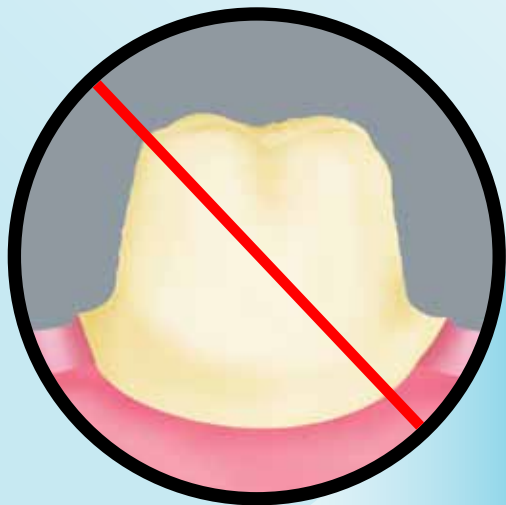


What is BioMimetic Dentistry

BioMimetic dentistry is a completely new way that dentists use restore tooth structure lost to decay. In conventional techniques used for the last hundred years, dentists first removed decayed tooth structure. Then they would have to grind away GOOD tooth structure. The removal of this GOOD tooth structure would many times weaken the tooth even further. In many cases there was simply not adequate tooth structure left to hold a crown that would last many years. BioMimetic dentistry solves many of the problems that dentists have had in the past. The following illustrations will give you an idea of the significance of these revolutionary techniques that are now available at our office. Few dentists are trained in this cutting-edge technology. But, Dr. Richard Gagne was first introduced to these techniques in 2006, and trained with Dr. Pascal Magne, the dental researcher that coined the term "BioMimetic Dentistry".



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BioMimetic Dentistry

Science helping nature



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Advantages of a BioMimetic crown

- Less healthy tooth structure is removed.
- Less potential chances of damaging the nerve inside the tooth.
- The visual look of the restoration is identical to the natural tooth structure.
- Chances of decay getting under the restoration are small compared to a conventional crown.

Disadvantages of a BioMimetic crown

- There is the possibility that the porcelain crown could fracture.
- There is the possibility that the porcelain crown could de-bond (fall off) the tooth. This would require a new crown to be made.

Actual patients treated in our office



Before



After



Before



After

Conventional Dentistry



Decay has progressed and a crown is now indicated.



The decay is removed so that only good and solid tooth structure remains.



Because a conventional crown is held in place by the way the tooth is shaped, the dentist must drill away significant healthy tooth structure.



A metal crown is now placed over the tooth.

BioMimetic Dentistry



Decay has progressed and a crown is now indicated.



The decay is removed and a small portion of the tooth is removed to make it ready for the BioMimetic crown.



Because a BioMimetic porcelain crown is bonded to the tooth, extensive drilling of the tooth is not required.



A porcelain crown is now "bonded" over the tooth using resins. This restores the tooth back to its natural state.