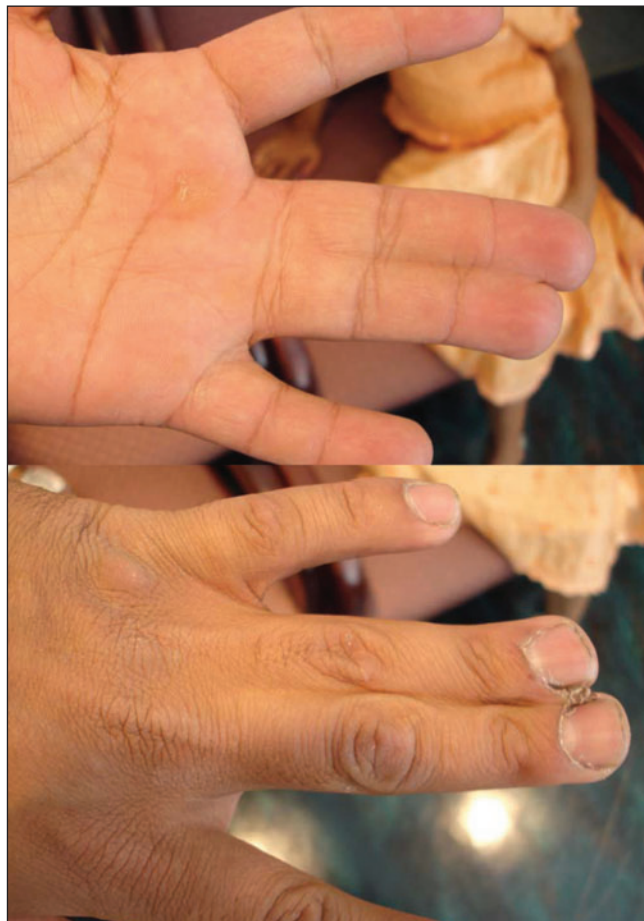


### Case 1

#### Syndactyly

A 35-year-old man has recently immigrated to Canada. He presents because of concerns related to his fingers. These have been present since birth and he would like a surgical opinion



Objective 1: The candidate demonstrates ability to conduct an appropriate history for syndactyly

Question 1:

What information would you like to know on history?

- Function of the hand
- Functional vs. aesthetic concerns
- Other manifestations of associated syndromes – facial problems
- Previous treatment
- General medical history – fitness for surgery
- Immunization history – as a result of recent immigration
- Family history of similar hand appearance

Objective 2: The candidate can order and interpret appropriate investigations

Question 2:

What investigations, would you order?

- Bilateral hand x-Ray (PA, lateral, oblique)

You order hand x-rays, which show no evidence of bone involvement. There is soft tissue between the long and ring fingers



Question 3:

What is your diagnosis?

- Simple syndactyly

Objective 3: The candidate can develop a surgical plan.

Question 4:

Please describe your surgical plan and use the additional photo to draw your markings.

- Triangular flaps (oriented appropriately to coincide with dorsal flaps)
- Flaps for coverage of the webspace
- Dissection of the neurovascular bundles
- Skin graft any resultant defect

### Case 2

#### Facial asymmetry

A 24-year-old woman presents to your office regarding significant facial asymmetry



Objective 1: The candidate can perform a history for a congenital facial lesion

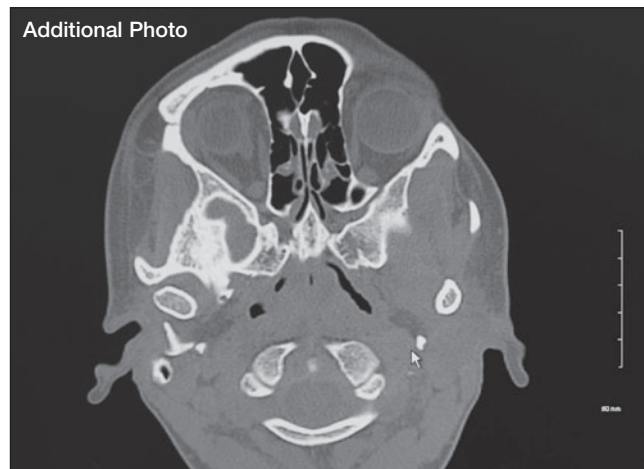
Question 1:

What questions would you like to know about the asymmetry in this patient's face?

- History of fullness in the right temple
- Has this lesion been present since birth
- Progressive vs. static
- Drainage
- Ocular symptoms
- Facial nerve function
- Other stigmata of asymmetric facial syndromes

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Objective 2: The candidate can investigate a congenital facial lesion

Question 2:

What investigations would you order?

- CT
- MRI

Question 3:

You order a CT scan of the face and you receive the following image. What is your differential diagnosis of this congenital lesion?

- Dermoid
- Cystic Lesion NYD
- Lipoma
- Leiomyoma
- Fibrous Tumor

Objective 3: The candidate can manage excision of a facial tumour

Question 4:

You review the films with radiology and decide that this likely represents a cystic lesion. You decide to proceed with an excisional biopsy. Please describe your surgical approach.

- Biocoronal incision
- Preservation of tissue planes
- Excision of the entire lesion
- Preservation of temporal muscle
- Likely temporal muscle flap to fill the defect
- Advise patient about possible revision reconstruction following definitive diagnosis