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<th>ID: 4395</th>
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<td><strong>Congress:</strong> The First International Congress of Medical Bacteriology</td>
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<td><strong>Title:</strong> Shear bond strength of porcelain laminate veneer and effect of die spacer thickness</td>
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<td><strong>Authors:</strong> Dr Ghaffari T: Assistant professor, Department of prosthodontics, Tabriz dental faculty  Dr Hamedi Rad F : Assistant professor, Department of prosthodontics, Tabriz dental faculty</td>
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<td><strong>Abstract:</strong> Background: The use of die spacer may affect the shear bond strength of porcelain laminate veneer. But the die spacer necessary for making porcelain laminate veneer is not specified.  Methods: 80 samples of porcelain laminate Veneer rectangular blocks of stone were built that different thickness of die spacer was used (0,2,4,6-layer) on every 20 samples. On the labial enamel of 80 teeth a vertically flat surface was prepared using a low speed diamondcoated saw. Using composite resin cement (Rely x) the laminate specimens were bonded to the etched enamel samples. 40 Mina - ceramics were stored in deionized water at room temperature for a week and another 40 samples were thermocycled. Shear bond strength measurements were performed by universal testing machine. Results by two-way analysis of variance (ANOVA) were compared and mean values were compared by Fisher test.  Results: ANOVA showed that the appropriate application of die spacer and thermocycling exerts a favorable influence on the shear bond strength, but this difference was not significant. Fisher analysis for compare the number of coats of die spacer was 95%. The group with 2 coats of die spacer showed higher SBS values than the group with no coat.  Conclusion: Given the limitations of this study was shown that the 2-coat application of die spacer provides suitable space for cement thickness.</td>
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<td><strong>shear bond strength, porcelain laminate veneer, die spacer</strong></td>
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