ABraCadabra

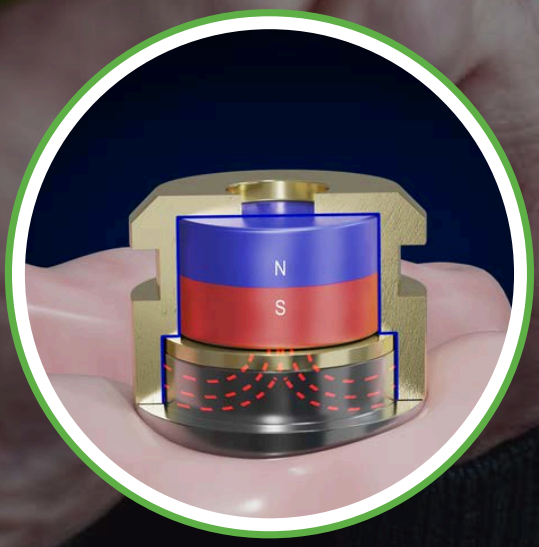
TELEMAGNETICS

TELESCOPIC-MAGNETIC OVERDENTURE RETAINERS

RESTORE IMPLANTS AT ANY ANGLE

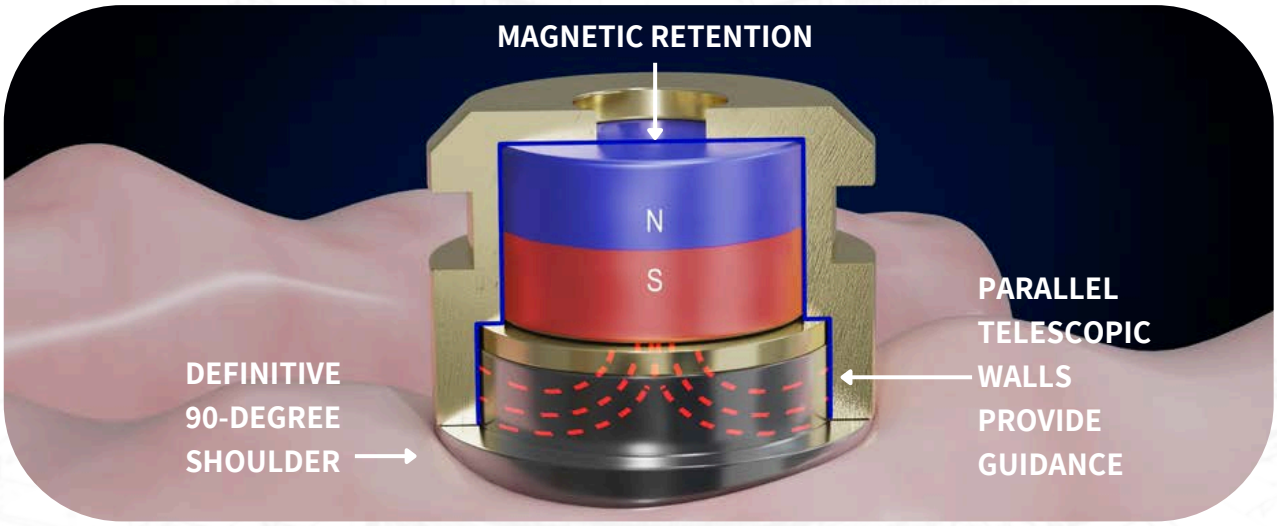
ACHIEVE PERFECTLY PARALLEL ALIGNMENT OF MAGNETIC RETAINERS

PROVIDE CONFIDENT AND PERMANENT MAGNETIC RETENTION WITH ZERO MAINTENANCE

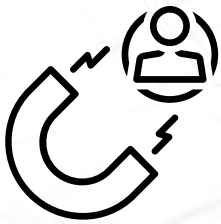


THE TELESCOPIC-MAGNETIC CONCEPT

Innovative individually-planned magnetic abutments – achieving complete parallelism, a single path of restoration placement, excellent retention, and passive seating.



KEY ADVANTAGES



MAGNETIC RETENTION

- Uniquely versatile
- Provides confidence while chewing, talking, and performing day-to-day functions
- Easy insertion and retrievability

ALL THE BENEFITS OF CUSTOM TELESCOPIC ABUTMENTS + MAGNETS!

