

# PHOTOGRAMMETRY, IMPLANT DIGITAL IMPRESION



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## Key Words

Photogrammetry, PIC camera, digital impresion.

## Introduction

The precision in the transmission of information is an added difficulty to the already complex rehabilitation sometimes demanded of our patients. Photogrammetry is the science of measurements and reliable interpretations through photographs. The fundamental principle used is the triangulation. Its application in the dental field is a technological revolution. And its enable us to to avoid repetitions in our prints.

## Material and Metod

The system has a recognition software codes that identifies each attachment and assigns a vector director (position and direction) to each implant. The acquisition of the images is needed to make a photogrammetric measurement and to obtain the accuracy, reliability and automation of the system is capable, the images should be of first quality.

The three main considerations for obtaining a good image are:

Field of vision (FOV), Approach, and Exposure

We present two cases of immediate loading in which using this technology we have obtained the precision that we were looking for. (Case 1: Inmediate loading and a final result in a case of an all-on-four technique) (Case 2: Provisionalization after six implants, 24 hours after digital impresion, in both, upper and inferior maxillaris)

Case 1



Case 2



## Conclusion

The precision of this technology makes it the most reliable way to current transmission of the intraoral information for obtaining the final prosthetic restoration.

References: National Congress of Computerized Odontology, Spain 2014.