

CURRICULUM VITAE

NAME: Ophir Handzel MD, LLB
(First) (Last) Academic Degree

FACULTY/DEPT: Sackler Faculty of Medicine

HOSPITAL: Tel Aviv Sourasky Medical Center

Department: Otolaryngology/ Head, Neck and Maxillofacial Surgery

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A. Education

PERIODS OF STUDIES: 1991-1998, The Hebrew University, Jerusalem, Israel

Subject: Medicine

Degree or Professional License: MD

Title of Doctoral Dissertation Medical Malpractice Claims in Israel: Predictors of Outcome

Supervised by: Prof Avi Israeli

Date Awarded: 06.1999

B. Further Studies

1989-1993: Bachelor of Law Studies. The Hebrew University, Jerusalem, Israel.

Degree: LLB

Date Awarded: 06.1993

1997: ATLS.

2000: Temporal Bone Dissection Course, House Ear Institute, Los-Angeles, CA, USA.

2000: Visiting Physician, House Ear Institute, Los-Angeles, CA, USA.

2003-2004: **Research Fellow**, Department of Otolaryngology and Laryngology, Harvard Medical School, Boston, MA, USA.

Topic: Histopathology of Cochlear Implanted Human Temporal Bones.

2003: Updates in Otolaryngology and Otologic Surgery, Massachusetts Eye and Ear Infirmary, Harvard Medical School, Boston, MA, USA.

2006: Updates in Otolaryngology and Otologic Surgery, Massachusetts Eye and Ear Infirmary, Harvard Medical School, Boston, MA, USA.

- 2007: Temporal Bone and Lateral Skull Base Surgery Course, St Louise University, St. Louise, MO, USA.
- 2007-2009: Fellow Otology/Neurology/Skull Base. Massachusetts Eye and Ear Infirmary, Harvard Medical School, Boston, MA, USA.
- 2008-2009: Research at the Eaton Peabody Laboratory, Harvard Medical School, Boston, MA, USA.

Topic: Noise Induced Hearing Loss.

- 2009: Temporal Bone and Lateral Skull Base Surgery Course, St Louise University, St. Louise, MO, USA.
- 2009: Visiting Physician, Department of Otolaryngology/Head and Neck Surgery, Johns Hopkins Medical Center, Baltimore, MD, USA.
- 2011: 7th Heidelberg Workshop Cochlear and Middle ear Implants, Germany.
- 2011: BAHA Master Class.
- 2011: ACLS.
- 2011: Cochlear Implantation hearing preservation workshop, Frankfurt, Germany.
- 2011: GCP
- 2012: Asymmetric Hearing Loss, Berlin, Germany.
- 2014: Cochlear Implants in the Elderly, New York.
- 2016: Endoscopic Lateral Skull Base Surgery, Verona and Modena, Italy.

C. ACADEMIC & PROFESSIONAL ACTIVITIES & ACHIEVEMENTS

C1. ACADEMIC EXPERIENCE

- 2000-2003: Teaching 5th and 6th Year Medical Students, Hadassa and The Hebrew University Medical School, Jerusalem, Israel.
- 2003-2007: Clinical Instructor. Hadassa and The Hebrew University Medical School, Jerusalem, Israel.
- 2005-2007: Teaching 5th and 6th Year Medical Students, Hadassa and The Hebrew University Medical School, Jerusalem, Israel.
- 2011: Teaching 3rd Year Medical Students, The American Program, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel.
- 2011-Present: Reviewer for the Israeli Medical Association - Basic Sciences Projects, as part of the Requirement of Otolaryngology Residency Program.
- 2010-Present: Teaching 5th and 6th Year Medical Students, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel.
- 2011-Present: Lecturer in Otolaryngology/Head and Neck Surgery, School of Continuing Medical Education, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel.

2014-Present: Tutor of 4th, 5th and 6th Year Medical Students, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel.

2019-Present: Clinical Senior Lecturer in Otolaryngology/Head and Neck Surgery

C2. PROFESSIONAL EXPERIENCE.

1998-1999: Intern, Kaplan Medical Center, Rehovot, Israel.