- Fits implants at any angle, depth and location
- Provides perfectly parallel magnetic retainers
- An optimal combination of telescopic guidance, magnetic retention, and passivity

SIMPLE PLACEMENT AND ZERO MAINTENANCE

- Take a digital impression of the implants and leave the rest to us!
- Easy maintenance without silicon caps and other replaceable elements
- Precise denture seating
- Suits cases with 2+ implants

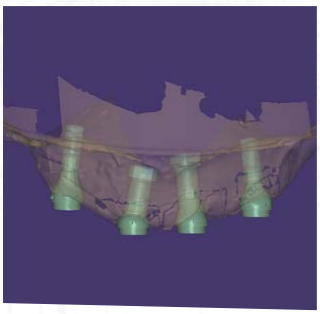
TELEMAGNETICS COMPARED TO VS. CONVENTIONAL RETENTION SYSTEMS

	Bar	Ball Attachment Locator	SynCone	ABRACADABRA INDIVIDUAL TELESCOPIC MAGNETIC ABUTMENTS
Hygienic Capability	complicated	easy	easy with some training	**very easy**
Anchorage Principle	friction via different bar attachments	replaceable nylon matrix on titanium ball or patrix (push button)	prefabricated taper with prefabricated abutment	**flat magnet to flat telescopic metallic keeper**
Activation of Retention Elements	limited	not possible	not possible - prefabricated	**not required - pre-activated with 5-8 N retention per magnet**
Replacement of Retention Elements	depends on design, but can be complicated	requires unscrewing the ball or replacement of silicone caps	replaced with a new similar element	**not required - magnetic retention doesn't wear off**
Compensation of Angular Placed Implants	complicated and requires multi-unit abutments	limited to prefabricated angles	limited up to ~15°	**compensates any implant angle up to 45°, providing complete parallelism**
Implant platform and compatibility	Connects to multi-unit abutments	Major implant systems - no anti-rotation element	Major implant systems - no anti-rotation element	**Major implant systems - has compatible platforms with anti-rotation elements**

CLINICAL CASES

1 MAXILLARY DENTURE RETAINED BY FOUR TELESCOPIC-MAGNETIC ABUTMENTS

A 77-year old generally healthy patient referred with an upper removable denture and complained of its instability. Four implants were placed freehand in the anterior maxilla. Following a healing period of six months, a digital impression was taken and custom telescopic-magnetic abutments were fabricated and loaded onto the implants. The patient's denture was rebased with the magnetic housings, to his satisfaction.

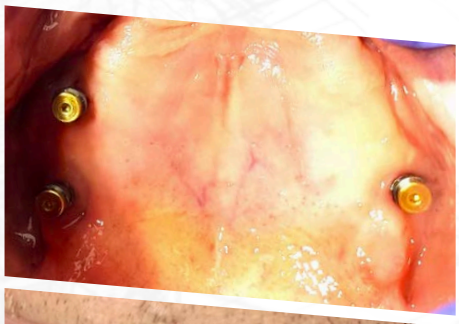



2 MAXILLARY DENTURE WITH VITALLIUM MESH AND REDUCED PALATAL COVERAGE, RETAINED BY THREE TELESCOPIC-MAGNETIC ABUTMENTS

A 84-year old patient referred with an upper removable denture formerly retained by four implants with locators. One of the implants failed and was extracted.

Following a short healing period, a digital impression was taken and custom telescopic-magnetic abutments were fabricated.

The patient's denture was rebased with the magnetic housings.



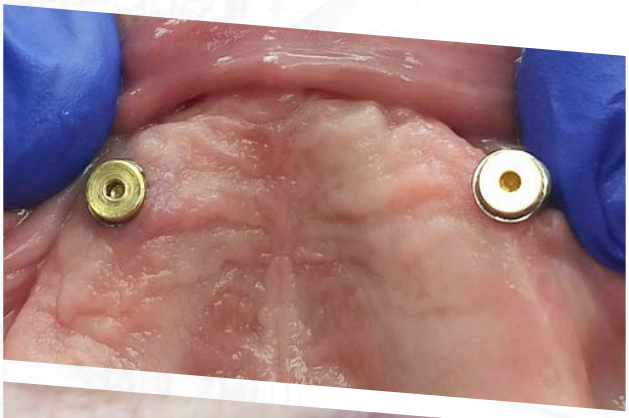
Cases 1-3 were treated by **Dr. Ian Harel**

"This system is simple, pleasant to the patient, with easy placement and easy removal."
Dr. Dov Berger | Tel Aviv

3 MAXILLARY DENTURE WITH VITALLIUM MESH AND REDUCED PALATAL COVERAGE, RETAINED BY TWO TELESCOPIC-MAGNETIC ABUTMENTS

A 75-year old patient referred with an upper removable denture retained by two implants with ball attachments in the anterior maxillary region.

