

CARLSON BIO-LOGICAL BRIDGE

The Tensional-Integrity Bridge

The ***bio-logic bridge*** that has been or will be constructed for you is totally unique in that there is no metal framework. Since there is no metal to corrode, there is little possibility for electric disturbance of the nerves, muscles, or blood vessels of your body. This is important for those who are extremely sensitive to small electrical currents generated by the metals used to fill or restore human teeth.

Since there is no electrical current, there is no metallic decay of the "composite material" being used in the innovative method of the ***Superior Bio-Logic Dental Bridge*** (Carlson Bridge) and thus no metal ionization (corrosion) that could lead to systemic metal toxicity. The composite material is made of silica and a polymer consisting of hydrogen, oxygen, carbon and other trace elements. These elements are not released since there is no "corrosion potential." The lack of an electric current, which normally causes the rusting of the metal in your mouth, is one of the many advantages of this procedure.

An equally important advantage is that little or no tooth structure is cut. The natural tooth structure is maintained as much as possible. In the traditional method of cutting the teeth and making a metal bridge, there is a fifty/fifty chance for degeneration of the tooth being cut. The ***Carlson Bridge*** avoids this destructive procedure and offers the best chance possible for long term vitality of the existing teeth.

Another advantage is that this procedure can be done in one appointment. The day one comes in is when the bridge is made in this unique patented process. Follow-up appointments are needed, however, to insure the proper fit, care, and maintenance. As in the purchase of any tool or product, care and maintenance is necessary. Without this care, unnecessary failure may occur. The success of this procedure is directly related to the condition of the mouth and how well you take care of the bridge.

The average life of a fixed dental bridge, according to the insurance industry, is five years. With proper care and maintenance on your part, along with suggested routine dental visits, the ***Carlson Bridge*** will last for many years to come. How long it will last for you is dependent upon how you use it. Since it is all "ceramic," it can not be used to crack hard nuts, seeds, popcorn kernels, ice cubes, frozen nut bars, chewy steaks and bagels, or the like. Care must be exercised to not directly chew the first bite of food on the bridge. The "first chew" of a bite of food should be made on your other natural teeth, and after proper mulling of the food on those natural teeth, you may shift it onto the ***BIO-LOGIC BRIDGE***.

Remember, the purpose of the dental bridge is to 1) maintain the integrity of the dental arch, 2) create a good appearance, 3) aid in coherent speech, and 4) facilitate chewing food.

Please adhere to the following instructions closely:

1) Since the strength of this all-ceramic direct bridge is dependent upon adequate thickness, the feeling of "thickness" or fullness may seem awkward at first. Your tongue, cheeks, and other dental structures will get used to this feeling. Adjustments can be made but only after a time of **accommodation**. This time of *accommodation* or *integration* varies with each individual.

2) For the first month (30 days), chew in other areas and not directly on the newly installed bridge. It takes time for the material to harden and solidify for optimum use. As with newly poured concrete, for example, caution must be exercised in early use. Also, please avoid extremely hot or cold food during the first month after insertion of the Bio-Bridge. Excessive heat or cold will cause disproportional expansion and contraction of the teeth holding the bridge and may cause damage.

- 3) The teeth holding the newly installed bridge may be sensitive to biting for several weeks or several months. The response of the teeth to pressure of biting and hot or cold foods is dependent upon the pre-existing condition of these teeth. Since a once existing natural tooth is being replaced in your mouth with a false tooth or bridge, **the conditions are not normal**. In essence, one is now expecting two teeth to do the work of three. Realistically, you have **two-thirds** (2/3) the strength of what you once had. Do not "challenge" this already weakened area with foods that are too hard or too fibrous.
- 4) If you grind your teeth at night, you may harm the new bridge. Night-time grinding should be resolved or treated with a "night-guard" before the bridge is installed. However, it is not uncommon for a person to be unaware of his grinding habit until after the bridge is installed.
- 5) A visits every six months, or at least once a year, for bridge inspection is advised. Early intervention is recommended if repair is needed. This important care may also help you avoid unnecessary future work due to dental or gum decay or other problems.
- 6) Daily oral hygiene (cleaning) is essential to prevent decomposition of the teeth, gums, bone and skin in the mouth. Rarely does a bio-logic bridge fail because of the strength of the material. It is the supporting teeth that may break, decay, or prematurely move, due to loss of bone support or skin infection. Your general body health is critical for dental health.
- 7) Use "dental floss threaders" by **Butler** or **Glide** for hygiene under the Bio-Bridge. Brush and floss daily. Bridges fail due more to tooth decay than any other cause. The second most common cause of failure is nerve damage followed by gum/bone decay. Bad breath may be avoided by daily flossing of the teeth, brushing the gums, and brushing the top of the tongue. Use an Oral-B 35 brush that is soft or ultra-soft. Change your brush every one to three months.
- 8) Good nutrition and diet is important for the longevity of all dental work. Without proper **protein intake**, as well as **mineral intake**, all dental work may break down before its anticipated life-time. It is easy and convenient to "blame the dentist" for errors. It's not so easy to look and see the circumstances that lead one to need dental care in the first place!

With this understanding in mind, I make this commitment to you in our work together. You can count on me to apply my God-given-skills to the best of my ability. I stand behind the integrity of my work. I ask that you be candid on any matter that may come up during time of treatment, for it is truth, love and harmony that will resolve any misunderstanding. You have my pledge that I shall do likewise.

Thank you for your time, attention, and co-operation in this innovative process. Aloha!

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