

# Ongoing clinical study with OmniTaper EV Implant

An open, prospective, multicenter study to evaluate clinical outcome of the OmniTaper EV Implant in extraction sockets and healed ridges.

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## Introduction

The OmniTaper EV Implant is a further development of the well documented Xive implant, with the addition of the scientifically proven OsseoSpeed surface and the established internal conical EV implant/abutment connection, making it compatible with the full Astra Tech Implant System EV prosthetic assortment. Pre-clinical data for OmniTaper EV is proving the safety and performance in accordance with applicable standards. This post-market clinical follow-up study was initiated to confirm the safety and performance of the implant. The aim of this clinical investigation is to evaluate the short- and long-term survival and success rates as well as safety of OmniTaper EV when used for single tooth replacements.

## Methods and materials

This company initiated study is an open, prospective, multicenter, international clinical investigation with a 5-year follow-up period. Subjects in need of one implant in the maxilla or mandible are included until 137 subjects are reached. The implant can be placed in extraction sockets or healed ridges, with a one- or two-stage surgical protocol. Loading protocol can be chosen as per investigator's preference; immediate, early or delayed. The primary objective is to evaluate implant survival 1 year after Permanent Restoration.



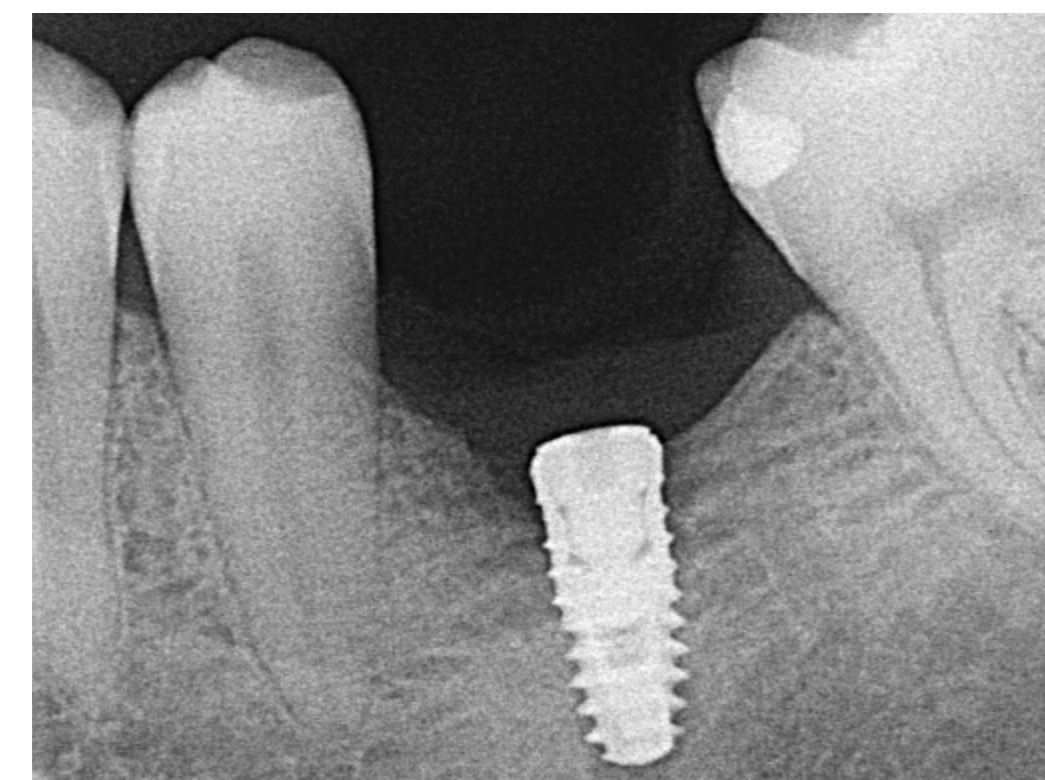
Figure 1. Flowchart of patient visits and measures taken

