

Advantages of “Wrapping” the Incisal Edge and Interproximal Surfaces in Porcelain Veneer Preparation





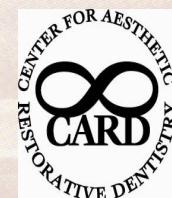






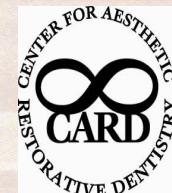
Advantages of “Wrapping”

- 1. More precise veneer seating**
- 2. Potential for future interproximal decay is virtually eliminated**
- 3. A more esthetic restoration, especially with darker teeth**
- 4. Potential for post-operative interproximal staining is virtually eliminated**



Advantages of “Wrapping”

- 5. Stronger restorations**
- 6. Provisional restorations are more secure**
- 7. During veneer seating, excess filled resin is more accessible to removal**
- 8. Form, especially width, of individual restorations can be idealized**
- 9. Preparation remains in enamel**

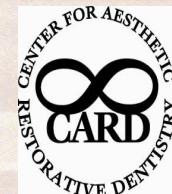


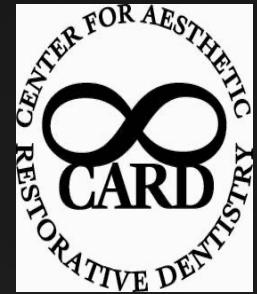
Disadvantages of “Wrapping” the Incisal Edge and Interproximal Contacts in Porcelain Veneer Preparation:

- Slightly more tooth structure removal**

Highton, 1987, *J Prosthet Dent*:

“Incisal/inter-dental overlap appears to provide the veneer with a superior intrinsic resistance due to better stress distribution in the restoration itself.”





Other information regarding “wrapping”

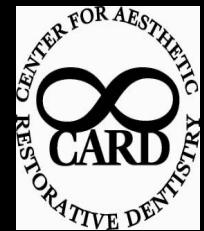




Magne, Douglas, 1999,

Intl Prosthodont

“The removal of facial enamel negatively affected stress and strain distribution, whereas the removal of interproximal surfaces did not seriously increase the crown deformation.”

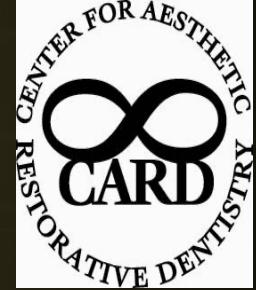




Peumans, et al, 1988,
Quintessence Int:

“At five years, two carious
legions were observed.
In both cases, they were
located at the
interproximal margin of
the veneer restorations.”





Magne, Belser, 2002,
Bonded Porcelain Restorations:

**The establishment of interproximal
and incisal wraparound offers
many advantages:**

- It facilitates the esthetic definition of the veneer in the incisal zone
- It enhances the liberty of the dental ceramist with respect to form and emergence profile of the restoration
- It facilitates the placement of the final restoration, e.g. stabilization of the veneers, and easy access to all margins during bonding

Magne, Douglas, 1999,

Intl J Prosthodont:

Our result is in accordance with previous work on natural teeth, which states that the reduction of proximal enamel does not seriously increase the crown deformation.

It is concluded that the removal of facial and palatal enamel more seriously affects the strength of the teeth than the removal of interproximal enamel.