1999-2003: Resident, Department of Otolaryngology/Head and Neck Surgery, Kaplan Medical Center, Rehovot, Israel.

2000: Visiting Physician, House Ear Institute, Los-Angeles, CA, USA.

2003-2004: Research Fellow, Department of Otology and Laryngology, Harvard Medical School, Boston, MA, USA.

Topic: Histopathology of Cochlear Implanted Human Temporal Bones.

2004-2006: Resident, Department of Otolaryngology/Head and Neck Surgery, Kaplan Medical Center, Rehovot, Israel.

2006-2007: Senior Physician, Department of Otolaryngology/Head and Neck Surgery, Kaplan Medical Center, Rehovot, Israel.

2007-2009: Fellow Otology/Neurology/Skull Base. Massachusetts Eye and Ear Infirmary, Harvard Medical School, Boston, MA, USA.

2008-2009: Research at the Eaton Peabody Laboratory, Harvard Medical School, Boston, MA, USA.

Topic: Noise Induced Hearing Loss.

2009: Visiting Physician, Department of Otolaryngology/Head and Neck Surgery, Johns Hopkins Medical Center, Baltimore, MD, USA.

2009-2012: Senior Physician, Department of Otolaryngology/Head and Neck Surgery, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel.

2012-Present: Director of the Cochlear Implant Program, Department of Otolaryngology/Head and Neck Surgery, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel.

2019-Present: Board Member and Treasurer. Israeli Neurotology Society

2019-Present: Board Member. Israeli Society for Auditory Research

C3. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS*

Date	Country	Subject	Role (Speaker, Member of Steering Committee, Active Participation etc.)
3.2000	Israel	Israeli Otolaryngology Society Annual Meeting	Speaker
4.2004	USA	American Academy of Otolaryngology Annual Meeting (part of COSM)	Speaker
6.2006	USA	International Otopathology Society Meeting	Speaker
2.2008	USA	Association for Research in Otolaryngology Annual Winter Meeting	Presenter
2.2009	USA	Association for Research in Otolaryngology Annual Winter Meeting	Presenter
2.2010	Israel	Israel Association for Auditory Research	Presenter
3.2010	Israel	Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery	Presenter and Panel member
10.2010	Israel	Israeli Neurotological Society Annual Meeting	Invited Speaker
9.2011	Greece	28 th International Politzer Society Meeting	Presenter
2011	Israel	Israeli Neurotological Society Annual Meeting	Invited Speaker
6.2013	USA	International Otopathology Society Meeting	Presenter
2.2014	Israel	Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery	Instructional Course, Oral Presentations and Panel Member
1.2015	Israel	Israeli Speech, Hearing and Language Association Annual Meeting	Presenter
2.2015	Israel	Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery	Instructional Course and Oral Presentations

6.2015	France	12 th European Symposium on Pediatric Cochlear Implantation	Poster Presentation
3.2016	Turkey	The Mediterranean Society of Otolaryngology and Audiology Bi-Annual Meeting	Invited Talk
6.2016	USA	International Otopathology Society Meeting	Speaker
3.2017	Israel	Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery	Speaker
7.2017	France	IFOS	Speaker
3.2018	Israel	Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery	Instructional Course and Speaker
4.2018	Israel	Biannual Meeting of the Mediterranean Society of Otolaryngology and Audiology	Panel Moderator
6.2018	Sweden	ESPO	Poster
6.2018	Denmark	European Academy of Otolaryngology and Neurotology	Instructional Course
10.2018	USA	American Academy Of Otolaryngology Annual Meeting	Speaker
2.2019	Israel	Israeli Speech, Hearing and Language Association Annual Meeting	Oral Presentation
2.2019	Israel	Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery	Oral Presentation Panel Member
6.2019	Boston, USA	International Otopathology Society Meeting	Oral Presentation
6.2019	Boston, USA	World Congress on Endoscopic Ear Surgery 3.0	Oral Presentation Panel Member
10.2019	Israel	Israel Association for Auditory Research	Oral Presentation
11.2019	Israel	Israeli Neurotological Society Annual Meeting	Oral Presentation Panel Member
3.2020	Israel	Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery	Instructional Course, Speaker, Panel member