## Status

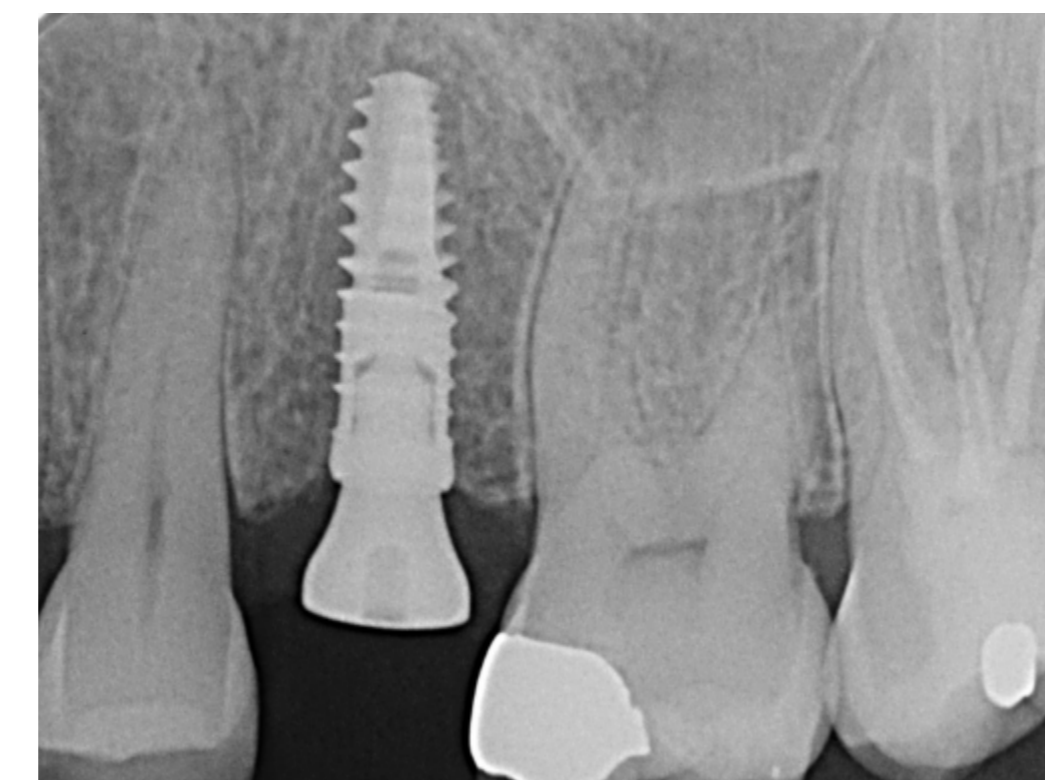
88 subjects are included, and two subjects have had the permanent restoration placed. No implant losses are reported to date. Recruitment is planned to be completed in June 2023.



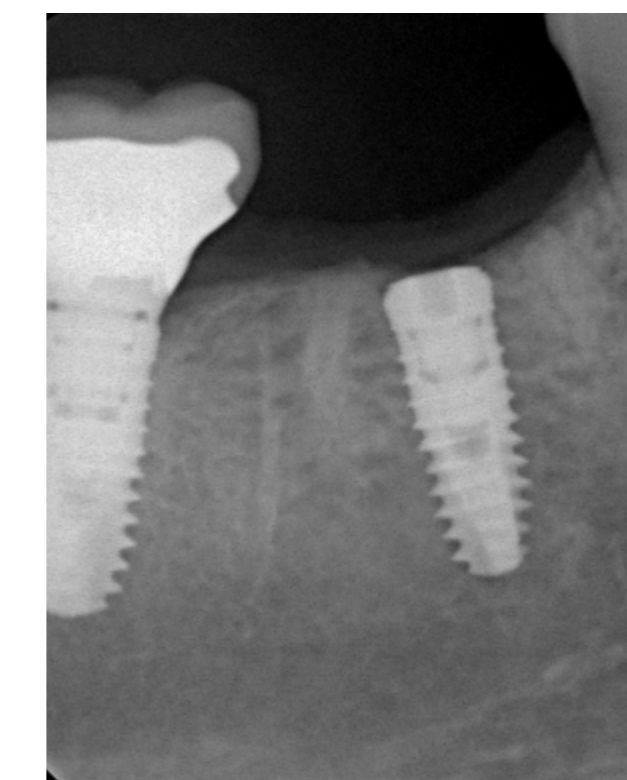
21 Extraction socket, bone quality and quantity 4A.



36 Healed site, bone quality and quantity 2B.



25 Healed site, bone quality and quantity 3A.



45 Healed site, bone quality and quantity 2A.

Clinical cases: Radiographs from placement of OmniTaper EV Implants. Courtesy of Dr. Dr. Gehrke, Dr. Dietrich and Dr. Ponte.



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