

DECODING THE ROLE OF EYE DOMINANCE IN SHADE MATCHING AND COLOR PERCEPTION AMONG DENTISTS

Esthetics in dentistry has come a long way with numerous procedures. When fabricating a restoration, patient satisfaction with the shade match is essential. To provide an esthetic restoration to the patient, the dentist must have a full understanding of the science of color and color perception. Matching the correct shade satisfies both the dentist and patient and gives a pleasing appearance to the patient.



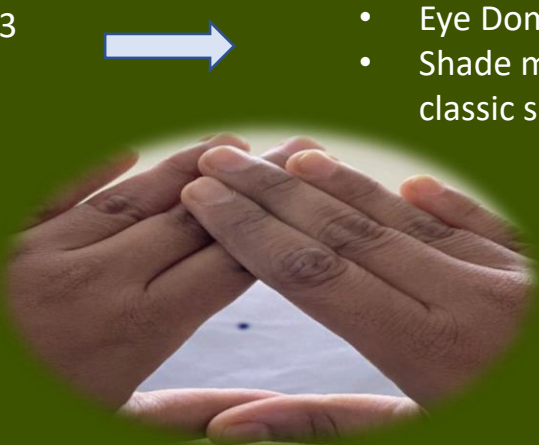
AIM : To evaluate eye dominance and shade matching accuracy on undergraduate and postgraduate students.

METHODOLOGY

Total 150 participants were selected for the study. There were 3 groups: Group I: 3rd year dental students (n = 50); Group II: 4th year dental students (n = 50); Group III: Interns and Post graduates (n = 50) and these three groups were evaluated.

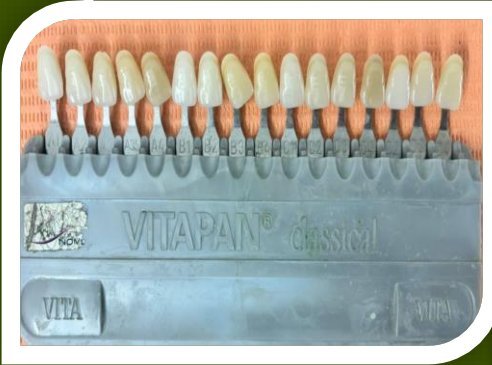
RESULTS

Shade match accuracy test (% overall)	GROUP I	GROUP II	GROUP III
WITH DOMINANT EYE(89%)	42 (84%)	45(90%)	47(94%)
WITH NON-DOMINANT EYE(84%)	39(78%)	43(86%)	44(88%)



Mile's test

- Eye Dominance testing -Mile's test
- Shade matching accuracy test- VITAPAN classic shade guide.



VITAPAN classic Shade guide

CONCLUSION

Dominant eye performed better for color perception and shade matching. With increase in clinical experience, shade matching was observed to be better with the dominant eye.

Mile's test

DOMINANT EYE (% overall)	GROUP I	GROUP II	GROUP III
RIGHT(52%)	22(44%)	27(54%)	30(60%)
LEFT(47%)	28(56%)	23(46%)	20(40%)