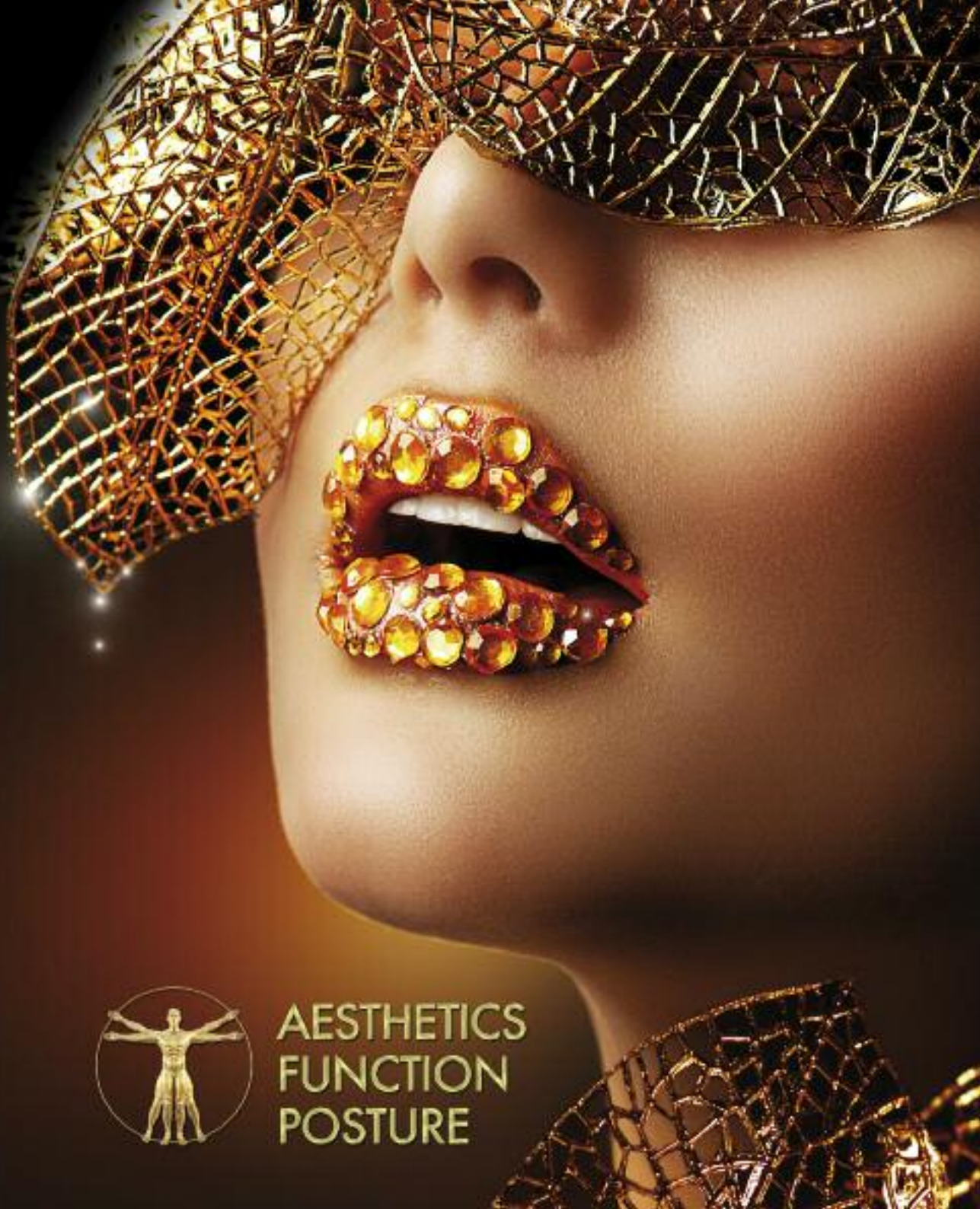


ENAHRI FUNCTION



AESTHETICS
FUNCTION
POSTURE



What is occlusal balance?

The concept of **OCCLUSAL BALANCE** is different from **OCCLUSAL STABILITY**: it's a dynamic concept closer to physiology. During his life, the patient changes his own occlusion physiologically, due to ageing, stress or different habits, but he never loses his **Occlusal Balance**, even if it adjusts.

NATURAL ENAMEL is a **HARD** enough tissue to support the chewing loads; it is at the **SAME TIME** a **WEARABLE** tissue which adapts to the occlusal adjustments. In this way, the patient can preserve his **OCCLUSAL BALANCE** although the occlusion and the position of the mandible change.



ENA HRI® Function

Nowadays all restorative materials have excellent aesthetic properties which are comparable with one another, while we still know very little about their mechanical-functional features, especially in relation with occlusion.

The choice of materials is the key to get long-lasting results which approach to natural enamel according to aesthetic and above all functional and occlusal standards.