C4. MEMBERSHIP IN PROFESSIONAL SOCIETIES*

Years (period)	Name of Organization	
1991-Present	Israeli Society of Otolaryngology/Head and Neck surgery	
2004	Association for Research in Otolaryngology	
2006-Present	International Otopathology Society	
2007-2010	Association for Research in Otolaryngology	
2009-Present	Neurotology Society of Israel	Board Member of the Society (since 2019)
2010-Present	Israel Society of Auditory Research	Treasurer of the Society (since 2019)
2018-Present	European Academy of Otology and Neurotology	Regional representative for Israel (since 2019)

D. DOCTORAL STUDENTS MENTORED BY CANDIDATE*

Years (period)	Name of Student	Subject	Academic Institute	Ph.D/ M.D	In collaboration with
2017-2018	Hadar Betito	The Occlusion Effects on VEMP Responses	Tel Aviv University	MD	Prof Mordechain Himelfarb, University of Ariel
2017-2018	Haytham Yahia	Predictors of Outcomes in Skull Base Osteomyelitis	Tel Aviv University	MD	

E. BASIC SCIENCE RESIDENTS MENTORED BY CANDIDATE

Years (period)	Name of Student	Subject	Hospital	In collaboration with
2018	Omer Ungar	Histopathology of the Temporal Bones in Cases Suitable for Hearing Preservation Cochlear Implantation	Tel-Aviv Sourasky Medical Center	Filipe Santos, Massachusetts Eye and Ear, Harvard Medical School

F. Grants

Years	Investigator (Principal/other)	Granted by Institute/Company	Total Amount
2018-2020	Ophir Handzel PI Dan J Lee Co-PI	Margaret and Leo Meyer and Hans M. Hirsch Foundation for collaborative research	\$50,000

G. AWARDS

- 2003: Best Resident, Kaplan Medical Center \$800.
- 2003-2004: American Physician for Fellowship \$5,000.
- 2007-2008: American Physician for Fellowship \$5,000.
- 2007-2008: Israeli Medical Association Fellowship Grant \$4,000.

SCIENTIFIC PUBLICATIONS**B.1. ORIGINAL ARTICLES******B.1. Articles Published***

1. Handzel O^(C), Landau Z^(C), Halperin D^(PI). Liposomal amphotericin B treatment for rhinocerebral mucormycosis: how much is enough?
Rhinology. 2003 Sep;41(3):184-6.
(OTORHINOLARYNGOLOGY 1/43, IF 3.761, Cited by 20)
2. Lahav J^(C), Handzel O^(C), Gertler R^(PI), Yehuda M^(C), Halperin D^(PI).
Postauricular needle aspiration of subperiosteal abscess in acute mastoiditis.
Ann Otol Rhinol Laryngol. 2005 Apr;114(4):323-7.
(OTORHINOLARYNGOLOGY 29/43, IF 1.094, Cited by 22)
3. Khan AM^(C), Handzel O^(C), Burgess BJ^(C), Damian D^(C), Eddington DK^(C), Nadol JB Jr^(PI).
Is word recognition correlated with the number of surviving spiral ganglion cells and electrode insertion depth in human subjects with cochlear implants?
Laryngoscope. 2005 Apr;115(4):672-7.
(OTORHINOLARYNGOLOGY 7/43, IF 2.144 Cited by 134)
4. Khan AM^(C), Handzel O^(C), Damian D^(C), Eddington DK^(C), Nadol JB Jr^(PI). Effect of cochlear implantation on residual spiral ganglion cell count as determined by comparison with the contralateral nonimplanted inner ear in humans.
Ann Otol Rhinol Laryngol. 2005 May;114(5):381-5.
(OTORHINOLARYNGOLOGY 29/43, IF 1.094, Cited by 41)
5. Handzel O^(C), Burgess BJ^(T), Nadol JB Jr^(PI).
Histopathology of the peripheral vestibular system after cochlear implantation in the human.
Otol Neurotol. 2006;27(1):57-64.
(OTORHINOLARYNGOLOGY 17/43, IF 1.787, Cited by 97)
6. Handzel O^(C), Wang H^(C), Fiering J^(C), Borenstein JT^(PI), Mescher MJ^(C), Swan EE^(C), Murphy BA^(C), Chen Z^(C), Peppi M^(C), Sewell WF^(PI), Kujawa SG^(PI), McKenna MJ^(PI).
Mastoid cavity dimensions and shape: method of measurement and virtual fitting of implantable devices.
Audiol Neurotol. 2009;14(5):308-14.
(OTORHINOLARYNGOLOGY 18/43, IF 1.705, Cited by 16)
7. Sewell WF^(PI), Borenstein JT^(PI), Chen Z^(C), Fiering J^(C), Handzel O^(C), Holmboe M^(C), Kim ES^(C), Kujawa SG^(PI), McKenna MJ^(PI), Mescher MM^(C), Murphy B^(C), Swan EE^(C), Peppi M^(C), Tao S^(C).
Development of a microfluidics-based intracochlear drug delivery device.
Audiol Neurotol. 2009;14(6):411-22.
(OTORHINOLARYNGOLOGY 18/43, IF 1.705, Cited by 22)
8. Handzel O^(C), Poe DS^(C), Marchbanks RG^(C).
Synchronous Endoscopy and Sonotubometry of the Eustachian Tube: A Pilot Study,
Otol Neurotol. 2012 Feb;33(2):184-91.
(OTORHINOLARYNGOLOGY 17/43, IF 1.787, Cited by 23)

