After completing this course, the participant will have:
1. Knowledge concerning the stability of treatment using distal jet followed by fixed appliances in Class II malocclusion therapy.
2. Familiarity with reasons for the failure of orthodontic treatment and patients seeking retreatment, as well as profile differences between first-time patients and those seeking retreatment.
3. An understanding of the efficacy for certain types of tooth movements using the technologically improved Invisalign appliance.
4. Awareness of methods to reduce the hazard of aerosol-generating procedures in an orthodontic practice.

**Article 1: Stability of Class II malocclusion treatment with the distal jet followed by fixed appliances, by Sorileé Carliña Ramon Pujols et al**

1. This study aimed to assess the success of Class II malocclusion treatment with distal jet, followed by fixed appliances.
   - TRUE
   - FALSE

2. The researchers used lateral cephalometric radiographs taken for each patient in the study at the pretreatment, posttreatment, and long-term posttreatment stages.
   - TRUE
   - FALSE

3. The authors reported that during treatment, there was a significant increase in lower anterior facial height, which remained stable in the posttreatment stage.
   - TRUE
   - FALSE

4. The authors stated that improvements in molar relationship, overbite, overjet, and dentoalveolar changes obtained with the distal jet followed by fixed appliances, remained stable in the long-term posttreatment period.
   - TRUE
   - FALSE


5. The purposes of this study were to compare patient profiles of adults seeking orthodontics for the first time and those seeking retreatment and to identify the possible causes for the original treatment failings.
   - TRUE
   - FALSE

6. The sample comprised 99 patients in the retreatment group and 100 patients in the control or first-time treatment group.
   - TRUE
   - FALSE

7. The authors reported that poor treatment was the chief reason for the failure of the original treatment.
   - TRUE
   - FALSE

8. The authors suggested that clinicians should not have to be concerned about the profiles of patients seeking retreatment.
   - TRUE
   - FALSE
Article 3: Has Invisalign improved? A prospective follow-up study on the efficacy of tooth movement with Invisalign, by Nada R. Haouili et al

9. The purpose of this prospective clinical study was to provide an update on the stability of Invisalign treatment using the newer technology.
   TRUE
   FALSE

10. There were a total of 44 patients originally enrolled in the study, but 6 were excluded: 3 patients did not complete their treatment on time for data collection, and 3 patients had errors in their final scans.
   TRUE
   FALSE

11. The authors reported the lowest accuracy occurred with rotation (46%), and this movement was difficult for canines, premolars, and molars.
   TRUE
   FALSE

12. The authors concluded that the actual number of 50% accuracy may be less important than the confirmation that the Invisalign appliance is improving but still struggles with specific types of tooth movement.
   TRUE
   FALSE

Article 4: Minimizing the aerosol-generating procedures in orthodontics in the era of a pandemic: Current evidence on the reduction of hazardous effects for the treatment team and patients, by Theodore Eliades et al

13. The purpose of this critical review is to list the sources of aerosol production during orthodontic standard procedures; analyze the constituent components of aerosol and their dependency on modes of grinding, the presence of water, and type of bur; and suggest a method to minimize the quantity and detrimental characteristics of the particles comprising the solid matter of aerosol.
   TRUE
   FALSE

14. At present and in the middle of the severe acute respiratory syndrome coronavirus 2 pandemic in mid-2020, there is no evidence from clinical trials on the effectiveness of interventions taken preprocedurally in dental offices against viral load in air-suspended droplets or aerosols.
   TRUE
   FALSE

15. After debonding, the large-scale enamel clean-up strategies should entail the use of fine diamond burs under water cooling conditions to augment cutting efficiency, timely fulfillment of the procedure, as well as reduction of aerosolized nanoparticles.
   TRUE
   FALSE

16. The authors concluded that in-office measures of self-protection should never be neglected. Dressing gowns and face-masks with filter protection layers and face shields for all clinic personnel, appropriate ventilation, and fresh airflow within the operating room are of paramount importance.
   TRUE
   FALSE