

Histological And Radiographical Evaluation Of Maxillary Sinus Floor Augmentation Using Osteopant Flex Sheets

Thesis

*Submitted to the Faculty of Dentistry, Ain Shams University
in partial fulfillment of the requirements of Doctorate
degree in Oral and Maxillofacial Surgery*

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AIM OF THE STUDY

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This study will be conducted to evaluate clinically, radiographically and histologically the quality of the formed bone in maxillary sinus lifting procedures using Osteoplast Flex as a bone substitute.

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LIST OF ABBREVIATIONS

MSE	Membrane Sinus Elevator technique
TCP	Tricalcium Phosphate
HA	Hydroxyapatite
BG	Bioactive Glass
BMP	Bone Morphogenic Proteins
PMCB	Particulate Marrow and Cancellous Bone
FDBA	Freeze-Dried Bone Allograft
DFDBA	Demineralized Freeze Dried Bone Allograft
DBM	Demineralized Bone Matrix
PRP	Platelet-Rich Plasma
PDGF	Platelet-Derived Growth Factor
TGF-β	Transforming Growth Factor
ABC	Autogenous Bone-derived Cells
CT	Computerized Tomogram
CBCT	Cone Beam Computerized Tomogram
QCT	Quantitative Computerized Tomogram
QCBCT	Quantitative Cone Beam Computerized Tomogram
MDCT	Multi Detector Computerized Tomogram
ESS	Endoscopic Sinus Surgery
ROI	Region Of Interest

FOV	Field Of View
H & E	Hematoxylin and Eosin
SD	Standard Deviation
HU	Hounsfield Units