

MIRAGE :THE INTRIGUING IMPACT OF OPTICAL ILLUSION IN COMPOSITE.

PGE-293

INTRODUCTION :Optical illusion is a visual phenomenon where what you perceive with your eye differ from reality in dentistry it is term used to create appearance of natural teeth by manipulating light ,colour ,shade ,shape .

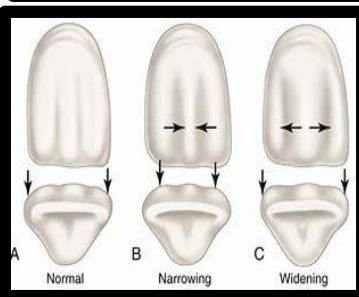
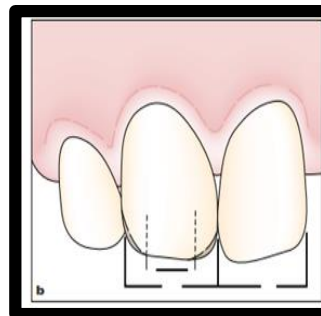
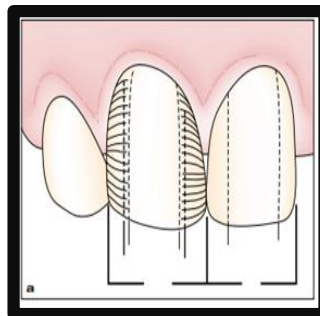
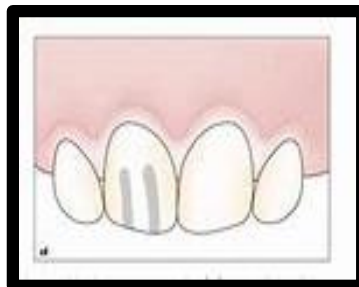
HOW TO CREATE ILLUSION:

- ❖ Shade Gradation
- ❖ Light reflection and refraction
- ❖ Contour and shade manipulation
- ❖ Creating symmetry
- ❖ Surface texture

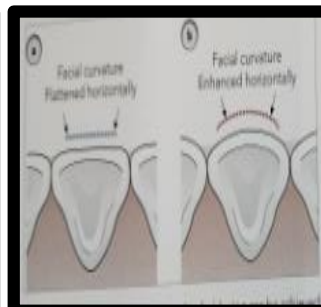
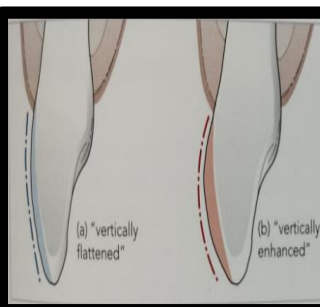
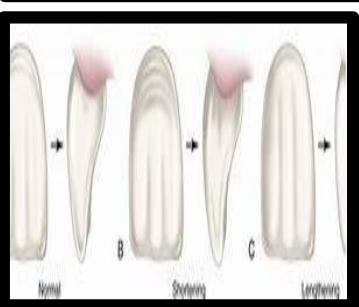
BENEFITS OF ADDING ILLUSION

1. Natural appearance
2. Enhanced esthetics
3. Customized smile design

Clinical steps



ILLUSION TECHNIQUES



CLINICAL APPLICATIONS

1. DIASTEMA CLOSURE



2. PEG LATERAL BUILD UP



3. CHIPPED TEETH REPAIR



4. DISCOLOURED TOOTH



5. ANTERIOR CROWNS AND VENEER

Reference : Katsarou T, Antoniadou M, Papazoglou E. Effectiveness of optical illusions applied on a single composite resin veneer for the diastema closure of maxillary central incisors. Int J Esthet Dent. 2017 Mar 1;12(1):42-59.