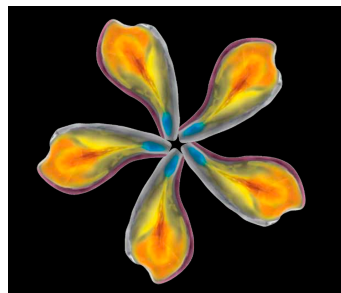



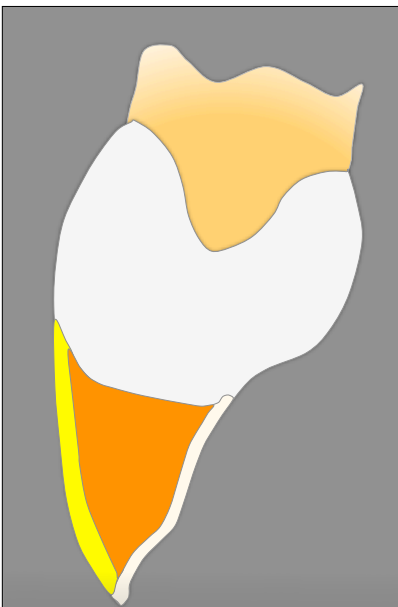
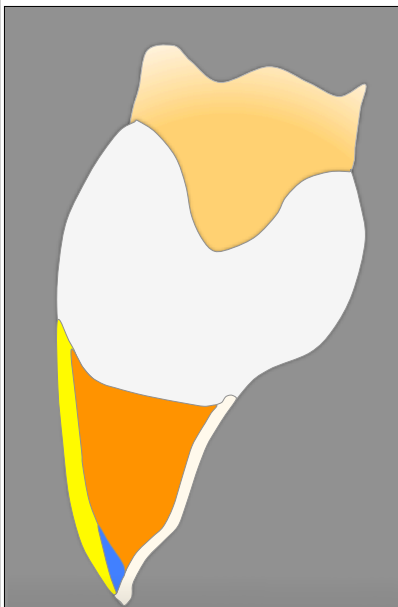
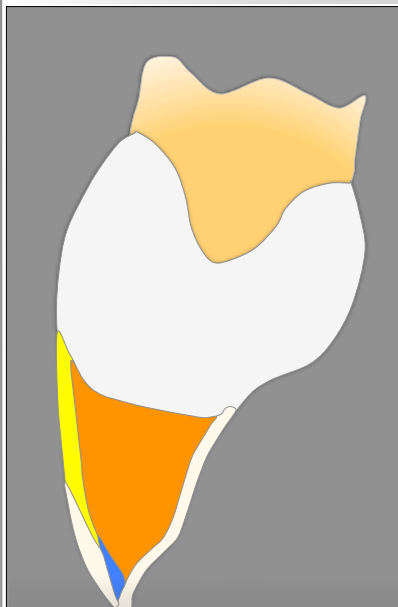

MASTERING COMPOSITE ARTISTRY
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COMPOSITE

— Creating Anterior Masterpieces —








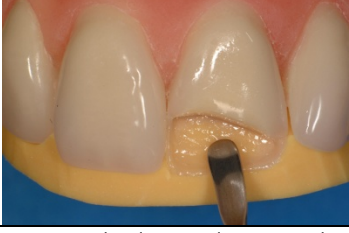


with Estelite Omega by Tokuyama Dental America




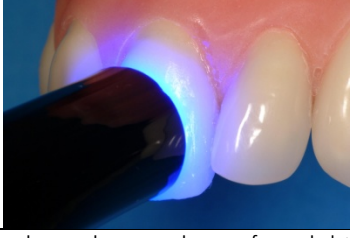

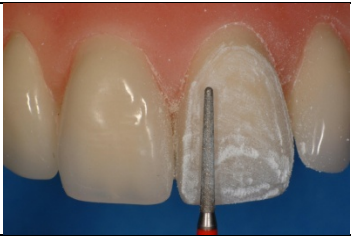




A Hands-on Experience with
Newton Fahl, Jr., DDS, MS

|  <p>Restorative Approaches Class IV</p> | | selection criteria COLOR & OPTICAL PROPERTIES |
|--|---|---|
|  <p>little or no translucency</p> |  <p>minor to moderate translucency</p> |  <p>moderate to strong translucency</p> |
|  <p>TYPE 1 3 shades</p> | <p>TYPE 2 4 shades</p> | <p>TYPE 3 5 shades</p> |

