

Competence in

# Implant Esthetics



## STRONG IN AESTHETICS

The fabrication of aesthetic and functional implant-retained restorations entails a number of clinical and technical processes.

An aesthetic and functional implant-retained restoration is based on sound preparation and execution of the prosthetic work supported by a planned surgical treatment.



A number of complex treatment cycles is necessary. Therefore, the treatment procedure is divided into six steps:



This arrangement will provide you with a quick overview of the products and facilitates the classification of the individual, coordinated clinical and technical products according to the treatment phase.

Ivoclar Vivadent has been your renowned partner for clinical and technical products for aesthetic restorations and is thus also your partner for implant-retained restorations.

# PLANNING

## DETAILED DATA

Sound planning is decisive for durable, aesthetic and functional implant-supported restorations.

Apart from impression taking, the determination of the relation between the two jaws as early as in the planning phase is very important. Preliminary bite registration using the Centric Tray will prevent time-consuming and expensive adjustments. The preshaped plastic trays will facilitate handling.

Virtual®, an easily kneadable putty, is ideal for impression taking.

The Centric Tray is used to orientate the upper and lower models by means of the distance between the tip of the nose and the tip of the chin. In addition, it is possible to attach the Centric Tray directly to the facebow (UTS 3D) with the adapter. Consequently, the models are mounted into the articulator (Stratos®) according to skull relations. The Centric Tray is suitable for implant-retained partial and complete dentures.



### Additional products for planning:

- |                            |   |
|----------------------------|---|
| Accu-Dent® System          | Impression system with alginate and individual impression trays for the fabrication of diagnostic casts |
| Vival NF                   | Light blue alginate impression material for anatomical impressions                                      |
| Virtual® Bite Registration | Vinylpolysiloxane bite registration material with a high final hardness                                 |
| OptraGate®                 | Patient-friendly mouth opener for a facilitated access to the treatment field                           |
| SR Ivolen®                 | Self-curing two-component resin for the fabrication of individual trays and bite wafers                 |

# IMPLANTATION

## EXACT POSITIONING

The exact determination of the implant position is a basic prerequisite in the fabrication of aesthetic and functional prosthetic restorations.

The radiopaque teeth SR Vivo TAC® / SR Ortho TAC® are used to fabricate an X-ray template made of ProBase® «clear» in the laboratory. In a modified shape, the X-ray template serves as a drill template, which supports the dentist during implantation.

Measuring tubes placed in the denture teeth are used to gain information about the bone structure available for implantation and about the possible position of the implant. Individual modifications can be easily made with the radiopaque powder/liquid system.

The radiopaque denture teeth SR Vivo TAC / SR Ortho TAC are suitable for X-ray diagnostics for both fixed and removable denture prosthetics.

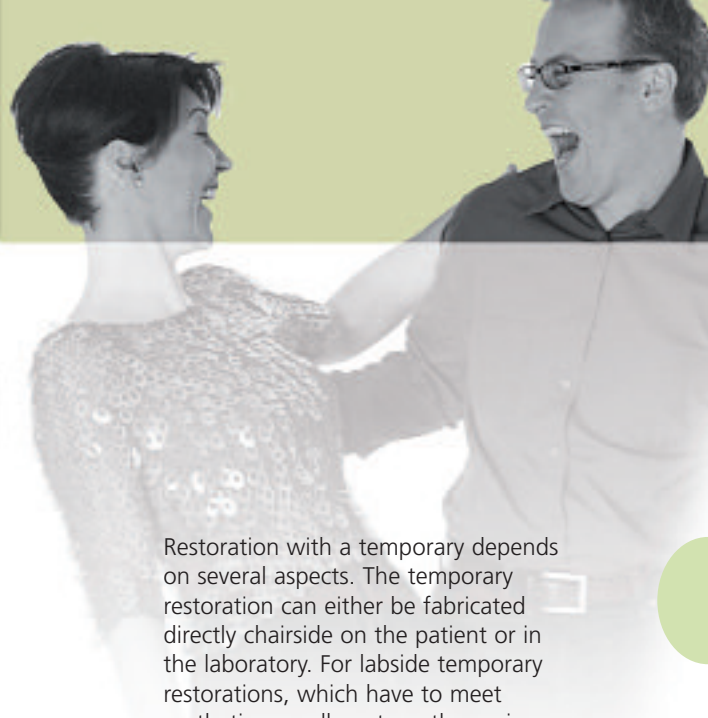


### Additional products for implantation:

Light Tray®

Light-curing tray material for the fabrication of individual trays and bite wafers

# TEMPORARY RESTORATION



## AESTHETIC INTERLUDE



Restoration with a temporary depends on several aspects. The temporary restoration can either be fabricated directly chairside on the patient or in the laboratory. For labside temporary restorations, which have to meet aesthetic as well as strength requirements, SR Ivocron® is your first choice.

Given the range of 20 Chromascop shades, SR Ivocron can be used for both metal-free and metal-supported implant-retained temporary restorations. The shades are coordinated with the Ivoclar Vivadent veneering materials and denture teeth. You are free to choose between three different processing techniques: pouring, layering and pressing – as you like.

The temporary restoration is placed on the provisional abutment with Systemp®.cem, an eugenol-free cement. As the cement is directly applied from the convenient double-push syringe, there is no need for mixing. Excess material is easy to remove. In addition, Systemp®.cem exhibits outstanding retention properties for easy processing.

### Additional products for temporary restoration:

Virtual®	New line of vinylpolysiloxane impression materials
Vival NF	Light blue alginate impression material for anatomical impressions
Systemp®.c&b	Self-curing two-component crown and bridge material for temporary restorations
Systemp®.link	Dual-curing eugenol-free luting composite for the placement of temporary restorations
Ivoclar Vivadent denture teeth with denture base material	Resin teeth and denture base material for the fast fabrication of temporary removable constructions





# PERMANENT

L A B

## POWERFUL AESTHETICS

No matter what type of permanent restoration you choose, Ivoclar Vivadent always offers a first-class solution.

You can fabricate all-ceramic implant-retained restorations using the fascinating materials IPS e.max® ZirCAD and IPS e.max® Ceram.

Zirconium oxide is currently the most efficient all-ceramic for dental applications. You can benefit from the high strength of IPS e.max ZirCAD, where it is particularly required, i.e. in the posterior region.

The milled framework is sintered in the high-temperature furnace Sintramat® where it acquires its final strength. Highly aesthetic results can be achieved with the nano-fluorapatite layering ceramic IPS e.max Ceram on glass-ceramics as well as zirconium oxide ceramics.

You will benefit from one, common layering scheme and predictable shade results.



Highly aesthetic leucite glass-ceramic ingots for the fabrication of anterior and posterior crowns in the PRESS technique.

### Additional products for permanent restoration (labside):

IPS e.max® Press

High-strength, aesthetic lithium disilicate glass-ceramic for pressing individual and multi-unit implant superstructures

IPS Empress® Esthetic

Highly aesthetic leucite glass-ceramic ingots for the PRESS technique for fabricating anterior and posterior crowns

IPS e.max® CAD

«Blue» lithium disilicate block for fabricating anterior and posterior crowns

IPS Empress® CAD

Highly aesthetic leucite glass-ceramic blocks for the CAD/CAM technique for fabricating anterior and posterior crowns

# RESTORATION

S I D E

## COORDINATED SYSTEM



The strength of an alloy is an important criterion in the fabrication of metal-supported implant-retained restorations. Therefore, Callisto® Implant 78 exhibits a high strength, which counteracts deformation caused by masticatory forces. In addition, the good flow properties and the coordinated melting range allow the alloy to be cast onto gold copings capable of being cast on.

Dental technicians aim at achieving accurate, fast, aesthetic and shade matching results. In order to meet these requirements, Callisto Implant 78 has been tested for its compatibility with IPS InLine® and approved. The IPS InLine leucite metal-ceramic is uncomplicated to process and features ideal shade and firing stability.

