



Challenges implementing a classification and staging system for cholesteatoma in the US

Walter Kutz, MD, FACS

Associate Professor

University of Texas Southwestern Medical Center

Dallas, TX

Current state

No agreed upon classification and staging system in the US

Few individual institutions use staging systems (Dornhoffer – OOPS for ossiculoplasty)

Makes comparing data difficult



Obstacles

HIPAA

IRB

Complexity of data

Time

Consensus



Proposed solutions

Consider using EAONO-JOS
Classification/staging system AND
IOOG classification of type of
tympanoplasty/mastoidectomy surgery

Consider using REDCap
Smart use of Epic or other EMR



IRB obstacles

Consider creating database for quality improvement and not research

If used later for research, can them identify this data set as source

If sharing database, IRB should be involved

*Check the policy at your institution *



**HIPAA, 21 CFR part 11, FISMA
compliant**

**Unable to sync with EMR
(maybe soon)**

Widely available and easy to use

Not available at all institutions

Sharable among institutions

**Can export data into excel, STATA,
etc**



Complexity

There are endless possible datapoints in chronic ear disease and surgery

Consider starting with database using EAONO-JOS and IOOG classification systems



EMR solutions

Epic is used at UTSW

Ability to define “discrete” data

This can be identifies and extracted

Example: We use smartphrase with discrete data .hbscale to record facial nerve function

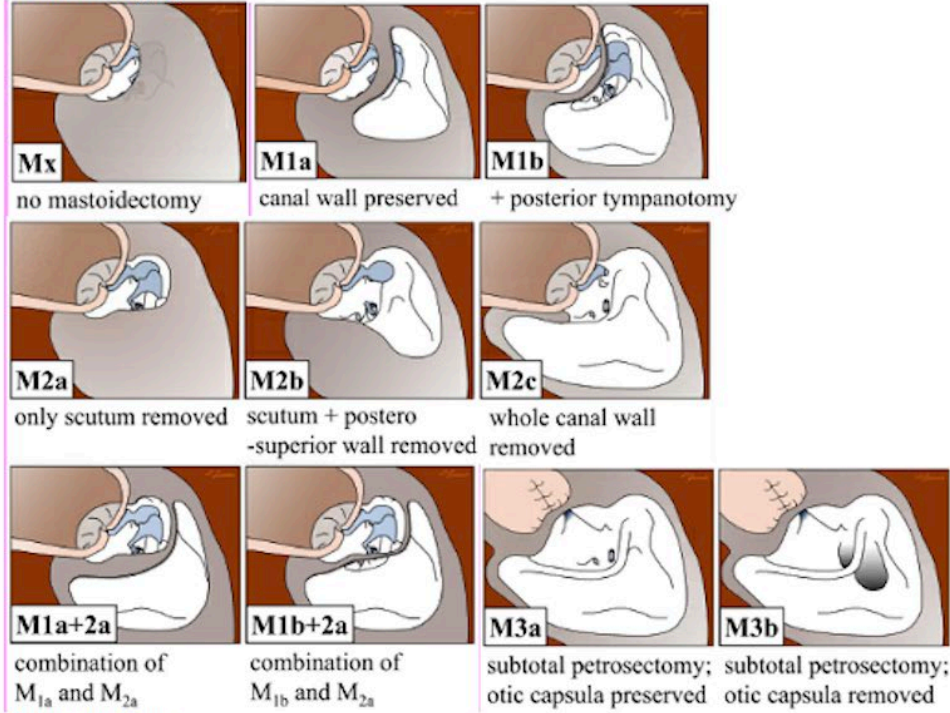
You could have an op note template with discrete data that could be extracted and mirror the REDCap database





Stage of surgery
S1 Primary (first surgery)
Approach
A1 Endoscopic transcanal

Mastoid surgery



Mastoidectomy
{SAMEO-ATO Mastoid:9157}
External ear canal reconstruction
{SAMEO-ATO EAM:9158}
Obliteration of mastoid
{SAMEO-ATO Obliteration mastoid:9159}

Discussion



World Congress on
Endoscopic Ear Surgery 3.0

June 13-15, 2019
BOSTON RENAISSANCE WATERFRONT HOTEL

UT Southwestern
Medical Center