9. Gruss I^(PI), Handzel O^(C), Ingber S^(C), Beiser M^(C).
Hearing Loss due to chemotherapy and radiation therapy in young children.
Harefua, 2012 Jan;151(1):24-8.
10. Handzel O, Ben-Ari O, Damian D, Priel MM, Cohen J, Himmelfarb M.
Smartphone-based hearing test as an aid in the initial evaluation of unilateral sudden sensorineural hearing loss.
Audiol Neurootol. 2013; 18:201-7.
IF 2.078; AUDIOLOGY & SPEECH-LANGUAGE PATHOLOGY 6/25 – Q1; Cited: 26.
11. Locketz G, Margalit N, Gonen L, Fliss DM, Handzel O.
Dilemmas in the treatment of concurrent bilateral meningoencephalocele and superior semicircular canal dehiscence.
Otol Neurotol. 2015; 36(5):932-5.
IF 2.182; OTORHINOLARYNGOLOGY 13/41 – Q2; Cited: 2.
12. Nadol JB Jr, Handzel O, Amr S.
Histopathology of the Human Inner Ear in a Patient With Sensorineural Hearing Loss Caused by a Variant in DFNA5.
Otol Neurotol. 2015; 36(10):1616-21.
IF 2.182; OTORHINOLARYNGOLOGY 13/41 – Q2; Cited: 3.
13. Gonen L, Handzel O, Shimony N, Fliss DM, Margalit N.
Surgical management of spontaneous cerebrospinal fluid leakage through temporal bone defects- case series and review of the literature.
Neurosurg Rev. 2016; 39(1):141-50.
IF 2.255; SURGERY 75/200 – Q2; Cited: 4.
14. Abu-Ghanem*, Handzel O*, Ness L, Ben-Artzi-Blima M, Fait-Ghelbendorf K, Himmelfarb M.
***Equal contribution.**
Smartphone-based audiometric test for screening hearing loss in the elderly.
Eur Arch Otorhinolaryngol. 2016; 273(2):333-9.
IF 1.546; OTORHINOLARYNGOLOGY 20/41 – Q2; Cited: 19.
15. Ungar OJ, Cavel O, Oron Y, Wengier A, Wasserzug O, Handzel O.
A Subjective Rating Scale for Initial Assessment of Sudden Unilateral Sensorineural Hearing Loss.
Audiol Neurootol. 2017; 22(3):154-9.
IF 2.078; AUDIOLOGY & SPEECH-LANGUAGE PATHOLOGY 6/25 – Q1; Cited: 0.
16. Handzel O, Nadol JB Jr.
Temporal Bone Histopathology in Cockayne Syndrome.
Otol Neurotol. 2018; 39(5):e387-91.
IF 2.182; OTORHINOLARYNGOLOGY 13/41 – Q2; Cited: 0.
17. Handzel O, Brenner-Ullman A, Cavel O, Oron Y, Wasserzug O, Fliss DM, Ungar OJ.
Clinical Implications of the Association Between Temporal Bone Tegmen Defects and Superior Semicircular Canal Dehiscence.
Otol Neurotol. 2018; 39(6):797-802.
IF 2.182; OTORHINOLARYNGOLOGY 13/41 – Q2; Cited: 0.