The desired shade can be easily achieved in only two main firing cycles due to the easy layering scheme. In addition, the ceramic exhibits only minimal shrinkage. Consequently, reliable and predictable results can be achieved.

### Additional products for permanent restoration (labside):

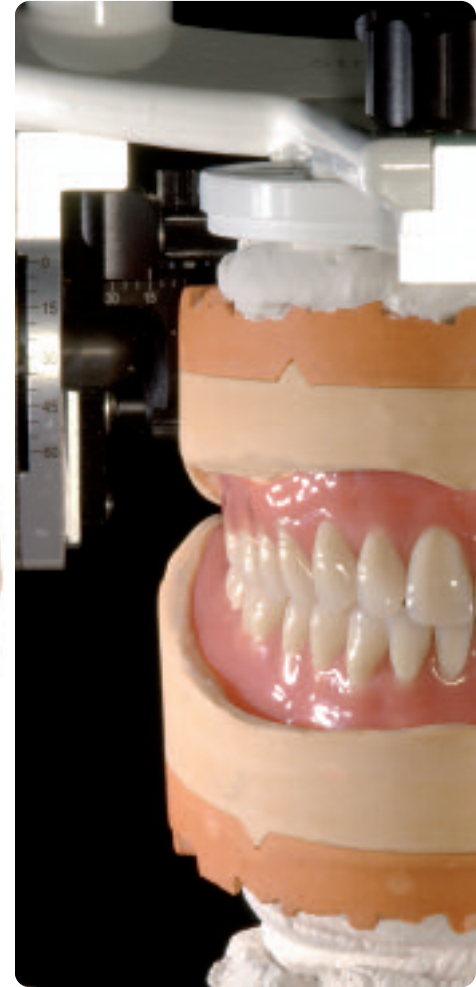
Alloys	Comprehensive range of high gold to predominantly base metal alloys for the fabrication of implant superstructures
SR Adoro®	Micro-filled, light- and heat-curing veneering composite for full and partial veneers on metal frameworks and metal-free restorations
SR Chromasit®	Micro-filled, pressure- and heat-curing veneering composite for metal-supported full and partial veneers
IPS d.SIGN®	Highly aesthetic fluorapatite leucite glass-ceramic with tooth-like optical properties for firing on metal frameworks

## ADDITIONAL ANCHORAGE

Removable implant-retained dentures not only provide patients with a completely new attitude to life from a psychological perspective. It is the anchorage that gives them a reassuring feeling. Thanks to the variety of denture teeth and the matching denture base materials, this positive attitude towards life can last for years.

By combining SR Ivocap High Impact and the denture teeth SR Vivodent® DCL and SR Ortholingual® DCL, you make the right decision. The denture base material SR Ivocap High Impact unites the proven advantages of the SR Ivocap injection system with an increased impact strength, which is required for the enhanced load in connection with implant-supported dentures.

The lifelike and coordinated tooth lines SR Vivodent DCL and SR Ortholingual DCL will restore the smile of your patients. Due to the lingualized occlusion, the SR Ortholingual DCL teeth are particularly suitable for implant-supported dentures. The high-quality DCL material will ensure that your patients are satisfied for a long time.