CLASS IV

| | |
|---|--|
|  |  |
| <p>1. Fabricate silicone matrix and trim it at the facio-incisal line angle.</p> | <p>2. Create a Class IV defect.</p> |
|  |  |
| <p>3. Place 2 mm labial bevel</p> | <p>4. Place 1 mm thick/long lingual chamfer</p> |
|  |  |
| <p>5. Try in silicone matrix</p> | <p>6. Apply bonding agent</p> |
|  |  |
| <p>7. Apply .3 mm thick enamel – lingual shelf</p> | <p>8. Create incisal edge and proximal contacts</p> |
|  |  |
| <p>9. 3D frame is established</p> | <p>10. Place and sculpt artificial dentin</p> |

| | |
|---|--|
|  |  |
| <p>11. Apply translucent effect enamel</p> | <p>12. Artificial body enamel is applied and contoured leaving room for value effect enamel</p> |
|  |  |
| <p>13. Value effect enamel is applied and sculpted to attain final labial anatomy</p> | <p>14. Final supplemental cure from labial and lingual aspects</p> |
|  |  |
| <p>15. Primary anatomy is achieved with finishing discs</p> | <p>16. Secondary anatomy is achieved with diamond or carbide burs</p> |
|  |  |
| <p>17. Tertiary anatomy is achieved with fine diamond bur</p> | <p>18. Rubber rotary finishing and polishing instruments and silicone carbide brush are used</p> |
|  |  |
| <p>19. Final gloss/polish is effected with polishing paste and felt disc</p> | <p>20. Final restoration showing beautiful integration of form and color</p> |

Class IV – Central Incisor – # 9

1. Place a 2.5 mm long bevel facially (**diamond # M 862/009**) and a 1.0 mm long chamfer lingually (**diamond # M 850/014**). **Practical hint:** a) Bevel should be about 2 mm long, b) as thick as the enamel, at least, and c) infinite (round off the bevel finish lines to make it infinite).
2. Break through the glaze of the acrylic tooth by roughening it with diamond **M 862/009**.
3. Apply adhesive to all tooth surfaces and light cure.
4. Using the silicone matrix as a rampart, apply a thin layer of **Estelite Omega MW Enamel (1)** to create a lingual shell encompassing the lingual chamfer up to the incisal edge.
5. Light cure for 5 seconds. Remove the silicone matrix and cure for an extra 5 seconds on the lingual.
6. Apply **Estelite Omega DA1 (2)** over the lingual shell facially to create a higher chroma artificial dentin build-up and bring it to final histological contour. Use the labial silicone matrix to check remaining thickness for subsequent enamel layers. Leave about 0.5 mm of space for body enamel over bevel area and 0.8 mm for value enamel over incisal one third. Mamelon anatomy should be accomplished at this step. Keep short of incisal edge about 1.5 mm.
7. Light cure for 5 seconds.
8. Apply **Estelite Omega Trans Enamel (3)** around, in-between, and slightly over the mamelon tips and sculpt it to proper anatomy but short of the final facial contour. This will further create incisal translucency/depth.
9. Light cure for 5 seconds.
10. Apply a large increment of **Estelite Omega EB1 (4)** to facial aspect past beyond the bevel and over the artificial dentin layer. Sculpt this increment to full facial contour at the middle third but short of full facial and proximal contour at the incisal third. Mamelon tips should still be evident after placement and cutting back of this layer.
11. Light cure for 5 seconds.
12. The final facial anatomy is now achieved by the application of **Estelite Omega MW Enamel (5)** over the incisal and middle thirds. Place a Mylar strip between the two centrals, contour the mesial aspect, and pull the matrix through to close the contact. This layer should be slightly overcontoured to allow proper achievement of anatomy during the finishing step.
13. Light cure both facial and lingual aspects for 10 seconds each.
14. Achieve primary anatomy with $\frac{3}{4}$ " Sof-Lex XT course disc.
15. Place transitional line angles and long axis with pencil.
16. Place secondary anatomy with bur **# F 888/012**.
17. Use fine and superfine finishing diamonds to further refine the secondary anatomy and place tertiary anatomy **# F 888/012 and # SF 888/012**.
18. Smooth out undesired surface texture with blue and pink FlexiCups and FlexiPoints. Achieve final polish with FlexiBuff and Enamelize.

NOTES: