

Evaluation of a Dental Materials Manual for Faculty Calibration

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INTRODUCTION & OBJECTIVE

This study aims to evaluate changes in faculty knowledge of available dental materials and their proper applications/uses, following faculty calibration through study of a clinical materials manual.

- Dental treatment planning and diagnoses can vary based on practitioner’s educational history, training, and training experience
- A standardized reference of restorative materials available on the clinical teaching floors has been developed
- The effects of delivering a standardized dental materials manual was measured through statistical analysis of a pre and post-test experiment

METHODS

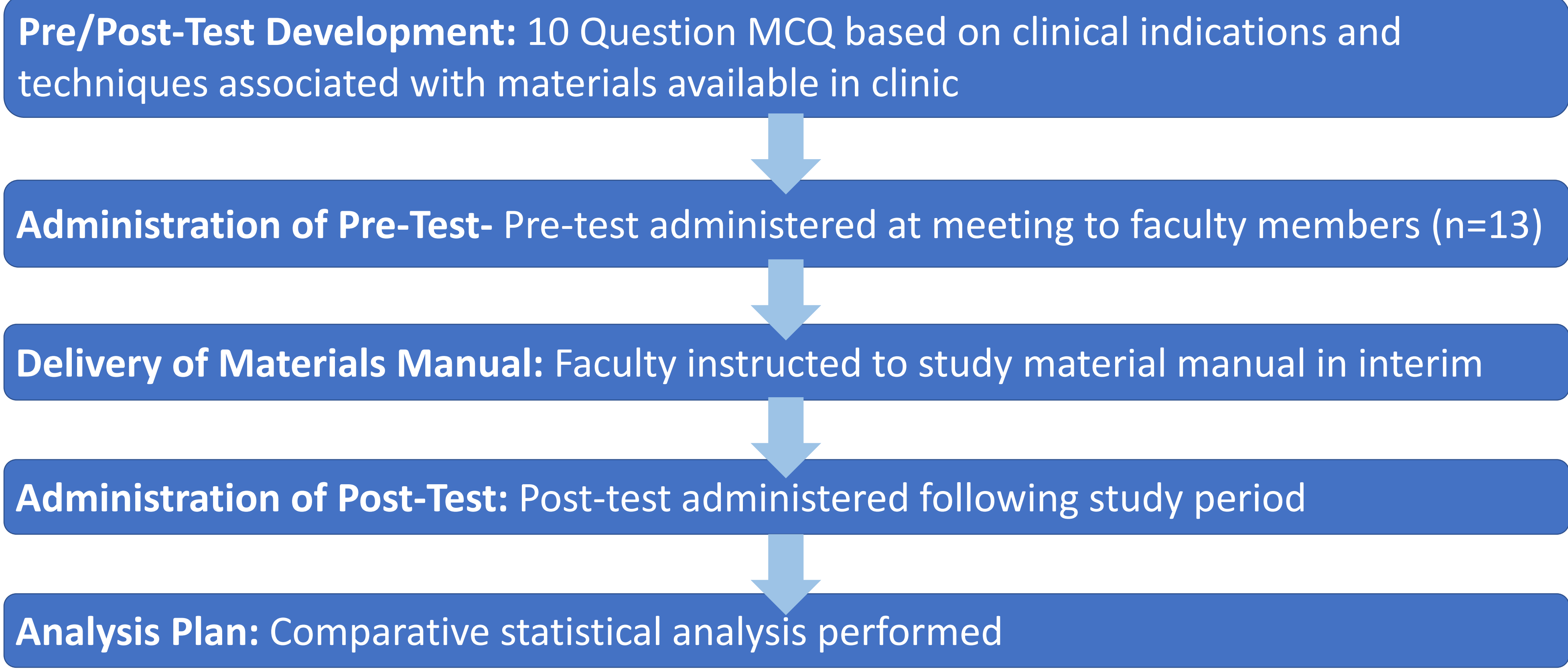
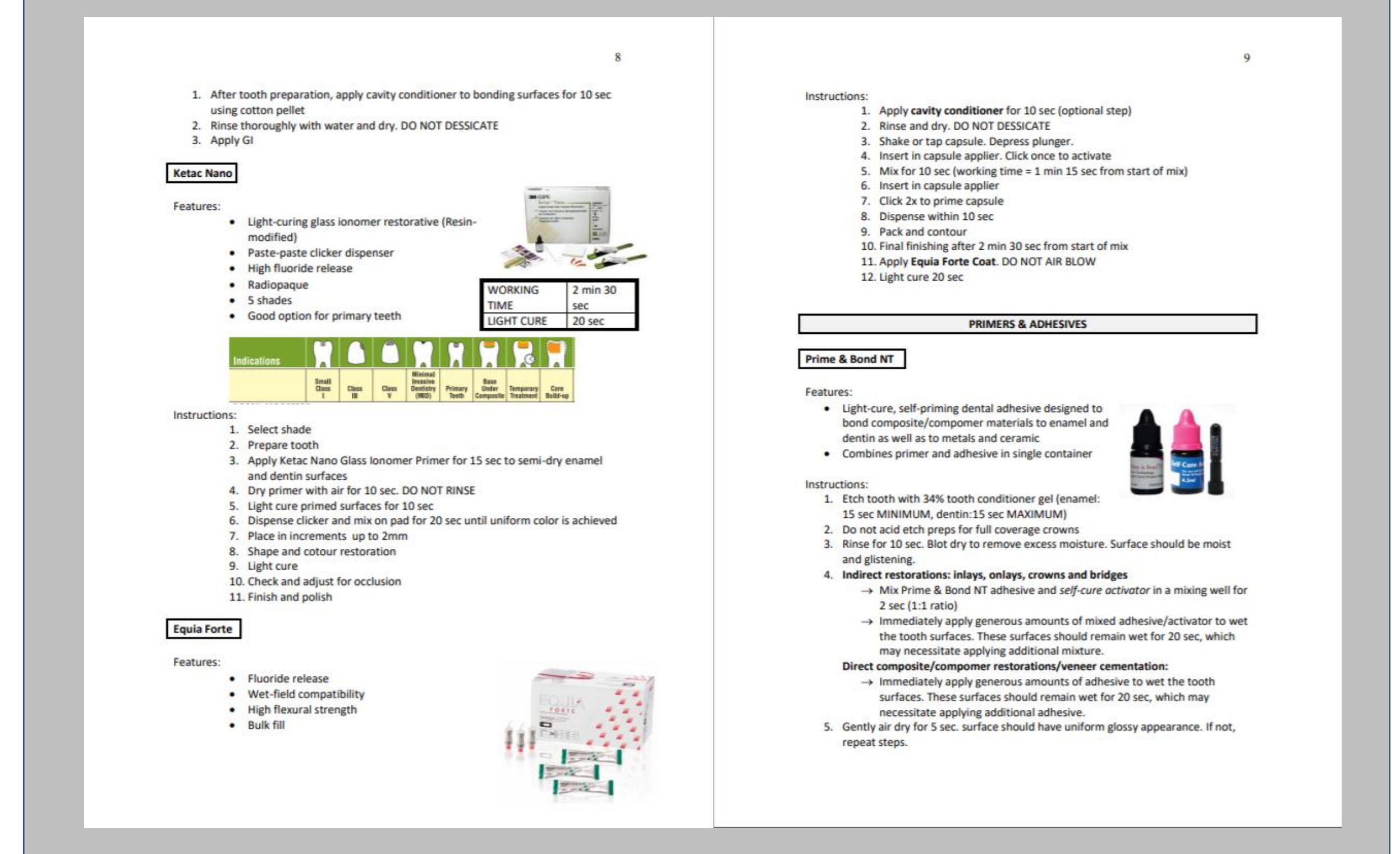