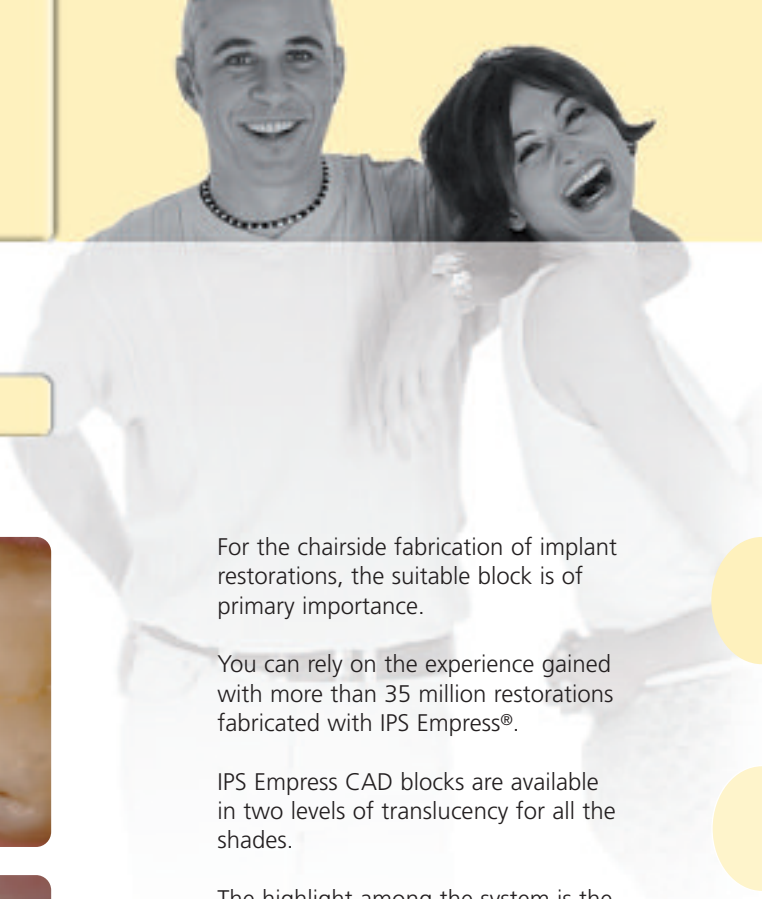
### Additional products for permanent restoration (labside):

ProBase® High Impact	Heat-curing polymer with increased impact strength for conventional use, particularly suitable for implant prosthetics
ProBase® Hot/Cold	Heat-/cold-curing polymer for conventional use, particularly suitable for demanding implant prosthetics
SR Triplex® Hot/Cold	Coordinated system of heat- and cold-curing denture base materials for implant prosthetics
SR Antaris® DCL	Functional, aesthetic anterior tooth in an extraordinary variety of moulds for all implant-supported dentures
SR Postaris® DCL	Fully anatomical 3-layer posterior tooth particularly for complete and partial implant-supported dentures
SR Vivodent® PE	Four-layer anterior tooth for implant-supported complete dentures for particularly high aesthetic demands
Stratos®200/300	Individually adjustable and semi-adjustable articulators for demanding and complex implant restorations



# RESTORATION

## CHAIRSIDE



### SUITABLE BLOCK



For the chairside fabrication of implant restorations, the suitable block is of primary importance.

You can rely on the experience gained with more than 35 million restorations fabricated with IPS Empress®.

IPS Empress CAD blocks are available in two levels of translucency for all the shades.

The highlight among the system is the IPS Empress® CAD Multi block. Due to the natural shade transition from the dentin to the incisal areas, the implant-retained restorations made of this polychromatic blocks exhibit outstanding true-to-nature aesthetics – even without individual characterization.

If an additional and individual adjustment is desired, the IPS Empress® Universal Shades and Stains can be applied to the outer surfaces of the restoration and subsequently fired in the Programat® CS ceramic furnace.

The treatment is completed by adhesive placement of the restorations.

### Additional products for permanent restoration (chairside):

IPS e.max® CAD

«Blue» lithium disilicate block for fabricating anterior and posterior crowns

# PLACEMENT

## STRONG BOND

The trend in placing implant-retained restorations is towards direct placement on the implant abutments.

Multilink® Sprint, the dual-curing, self-adhesive luting composite, ensures a durable bond, no matter which framework material you like to place. The bond is particularly important in the cervical margins. You can achieve a strong bond even without an additional bonding agent. The time-saving direct application from the syringe without separate manual mixing as well as the easy removal of excess material make Multilink Sprint a luting composite that can be used for the placement of all prosthetic restorations.

Multilink Sprint is even easier to apply than conventional cements and, at the same time, offers the advantages of modern luting composites.

