

thermocycling¹⁸. Reduced flexural strength after thermocycling process can be explained by water absorption of resin material which leads to PMMA molecules polarization and subsequently water molecules spread into inter-polymer chain.

Conclusion

Mead way resin have the highest flexural strength in non-

thermocycling conditions compared to Meliodent, and Vertex resins, and even after the thermal cycles, it have the highest flexural strength compared to the four types of acrylic resin. The flexural strengths of all resins were significantly reduced after thermocycling.

Conflict of Interests

None Declared ■

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