Case 1
Facial paralysis syndactyly
A 68-year-old man comes to your office concerned about the appearance of his face. He required radiation to his facial nerve and has not experienced any recovery in 2 years.

Objective 1: To obtain relevant physical examination for facial paralysis.
Question 1:
What would you look for on physical examination?
• Eye examination
• Lower lid function
• Upper lid function
• Bell's phenomenon
• Nasal airflow
• Facial position
• Examination of the contralateral facial nerve
• Complete examination of all branches of the facial nerve (with grading system)

Objective 2: To determine the options for reconstruction
Question 2:
What are your options for reconstruction of this patient's eyelid?
• Gold weight
• Tarsorraphy
• Lateral canthopexy
• Lateral canthoplasty

Question 3:
What are your surgical options for reconstruction of this patient's lower face?
Static:
• Face lift
• Facial suspension with tendon, fascia, alloplast
• Midface lift
• Dynamic:
• Temporalis transfer
• Masseter transfer
• Two-stage procedure with cross facial nerve graft and functional muscle transfer
• One-stage procedure with functional muscle nerve transfer to nerve to masseter, hypoglossal etc.

Objective 3: To evaluate a candidate's communication with the patient.
Question 4:
The patient would like help to decide between a static and dynamic transfer. How would you communicate the difference between these procedures?
Communication:
• Description of techniques
• Clear words and understandable language
• Risks and benefits of each
• Type of outcome expected from each procedure

Case 2
Facial trauma
A 24-year-old woman was involved in a motor vehicle accident. She was brought unconscious to the emergency department.

Objective 1: The candidate can manage an acute facial trauma
Question 1:
How will you manage this patient?
• ATLS
• Airway – ensure airway is maintained, intubation if not able to protect airway
• Breathing
• Circulation
Objective 2: The candidate can describe a facial CT
Question 2:
A CT scan of the face is obtained. Please describe your findings.
- Comminuted buttress fractures
- Orbital floor fracture
- Z-F suture
- Alveolus
- Maxillary sinus

Objective 3: The candidate can describe the principles of facial trauma
Question 3:
Please describe the principles of management of a facial injury with bone loss and malocclusion.
- Establish occlusion
- IMF/MMF
- Exposure of all fractures
- Fixation of buttresses with bone grafts
- Reconstruct orbital floor
- Resuspend soft tissues