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赖红昌教授领衔的临床研究成果在口腔医学界顶级杂志JCP发表并做Pubcast

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口腔种植科主任赖红昌教授领衔的课题组完成的研究“经牙槽嵴顶入路上颌窦提升术中植骨与不植骨的3年临床随机对照试验”，将在4月份出版的全球口腔医学杂志排名前三的《Journal of Clinical Periodontology》(JCP, 影响因子3.0)发表，这是国内首次在此杂志发表临床种植研究论文，并被作为具有重要意义的研究论文选为Pubcast（同时在线发表视频讲解）。据了解，每年入选Pubcast的论文只有几篇。

该研究是迄今为止第一项有关经牙槽嵴顶入路上颌窦提升术中长期随机对照临床试验。通过严格的随机分组和盲法设计，对手术附加植骨与不植骨的临床效果和影像学结果进行多指标、多时间点的长期观察。结果显示，无论植骨与不植骨，经牙槽嵴顶入路上颌窦提升术均可获得可靠的临床效果，最终种植体存留率与窦内骨获得量相似，解决了临床上关于是否植骨的争议，为患者寻求创伤小、费用少、效果确切的治疗方式提供了科学依据。此研究受到国际种植学会的赞助。

AIMS: To evaluate the clinical and radiographic results of dental implant placed using osteotome sinus floor elevation (OSFE) with and without simultaneous grafting.

MATERIALS & METHODS: Forty-five patients were randomly assigned into two groups: Group1: OSFE with deproteinized bovine bone mineral (DBBM) mixed with autogenous bone chips, and Group2: OSFE without grafting. The endo-sinus bone gain (ESBG) was assessed on radiographs at 6, 12, 24, 36 months following surgery as primary outcome measurement. Implant survivals and marginal bone loss (MBL) were assessed as secondary outcome measurements.

RESULTS: Twenty-one implants in Group1 and 20 implants in Group2 were analysed. The residual bone height (RBH) was 4.63 ± 1.31 mm in average (4.67 ± 1.18 mm for Group1 and 4.58 ± 1.47 mm for Group2). The 3-year cumulative survival rates of implants were 95.2% for Group1 and 95.0% for Group2. The ESBG in Group1 reduced from 5.66 ± 0.99 mm at 6 months to 3.17 ± 1.95 mm at 36 months, whereas the ESBG in Group2 increased from 2.06 ± 1.01 mm at 6 months to 3.07 ± 1.68 mm at 36 months. The MBL after 3 years was 1.33 ± 0.46 mm in Group1 and 1.38 ± 0.23 mm in Group2.

CONCLUSIONS: OSFE and simultaneous implant installation with and without grafting both resulted in predictable results. The application of grafting materials has no significant advantage in terms of clinical success.

Si MS, Zhuang LF, Gu YX, Mo JJ, Qiao SC, Lai HC. Osteotome sinus floor elevation with or without grafting