

Demonstrates
no skill

Demonstrates
slight skill

Demonstrates
moderate skill

Demonstrates
high skill

Demonstrates
expert skill

1. Creates appropriate depth of cavity

0

Antrum not entered or horizontal canal not visualized

1

2

Antrum opened without damage to horizontal canal or tegmen

3

4

Antrum widely opened with adequate thinning of tegmen and posterior superior canal wall

2. Avoids violation of the sigmoid sinus

0

Penetrates sigmoid, unaware of its location

1

2

Exposes sigmoid enough to identify sufficiently to avoid violation but may leave overlying air cells

3

4

Sigmoid well defined for procedure, may expose sigmoid for retraction and better exposure

3. Avoids holes in tegmen

0

Tegmen and dura violated

1

2

Dura exposed without violation

3

4

Tegmen thinned appropriately for surgical approach, possibly removing tegmen to retract dura for better exposure

4. Avoids violation of dura

0

Dura violated (opened)

1

2

May overthin tegmen and expose dura without violation

3

4

Tegmen completely dissected to sinodural angle, dura may be exposed intentionally

5. Maintains a complete saucerization

0

Penetrates sigmoid, residual air cells, facial ridge not identified, antrum not opened appropriately, tegmen and sigmoid not defined at their locations

1

2

Adequate air cell removal to avoid damage to critical structures, antrum opened sufficient for visualization of horizontal canal, fossa incudis, etc.

3

4

All necessary air cells removed and critical structures well defined

6. Avoids violation of the horizontal (lateral) semi-circular canal

0

Horizontal canal violated

1

2

Horizontal canal accidentally bluelined

3

4

Horizontal canal easily identified, may blueline as needed for exposure

7. Avoids drill contact with ossicles

0

Contacts ossicles with cutting burr

1

2

Contacts ossicles with diamond burr

3

4

Drills close to ossicles with appropriate burr

8. External auditory canal remains up

0

Significant posterior canal wall lowering deep to lateral extent.

1

2

Minor lowering of posterior canal wall

3

4

Maintains posterior canal wall completely intact

ID: _____ Date: _____

TURN PAGE 

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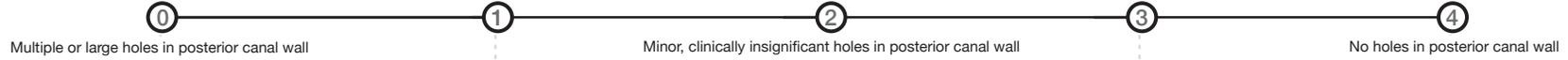
Demonstrates
high skill

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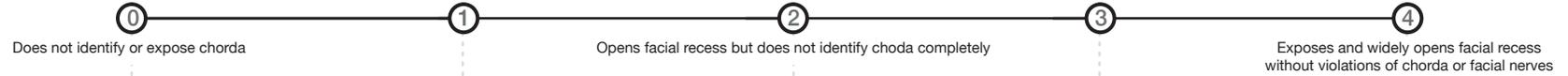
9. Posterior external auditory canal wall is thinned appropriately



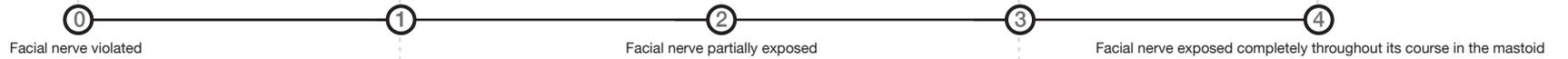
10. Avoids holes in external auditory canal



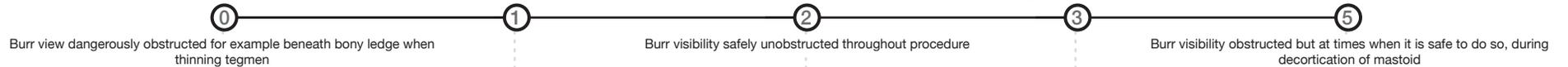
11. Correct identification of chorda tympani nerve



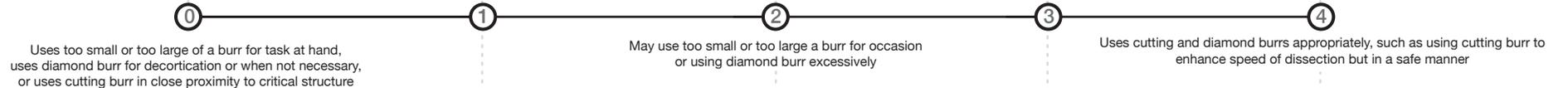
12. Avoids violation of the facial nerve



13. Maintains visibility of burr while removing bone



14. Selects appropriate burr



15. Drills in best direction



16. Avoids excessive force near critical structures

