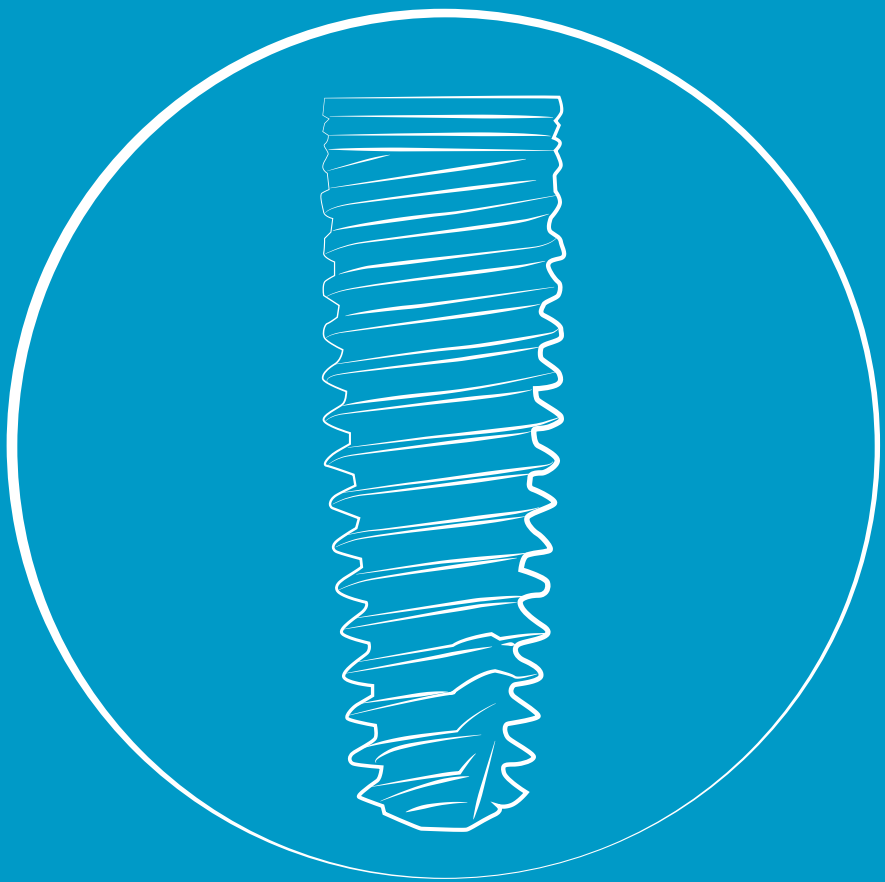


MIS C1

The Connection for Reliable Biology

MIS®

The Connection for Reliable Biology

The C1 implant is a powerful player in the MIS conical connection implant fleet and offers a versatile solution for all clinical indications. This simple, accurate and proven implant system was designed with a conical connection and optimizes biological benefits and clinical and esthetic results.

The MIS comprehensive conical connection solution offers

- **One** consistent prosthetic solution
- **One** surgical kit
- **One** drilling protocol
- **Two** unique geometries of the C1 and V3 implant systems provide optimum implant integration and bone growth.

Benefits

Bone preservation

The C1 implant incorporates the platform-switching design concept. Implants with a platform-switched configuration have been shown to exhibit less bone loss when compared to non-platform-switched implants, which may lead to soft tissue preservation and growth. Micro-rings on the implant neck improve BIC (Bone-to-Implant-Contact) at the crestal zone, and are designed to reduce pressure on the cortical bone to minimize resorption at the implant neck.

Ultimate seal

C1 features a 12-degree conical connection that ensures a secure, friction fit between abutment and implant. The C1 minimizes micro-movements reducing bone loss at the crestal level. It has a six-position cone index within the conical connection to help orient the implant during insertion as well as for placing the abutment into the proper position.

High initial stability

The C1 dual thread design increases the BIC (Bone to Implant Contact) over the entire body of the implant and ensures a safe and controlled insertion rate. With its conical, root-shaped geometry, the C1 is engineered for high primary stability and offers the ultimate choice for a wide range of clinical cases and loading protocols.

Esthetics

A broad range of MIS conical connection prosthetic components presents uncompromising accuracy; a consistent concave emergence profile for excellent soft tissue results; golden shade to support high esthetic results.

Dual thread
designed to
increase BIC

Platform switching
designed to faciliate
bone preservation
and growth

Ultimate
seal with
ideal conical
connection

C1 conical
connection implant

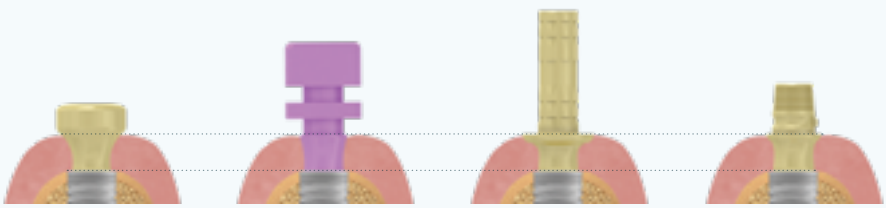
Implant Range

The C1 is offered in an expansive range of sizes and lengths with three color coded platforms: Narrow, Standard, and Wide.

