

CHITOSAN NANOPARTICLES





The Stress-Free Future of Dental Restorations: Stress Absorbing Restorative Composites-SARCs



CONCLUSION

Anterior restoration with

Aesthetics

Posterior restoration with

Durability

- 1) Mimics natural resilience with aesthetic and functional benefits
- 2) Long-term impact

Distribution of

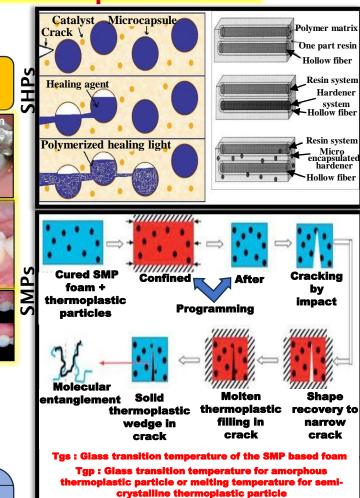
Occlusal forces

- 3) Minimizes stress concentration by absorbing and distributing occlusal forces evenly
- 4) Supports tooth structure
- 5) Promotes and improves restoration longevity

Bioactive &

Biocompatible

6) Integrates with tooth anatomy



FUTURE DIRECTIONS

Personalized bite and occlusal pattern with more resiliency and durability using **CAD-CAM** and when Al-driven