Figure 1: Sample 2-page spread of materials manual



RESULTS

Figure 2: MCQ Pre/Post Test Evaluation

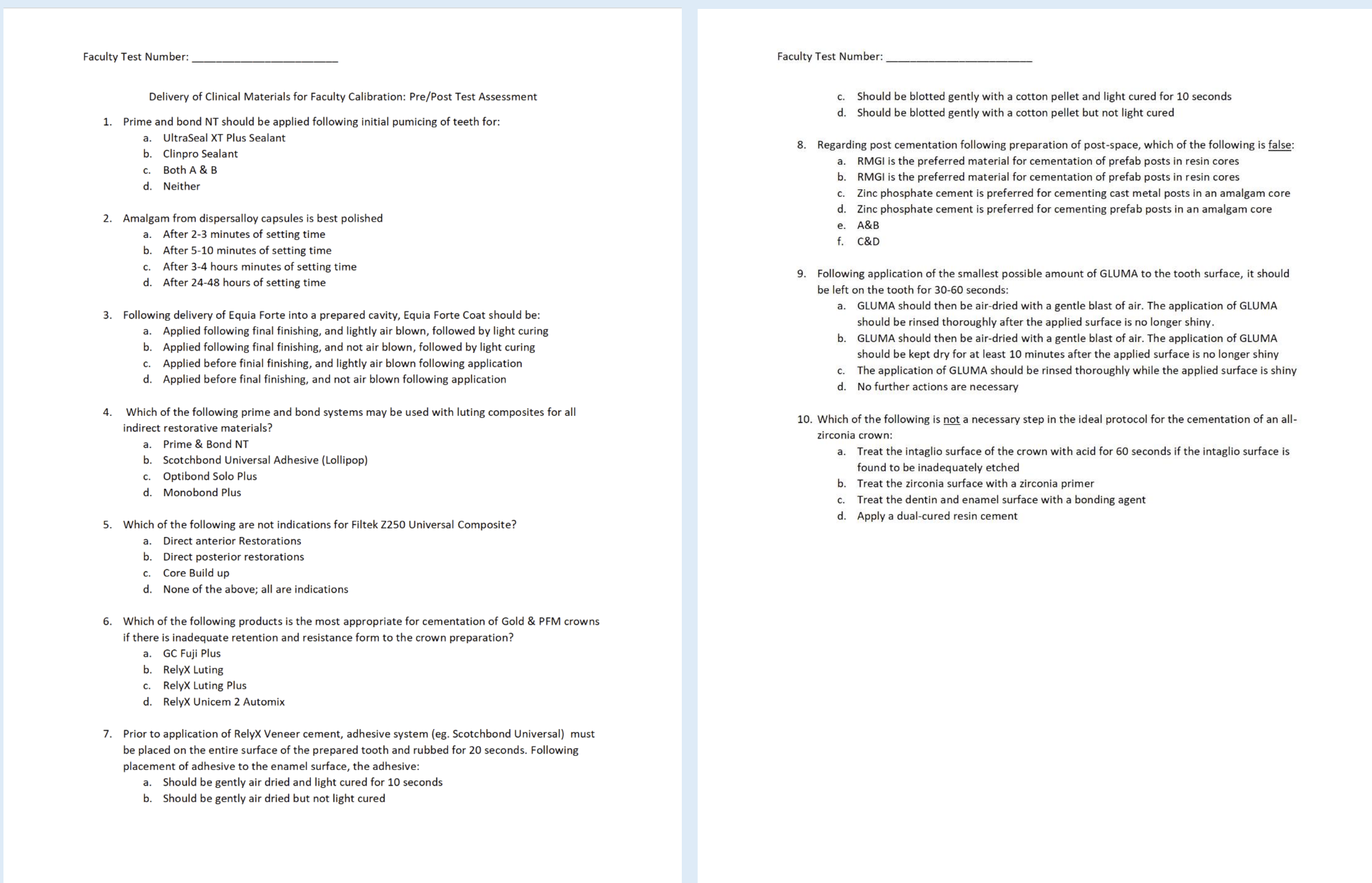


Figure 3: Comparison of Performance on Pre-test vs. Post-Test by Question Item #

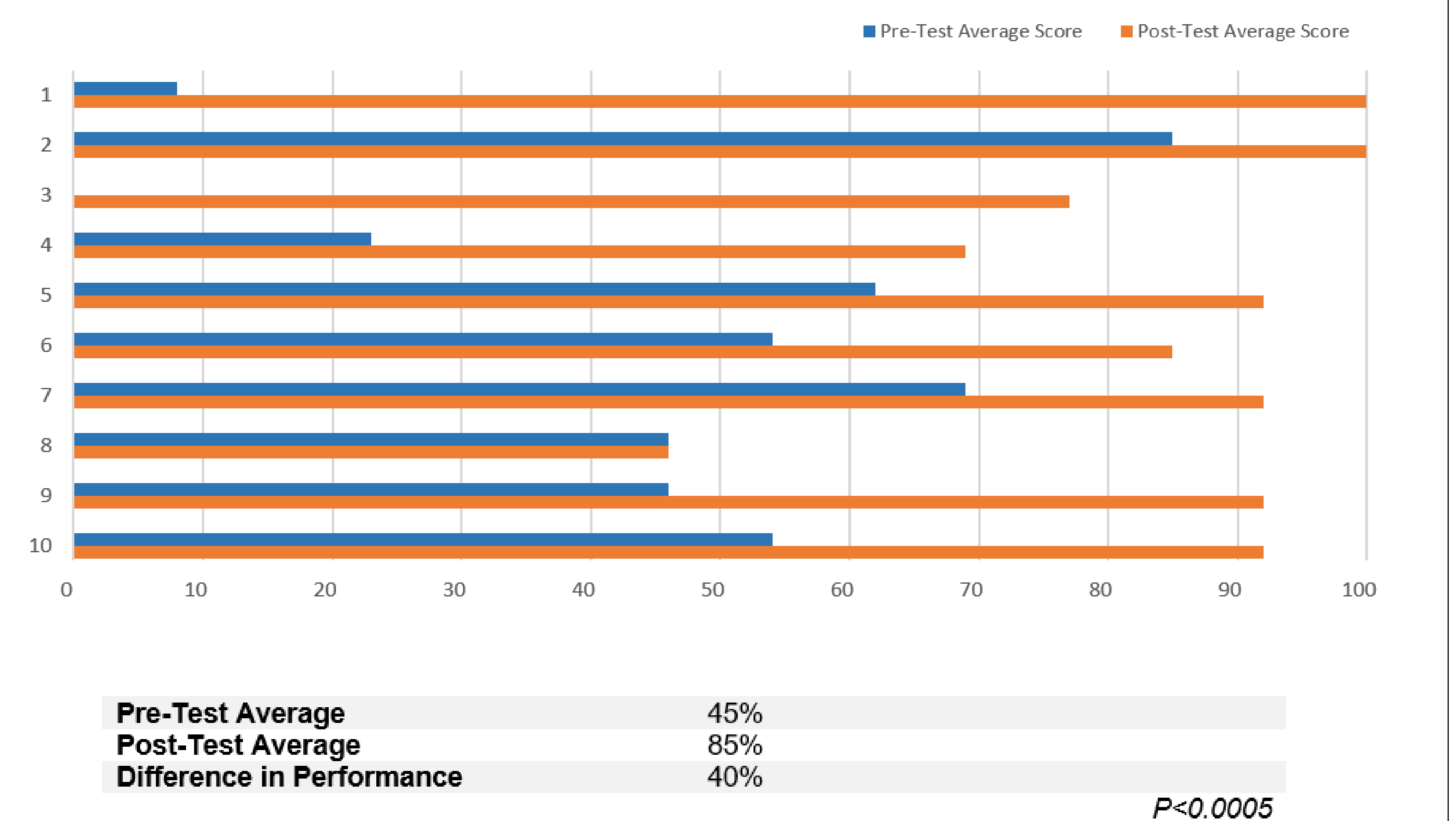
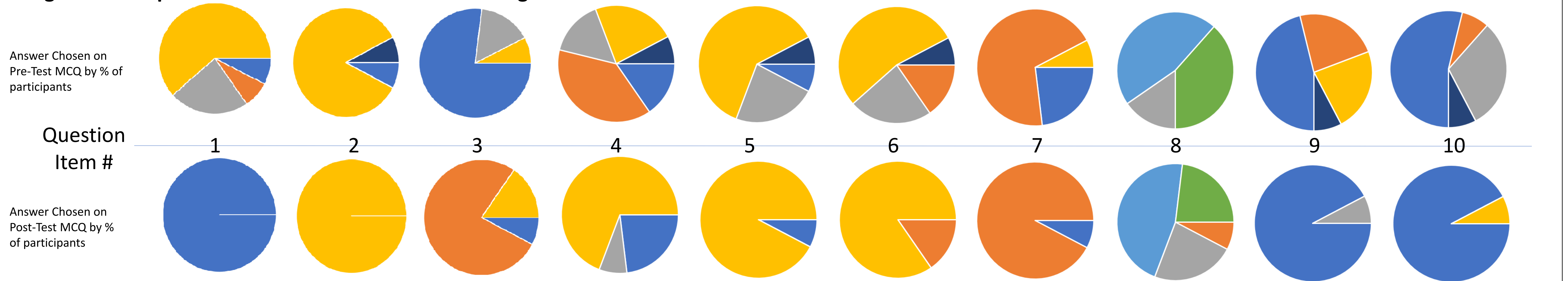


Figure 4: Comparison of Pre- and Post- Test Knowledge Consensus



CONCLUSION AND DISCUSSION

- Delivery and study of a clinical material manual may result in improvements in faculty knowledge related to dental materials used on the teaching floor, as evaluated through a pre- and post- test assessment
- Better consensus of faculty knowledge was suggested through an improvement in scores, as demonstrated in pie chart comparisons
- Further study of the efficacy of a restorative dental materials manual may include evaluation of student knowledge before and after utilization