D\L	8mm	10mm	11.50mm	13mm	16mm
Ø3.30		C1-10330	C1-11330	C1-13330	C1-16330
Ø3.75	C1-08375	C1-10375	C1-11375	C1-13375	C1-16375
Ø4.20	C1-08420	C1-10420	C1-11420	C1-13420	C1-16420
Ø5	C1-08500	C1-10500	C1-11500	C1-13500	C1-16500

Consistent, Concave Abutment Profile

Consistent, concave emergence profile abutments which, as scientific research has proven, when combined with platform switching, may increase soft tissue volume.



Healing Cap | Impression Coping | Temporary | Cemented / Screw-retained / CAD-CAM

Surgical Kit

The innovative Conical Connection Surgical Kit, is designed for simple and safe implant placement procedures. The kit presents a novel ergonomic design that follows the surgical drilling sequence. In addition, the kit includes a set of length-based pilot drills and color-coded visual cues of both implant diameter and restorative platforms and is suitable for both C1 and V3 implants.

C1 - Clinical Case Study

Marginal Bone Level Around Conical Connection Tapered Implants with Platform Switching: A Multicenter Retrospective Study at 14 Months Follow-Up.

Introduction

Long-term clinical studies using different conventional implant systems, have shown a mean marginal bone loss around dental implants of 1.5 - 2 mm in the first year of service.

Method

30 MIS C1 implants were placed in 18 patients in a private practice (LS) setting. 9 implants were placed in the maxilla, 21 in the mandible, 13 in the anterior area and 17 in molar areas. 10 implants were placed using a one-stage and 20 using a two-stage approach. The implants were restored with porcelain crowns three months (18 implants) or six months (12 implants) from the day of implantation. Mesial and distal bone height was evaluated using radiography on the day of implant placement (baseline),

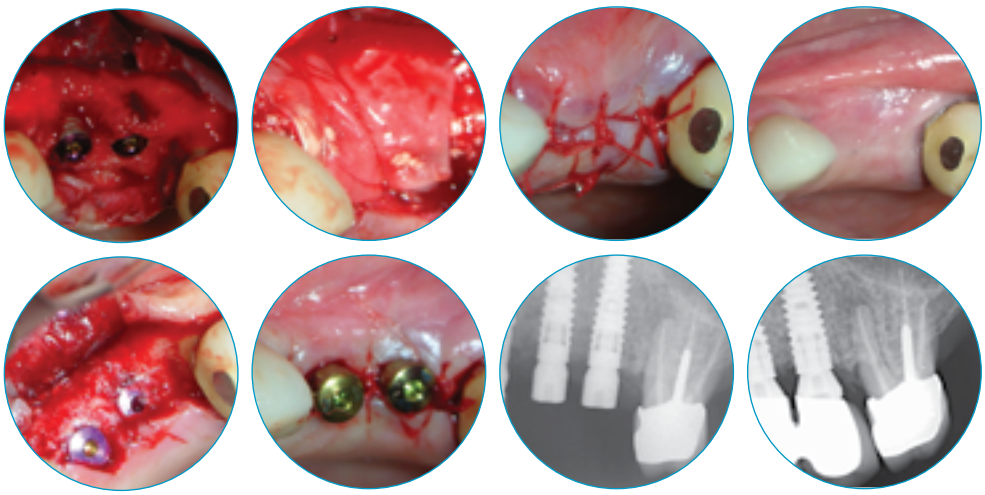
Results

None of the implants failed during the one year of follow up, resulting in a survival rate of 100%. Marginal bone loss from baseline to one year as measured from implant collar to bone crest was 0.7 ± 0.47 mm. No difference was found in marginal bone loss between implants placed either in a one-stage or two-stage approach.

Conclusions

This retrospective follow-up in a private clinic setting found minimal marginal bone loss and 100% implant survival rate in over a 1-year follow-up for platform switching abutment with C1 conical connection implant. The results showed higher crestal bone stability of the new design, compared to standard designs, as appears in the scientific literature.

1. Ultimate seal with ideal conical connection
2. Dual thread designed to increase BIC
3. Platform switching designed to faciliate bone preservation and growth



(Ekstein J, Tandelich M, Nart J, Calvo Guirado JL, Shapira L. Journal Osseointegr, August 2016. DOI: 10.4081/jo.2016.6922).

MC-FLCCE Rev. 10

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