Following her complaints, the ball attachments were replaced by individual telescopic-magnetic abutments, including an extreme angle correction of the implant at site 23.



4 MANDIBULAR DENTURE WITH VITALLIUM MESH, RETAINED BY TWO TELESCOPIC-MAGNETIC ABUTMENTS, FOR A QUADRIPLEGIC PATIENT

A 50-year old quadriplegic female patient referred with a lower removable denture retained by two implants with a ball attachment and a locator in the anterior mandibular region.

To improve the denture retention, the ball attachment and locator were replaced by individual telescopic-magnetic abutments, which the patient's helper can place and remove easily. They parallel abutments provide excellent retention to the denture during regular function.

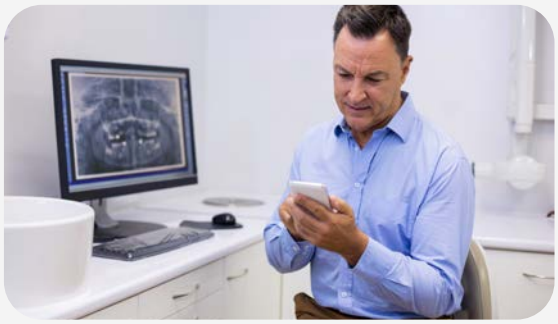
Case 4 was treated by **Dr. Shlomo Lazarovitch | Herzliya, Israel**

"After 35 years, it's great to let go of the locators and ball attachments and switch to magnets!"

YOUR FIRST CASE – CLINICAL WORKFLOW

Working with Abracadabra's telescopic-magnetic abutments is easy. All you need to do is send us a scan of the implant locations, and we will design the individual abutments and send them to you along with all the components you need.

1 SUBMIT A CASE AND CONSULT WITH US



The details we need:

1. Which jaw?
2. How many implants?
3. Location and type of implants?

If possible, please send us a panoramic X-ray or CT scan of the patient.

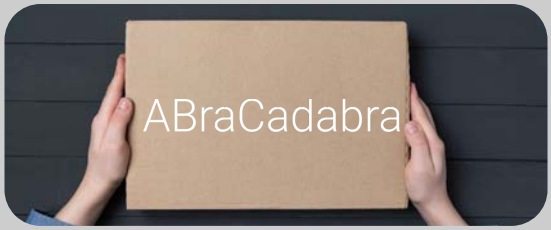
2 SCAN THE IMPLANTS

- Take a scan with scan pins connected to the implants.
- We will be happy to provide you with scan pins for internal hexagon implants, if needed.
- Send us the scans.

ABUTMENT DESIGN AND MANUFACTURING AT ABRACADABRA

We will design the case using Abracadabra's dedicated **AbraCAD** software, and mill the abutments once approved by you.

Then, we will deliver to you a box containing the abutments, a verification jig, and magnets intended for connecting the lab-manufactured denture.



DENTURE DESIGN AND MANUFACTURING AT THE LOCAL LAB

We will provide your dental lab with a digital model of the jaw with the abutments and spacers, showing the exact space that needs to be left in the denture for the magnets.

Based on the model, the lab will prepare the denture with the spacers and send it to your clinic.

Scan the Implants with Scan Pins → **Abutment Planning at Abracadabra** → **Denture Planning and Manufacturing** → **Delivery to Your Clinic** → **Abutment and Denture Placement**

CONGRATULATIONS!

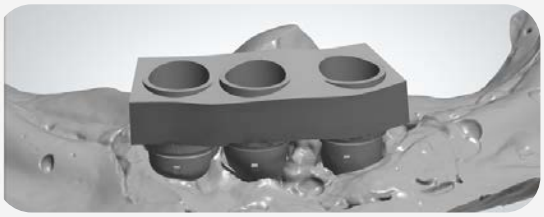
The abutments and the denture have arrived at your clinic.
Now, you can call the patient in to a restorative appointment.

