

Case Study 6

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**CASE REPORT – INSTALLMENT #6
HOMER C. Posterior Long Span (2 or more pontics)**

Two Maryland Bridges were made for Mr. C. within eight months of each other. The lower right #28 to #31 (two pontics) and lower left #18 to #21 (two pontics) were placed in October 1987 and May 1988, with Comspan resin cement. Both had given 22 years of uninterrupted service.

At the end of 22 years, the patient was grinding/clenching his teeth overnight and awoke with a broken #28 at the gum line. The MB wing was totally secure onto the buccal and lingual and distal/occlusal of #28, no debond. Failure came at the gumline due to years of severe

abfraction/abrasion/erosion conditions that were maintained by facial cervical composite bonding. A rather small root ed bicuspid, negligible pulp canal on xray, and the age of the patient (92) dictated extraction of the root. #31 had had a root canal over 25 years ago and was securely covered by a full gold crown. The MB wing resting on #31 had been gradually over the years removed by sectioning the buccal and lingual wings at the mesial line angles, leaving only a mesial occlusal rest on the gold crown for many years. This is a stress breaker type Maryland Bridge with an occlusal rest not Bonded, but giving abutment support. Jaw flexing is accommodated and function is superb. Note excellent bone support under pontics. As an aside, the #31 root canal began failing at the same time as the broken bicuspid. A referral to an endodontist provided a redo of the root canal which kept the abutment tooth and crown intact, thus allowing for a new MB from #27 to #31. At age 92, this MB has prevented any real problem for the patient and the new attachment on #27 is secure as is the new attachments on #31, an answer to otherwise partial denture or costly implants. Incidentally, the MB on #18 -#21 is not showing any signs of debond nor failure. It too rests on a full gold crown on #18 and has had the wings removed leaving only a mesial -occlusal rest sitting comfortably on it. These are long term cost efficient and comfortable, compassionate restorations with minimum destruction of abutment teeth.



Fabricated first two by Bo Braze Lab, seated with Comspan. Newest one by Highland Lab and seated with RelyX ARC. Due to debilitating age conditions, patient was unable to continue normal hygiene and regular hygiene dental office appointments. However, the work remained intact and functional without the high costs of implants or hassle of a removable partial.



Unfortunately the patient passed away at age 95, but enjoyed Maryland Bridge success for 26 years! Over a quarter century in the last quarter century of nearly 100 years! Maryland Bridges are excellent for old and young alike!



Note on all these bicuspid I chose to fully wrap the buccal and lingual with rather small occlusal rest preps. This allows for excellent grip anteriorly so that the stress breaker effect on posterior molar is practical.

WRIGHT C.

MB #29X31 was placed 7/24/1996 and served well for 13 years until two rebonds and Alzheimer's dictated change. Patient became disabled with Alzheimer's and #32 was loose. Decided to remove and place a traditional bridge for security and ease of maintenance until deceased 10 months later. Reed Lab made bridge. Seated with Enforce bonding.

