Clinical Usefulness of Dentis oneQ Implant System: Case Series

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INTRODUCTION
Nowadays, dental implant is one of the useful treatment for partially or completely edentulous patient. In detail, it has been successful treatment for special aesthetic area, single or multiple teeth missing. Because dental implant treatment is superior aesthetically and functionally, it gives patients much more satisfaction. The purpose of this study is to introduce 3 cases using Dentis oneQ implant system and usefulness of this system.

Case I

Patient information
- Age : 40
- Sex : Male
- C.C : #38 dentigerous cyst
- Clinical feature:
  - Dentigerous cyst enlarged to #37 apex
  - #37 mobility (++)

Treatment procedure
1. Cyst enucleation
Cyst enucleation and #37,#38 extraction was done under general anesthesia.

2. Implant installation
#37 implant installation was done at 6 months after cyst enucleation. Bone graft was performed with auto tooth bone graft material because alveolar bone was insufficient to acquire enough stability.

3. Gold crown delivery
#37 gold crown was delivered at 5 months after implant installation. The implant prosthesis show favorable state until now.

Case II

Patient information
- Age : 24
- Sex : Female
- C.C : #15,#22,#23 congenital missing
- Clinical feature:
  - Ridge atrophy on #22,#23 area
  - Ridge width : 6~7mm

Treatment procedure
1. Bone graft
AutoBT & Lt. ramal bone was used as bone graft material to supply insufficient width of alveolar bone.

2. Implant installation
#11,#22,#23 PFG crowns were delivered at 4 months after Implant installation. The implant prosthesis show favorable state until now.

Case III

Patient information
- Age / Sex : 18 / Male
- C.C : #11,21,22,23 missing due to trauma (2 years ago)
- Clinical feature:
  - Ridge atrophy on #11-23 area
  - Ridge width : 5~6mm

Treatment procedure
1. Bone graft
The bone graft was measured immediately after implant 1st surgery, The ISQ values were measured immediately, 1 month and 3 months after implant 1st surgery.

2. Implant installation
The ISQ values were measured immediately, 1 month and 3 months after implant 1st surgery.

DISCUSSION
In these cases, implant surgery was very successful treatment option. Dentis oneQ implant system have good stability in unfavorable condition. All the patients reported were satisfied with the functional and aesthetic result, and no complication was occurred. Dentis oneQ implant system will have quite good result so that the treatment can achieve the goal.