

Modified Welling Scale for Final-Product Analysis

Temporal Bone Dissection Outcome Performance. Grade each item: 0 = incomplete/inadequate dissection, 1 = complete

Mastoidectomy margins defined at

1. Posterior canal wall	0	1
2. Temporal line	0	1
3. Sigmoid sinus	0	1

Antrum mastoideum

4. Antrum entered (<i>incus visible</i>)	0	1
5. Lateral semicircular canal exposed	0	1
6. Lateral semicircular canal intact	0	1

Sigmoid sinus

7. Exposed, no overhang	0	1
8. No cells remain	0	1
9. No holes (<i>no major sinus collisions</i>)	0	1

Tegmen mastoideum

10. Tegmen mastoideum exposed	0	1
11. No cells remain	0	1
12. No holes (<i>no major dura collisions</i>)	0	1

Sinodural angle

13. Sharp	0	1
14. No cells remain	0	1

Tegmen tympani

15. Attic/tegmen tympany exposed (<i>malleus head visible</i>)	0	1
16. Ossicles intact (<i>no malleus/incus collisions, incus buttress intact</i>)	0	1

Mastoid tip

17. Digastric ridge exposed	0	1
18. Digastric ridge followed towards stylomastoid foramen	0	1
19. No cells remain	0	1

External auditory canal

20. Thinning of the posterior canal wall	0	1
21. No cells remain	0	1
22. No holes	0	1

Facial nerve

23. Facial nerve identified (<i>visible through intact bone</i>)	0	1
24. No exposed nerve sheath (<i>no major collisions</i>)	0	1
25. Tympanic chorda exposed (<i>visible through intact bone</i>)	0	1

Posterior tympanotomy

26. Facial recess completely exposed (<i>round window niche visible</i>)	0	1
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