**We completely changed
the composite aesthetics
NOW....**

**Let's change
the occlusion therapy**



WEAR COMPARATIVE ANALYSIS

University of Chieti - Prof. Camillo D'Arcangelo

	Wear Depth (mm)	Volume Loss (mm ³)	Antagonist Wear (mm)
After 120.000 cycles with chewing machine vs Zirconia			
Ena HRI UE2 <i>Light cured with dentist's curing unit</i>	0.485 (0.064) ^c	1.452 (0.245) ^d	0.010 (0.007)
Composite F* (enamel) <i>Light cured with dentist's curing unit</i>	0.464 (0.069) ^c	0.972 (0.247) ^{b,c,d}	0.004 (0.002)
Ena HRI Function EF3 <i>Light cured with dentist's curing unit</i>	0.335 (0.069) ^b	0.529 (0.139) ^{a,b,c}	0.006 (0.001)
Ena HRI UE2 <i>Light cured with Laborlux**</i>	0.463 (0.063) ^c	1.016 (0.198) ^{c,d}	0.015 (0.013)
Composite F* (enamel) <i>Light cured with Laborlux**</i>	0.459 (0.068) ^c	1.017 (0.239) ^{c,d}	0.016 (0.017)
Ena HRI Function EF3 <i>Light cured with Laborlux**</i>	0.276 (0.058) ^{a,b}	0.464 (0.191) ^{a,b}	0.016 (0.003)
Pressed Ceramic	0.303 (0.065) ^{a,b}	0.531 (0.143) ^{a,b,c}	0.002 (0.002)
Gold type III	0.219 (0.060) ^a	0.328 (0.140) ^a	0.004 (0.005)
Human Enamel	0.216 (0.070) ^a	0.404 (0.200) ^a	0.013 (0.004)

* reference composite chosen after identified as the best among the ones tested during the preliminary phase

** curing unit for laboratory; it cures with heat (70°C/80°C)

**The comparative analysis highlights
the excellent wear resistance
of Ena HRI Function,
light cured with dentist's curing unit
and with Laborlux**

THE MOST RESISTANT COMPOSITE

ENA HRI FUNCTION IN DENTAL OFFICE



ENA HRI FUNCTION = NATURAL ENAMEL

ENA HRI FUNCTION IN LABORATORY



COMPOSITE ON THE MARKET



Restorations made directly in the dental office. Please note the perfect chromatic and anatomical integration.

= WEAR = AESTHETICS = UNIQUE!



Case finished with adhesive overlays and crown made in HRI Function composite and crown in gold-HRI Function composite on implant. All restorations have been prepared and cemented to respect the new vertical dimension and the new occlusion achieved with diagnostic wax-up and confirmed by occlusal bite and MRI.

WEAR FACETS

after 120.000 cycles with chewing machine
(University of Chieti - Prof. Camillo D'Arcangelo)

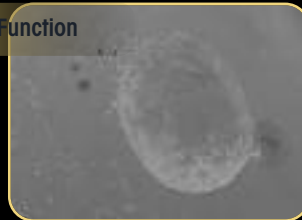
Natural enamel



Gold



Ena HRI Function



F Composite



E Composite



WEAR FACETS AFTER 120.000 CYCLES

ENAHRI[®] Function

PHYSICAL DATA

Vickers Hardness:	760 Mpa
Flexural Strength:	150 Mpa
Modulus of elasticity:	11.500 Mpa
Compressive Strength:	460 Mpa

Enamel-composite system to restore the function in a micro-invasive way respecting the neuromuscular system and getting an excellent aesthetic integration. Enamel shades subject to low abrasion that are comparable to natural enamel. Ideal for use in posterior areas with direct or indirect technique and especially for prosthetic rehabilitations.





Over the years we completely changed the composite aesthetics, first with **Ena HFO**, developed in cooperation with Prof. Lorenzo Vanini, and then with **Ena HRI**, the only composite with the same refractive index as natural enamel. Now we want to introduce on the market:

Ena HRI Function

the only composite,
ideal for posterior,
with mechanical and
functional characteristics
identical to gold and
similar to natural enamel,
that maintains the
OCCLUSAL BALANCE
over time



ENA HRI[®] Function

EHR6FC

ENA HRI FUNCTION TRIAL KIT
including 6 syringes 2,5 g
4 dentin: UD1, UD2, UD3, UD4
1 universal enamel UE2
1 "Function" enamel EF3

ER3FC

ENA HRI FUNCTION KIT
including 3 syringes 2,5 g
3 "Function" enamels: EF1, EF2, EF3

EHR6FCT

ENA HRI FUNCTION TRIAL KIT
including 36 tips (6 tips x 6 shades)
4 dentin: UD1, UD2, UD3, UD4
1 universal enamel UE2
1 "Function" enamel EF3

ER3FCT

ENA HRI FUNCTION KIT
including 18 tips (6 tips x 3 shades)
3 "Function enamels": EF1, EF2, EF3



Micerium S.p.A.
Via G. Marconi, 83-16036 Avegno (GE) Italy
Tel. (+39) 0185 7887 880 • Fax (+39) 0185 7887 970
micerium@micerium.com • www.enahri.com
File: Ena HRI Function IMG v2_1_04-2015