3 ABUTMENT PLACEMENT

Place the abutments on the implants. Each abutment should be installed on its corresponding implant.

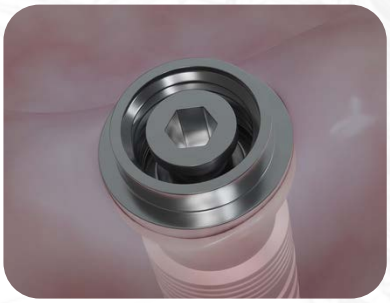
Make sure to place the abutments correctly in the hexagon, according to the buccal marking and the attached diagram.

4 VERIFICATION



Place the supplied verification jig onto the abutments, ensuring it touches the shoulders of all the abutments in a full 360-degree contact.

5 SCREW TIGHTENING

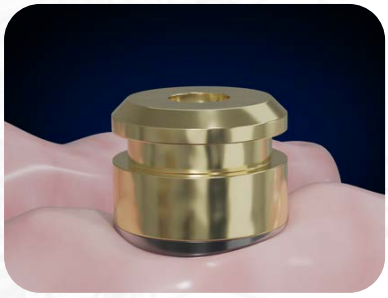


- Tighten the retention screws of the abutments to a torque of 15-20 Ncm.

6 KEEPER PLACEMENT

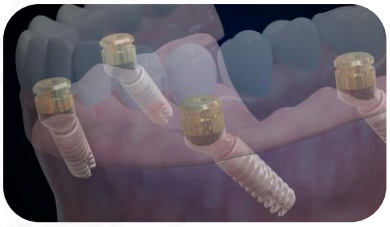
- Connect the keeper to each abutment using a standard 1.25mm screwdriver.

7 MAGNET PLACEMENT



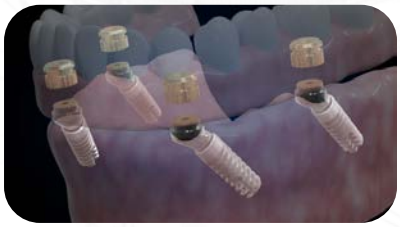
- Place the housing with the magnet onto each abutment.
- Ensure that the magnet fits tightly against the keeper without any interference.

8 DENTURE FITTING



- Place the denture in the patient's mouth—at this stage, without any cement or liquid PMMA.
- Ensure it sits evenly, with balanced tissue support, and that there are no height interferences or premature contacts with any of the magnets.
- If there is an undercut on any of the abutments, make sure to block it.

9 MAGNETS PICKUP



- Fill the pre-prepared spaces in the denture with liquid PMMA.
- Place the denture onto the jaw with the magnets and ask the patient to close their mouth.
- Wait for the PMMA to harden, then remove the denture with the attached magnets from the mouth.
- Remove any excess PMMA.

10 MAINTENANCE

- Instruct the patient to thoroughly rinse the gum-facing surface of the denture and remove any food residues that may get stuck inside the magnetic housings.
- Periodic check-ups can be scheduled to assess the lining and the integrity of the denture.

PRICING AND ORDERING INFORMATION

PRICE LIST (US)

NAME	RETAIL PRICE EXCL. TAX
Individual Telescopic-Magnetic Abutment - includes: custom planning, milled individual abutment + fixation screw, keeper, magnetic housing, verification jig planning and printing (1 per arch), printed model (1 per arch).	**$290.00**
Separately Sold Components and Parts	
Abracadabra Scan Pin RP (Internal Hex 2.42mm) Abracadabra Scan Pin NP (Internal Hex 2.0mm)	$45.00
Set for clinical pickup models - Transfer, Analog, Spacer (Housing Analog)	$20.00
Magnetic Housing Regular - ∅4.6mm h 4.8mm F 5 N	$60.00
Magnetic Housing Regular - ∅4.6mm h 5.8mm F 6.5 N	$65.00
Magnetic Housing Regular - ∅4.6mm h 6.8mm F 8 N	$70.00
Magnetic Keeper Regular	$30.00
Circular Rubber Dam for Magnetic Abutments (pack of 12)	$5.00
Express Courier Delivery	varies by destination
Custom telescopic-magnetic retaining solutions for obturators, facial prostheses, etc.	priced per case - please enquire with us

ORDERING INFORMATION

Contact us via email **info@abcimp.com** or
visit our website **www.abcimp.com**