface regarding the survival rates and the performance of lower arch. Regarding the restoration, all implants were restored using the same laboratory and technician. The superstructure design of choice was cemented porcelain fused to metal crown



Results

From the ninety-two fixtures only two were not successfully integrated indicating a success rate of 98.29%. The later were replaced with other ones 5 months after the removal.

ARCH/sex	Male	Female	SUM
MAX	43	47	90
MAND	10	17	27
TOTAL	53	61	117

Conclutions

Short implants appear as an alternative to augmentation techniques. Their advantages are: decreased cost, decreased operation time, no sophisticated surgical interventions and less complications. Their increased diameter results in an improved emergence profile which is a typical issue with standard diameter fixtures when used at a molar location. Last the increased diameter outreaches the difference in length because of the increased osseointegration surface.

Short implants are a valid treatment particularly in compromised cases were an augmentative technique cannot be used, in order to have a longer implant placed. This study indicated some results as trends for the value of short implants. More studies are necessary in order these trends to become solid.

References

- Renouard F, Nisand D. Impact of implant length and diameter on survival rates. Clin Oral Implants Res 2006;17 (Suppl 2: 35-51.)
- Ferringo N, Laurell M, Fanali S. Inferior alveolar neve transposition in conjuction with implant placement. Int J Onal Maxillofac implants 2005; 20:610-620.

 Fugazzatio PA, Shortor implant in clinical practice rationale and treatment results. Int J Onal Maxillofac implants 2006; 23:487-486.

 The Short Implant (from 5 o 7 mm in Length), Park KB, Roo KH, Jeong CW and Slormpas K, pp. 267-291. Natare Publishing, INC.