Are you always looking for ways to facilitate your everyday life? Then you will be fascinated by the new OptraGate®. This patient-friendly mouth opener can be placed quickly and provides a clear view of the treatment field for working without getting tired – particularly in the posterior region.



### Additional products for placement:

Multilink® Automix

Universal luting composite for maximum bond strength

OptraFine

Polishing system with different shapes for ceramic restorations

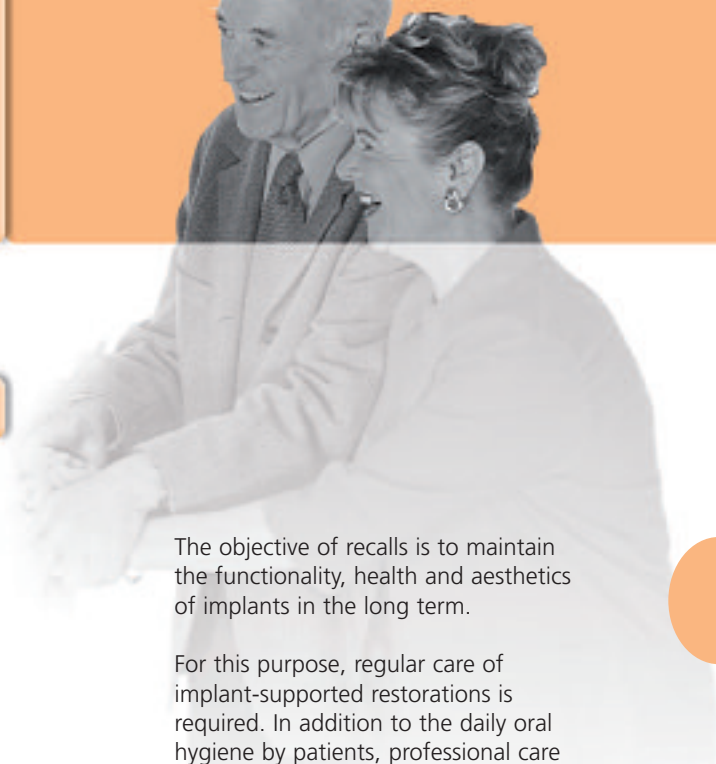
OptraPol

Polishing system with different shapes for composite restorations with trans-occlusal screws

bluephase®

High-performance LED polymerization lights

# RECALL



## PROFESSIONAL CARE



The objective of recalls is to maintain the functionality, health and aesthetics of implants in the long term.

For this purpose, regular care of implant-supported restorations is required. In addition to the daily oral hygiene by patients, professional care is of particular importance.

Professional care includes the check of the implant and the prosthetic restoration as well as professional cleaning.

Proxyt® polishing pastes can be used to gently and selectively remove bacterial plaque on natural teeth and prosthetic restorations. Three levels of abrasion are available to suit different requirements: coarse, medium and fine.

The pumice-free Proxyt fine paste with RDA = 7 is suitable for the care of valuable sensitive surfaces without any loss. The additional components xylitol and fluoride optimize the effect. Consequently, the renewed accumulation of bacterial plaque is prevented.

### Additional products for recall:

Cervitec® Plus

Chlorhexidine-containing protective varnish for reducing bacteria

Cervitec® Gel

Oral healthcare gel with chlorhexidine and fluoride for the effective care of the gingiva

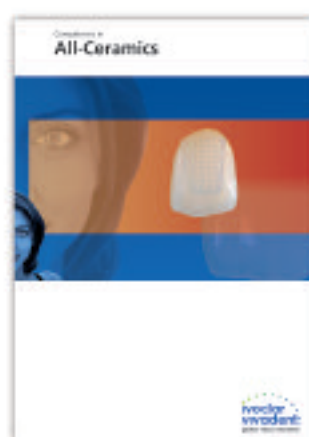
OptraGate®

Patient-friendly mouth opener for a facilitated access to the oral cavity

[www.ivoclarvivadent.com](http://www.ivoclarvivadent.com)



Competence in  
**Composites**



Competence in  
**All-Ceramics**



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**Implant Esthetics**