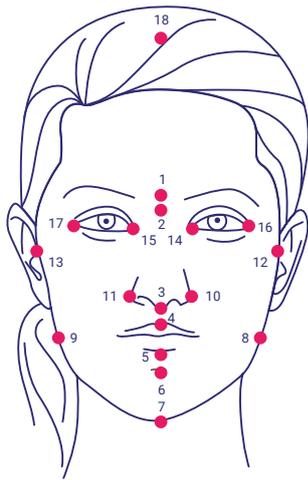
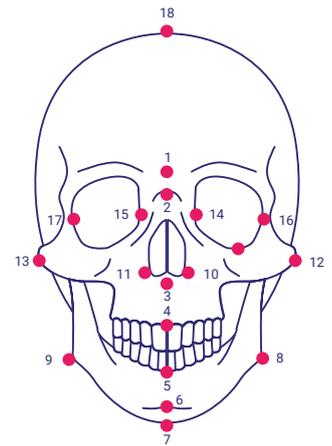


Landmarks



- Glabella | g' 1 Glabella | g
- Nasion | n' 2 Nasion | n
- Subnasale | sn' 3 Subspinale | ss
- Labiale superius | ls' 4 Prosthion | pr
- Labiale inferius | li' 5 Infradentale | id
- Pogonion | pg' 6 Pogonion | pg
- Gnathion | gn' 7 Gnathion | gn
- Gonion left | go' L 8 Gonion left | go L
- Gonion right | go' R 9 Gonion right | ls
- Alare left | al' L 10 Alare left | al L
- Alare right | al' R 11 Alare right | al R
- Zygion left | zy' L 12 Zygion left | zy L
- Zygion right | zy' R 13 Zygion right | zy R
- Endocanthion left | en' L 14 Dacryon left | d L
- Endocanthion right | en' R 15 Dacryon right | d R
- Exocanthion left | ex' L 16 Ectoconchion left | ec L
- Exocanthion right | ex' R 17 Ectoconchion right | ec R
- Vertex | v' 18 Vertex | v



MEPROCS Gradual Scale for Decision- Making

Strong support	Moderate support	Limited support	Undetermined	Limited support	Moderate support	Strong support
Of NOT BEING the same person				Of BEING the same person		
There is incompatible inconsistency				There is no incompatible inconsistency		
STRONG SUPPORT		<ul style="list-style-type: none"> Complete cranium with corresponding mandible Sufficient dentition to evaluate occlusion At least two photos in different poses of sufficient quality 				
MODERATE SUPPORT		<ul style="list-style-type: none"> One photo of sufficient quality Sufficient parts of the cranium with corresponding mandible Sufficient dentition to evaluate occlusion 				
LIMITED SUPPORT		<ul style="list-style-type: none"> Insufficient dentition to evaluate occlusion OR Either incomplete skull and one photo of sufficient quality OR Complete skull and one poor quality photo 				

There could be discriminatory characteristics that allow a move to the left or right within the scale given an appropriate explanation in the report. A strong support of not being the same person means exclusion.

Best practices

- Use the **real skull** to establish occlusion and articulate the mandible as displayed in AM photograph
- Use **multiple AM photos** of good quality
- Avoid** images with **obscuring objects**
- During growth period of children, always use the **most recent** AM photos. For adults, the **most informative**
- Use **original AM photos**, avoiding image manipulation
- Preserve **aspect ratio** of the photograph
- Extract digital and visual information from the photograph to **infer original photographic conditions**
- Analyze** skull and face separately prior to overlay
- When multiple candidates are available, **sort** them out according to the description and prioritize
- Use as many criteria as possible to **study the relationship** between face and skull
- Consider the **discriminative power** of each anatomical criterion
- Give an **appropriate weight** to each criterion

Practices to avoid

- Confirmation bias**
- Attempting CFS on **edentulous skulls**
- Using one single, **low-resolution, frontal** Passport-style photograph for comparison
- Cases in which the subject is **under the age of 5**

Main sources of error

- Skull Face Overlay – **perspective of the skull**
- Articulation** of the mandible and **replication** of its position in the AM photograph
- Incomplete **preservation** and post-mortem **reassembly** of the skull
- Inaccurate 3D skull acquisition**
- Unknown origin** of the AM photograph
- Post-mortem **skull damage**