18. Cavel O, Tauman R, Simsolo E, Yafit D, Reindorf-Kfir E, Wasserzug O, Unger O, **Handzel O**, Fishman G, Oestreicher-Kedem Y, DeRowe A.
Changes in the epidemiology and clinical features of acute mastoiditis following the introduction of the pneumococcal conjugate vaccine.
Int J Pediatr Otorhinolaryngol. 2018; 104:54-7.
IF 1.305; OTORHINOLARYNGOLOGY 27/41 – Q3, PEDIATRICS 84/124 – Q3; Cited: 1.
19. Wasserzug O, Fishman G, Wengier A, Oestreicher-Kedem Y, **Handzel O**, Fliss DM, Margalit N, Safadi A, DeRowe A.
Enhanced visualization of the surgical field in pediatric direct laryngoscopy using a three-dimensional endoscopic system.
Am J Otolaryngol. 2018; 39(5):628-30.
IF 1.046; OTORHINOLARYNGOLOGY 31/41 – Q4; Cited: 0.
20. Ungar OJ, Dadia S, Yahav O, **Handzel O**, Fliss DM, Cavel O.
Tri-dimensional model for ventilation tube permeability.
Eur Arch Otorhinolaryngol. 2018; 275(11):2627-32.
IF 1.546; OTORHINOLARYNGOLOGY 20/41 – Q2; Cited: 0.
21. Ungar OJ, **Handzel O**, Santos F.
Rate of Spiral Ganglion Cell Loss in Idiopathic Sudden Sensorineural Hearing Loss.
Otol Neurotol. 2018; 39(10):e944-9.
IF 2.182; OTORHINOLARYNGOLOGY 13/41 – Q2; Cited: 0.
22. **Handzel O**, Himmelfarb M.
The occlusion effect in bone conducted cVEMP.
J Vestib Res. 2018;28(3-4):305-309.
IF 2.865; OTORHINOLARYNGOLOGY 4/41 – Q1; Cited: 0.
23. Tamir SO, Marom T, Shushan S, Goldfarb A, Cinamon U, **Handzel O**, Gluck O, Oron Y.
Tinnitus Perspectives among Israeli Ear, Nose and Throat Physicians: A Nationwide Survey.
J Int Adv Otol. 2018 Dec;14(3):437-442.
IF 0.758; OTORHINOLARYNGOLOGY 39/41 – Q4; Cited: 0.
24. Ungar O, Brenner-Ullman A, Cavel O, Oron Y, Wasserzug O, **Handzel O**.
The association between auditory nerve neurovascular conflict and sudden unilateral sensorineural hearing loss.
Laryngoscope Investig Otolaryngol. 2018; 3(5):384-7.
IF NOT INDEXED; Cited: 0. New Journal. Expected to be indexed in 2019.
25. Ungar O, Amit U, Cavel O, Oron Y, **Handzel O**.
Age-Dependent Variations of Scalp Thickness in the Area Designated for a Cochlear Implant Receiver Stimulator.
Laryngoscope Investig Otolaryngol. 2018 Oct 29;3(6):496-499.
IF NOT INDEXED; Cited: 0. New Journal. Expected to be indexed in 2019.
26. Chavkin U, Brenner-Ullman A, Ungar OJ, Fliss D, **Handzel O**.
Prevalence of temporal bone tegmen defects among patients with Marfan syndrome.
Acta Otolaryngol. 2019;139(5):421-4.
IF 1.157; OTORHINOLARYNGOLOGY 32/42 – Q4; Cited: 1.

27. Ungar OJ, **Handzel O**, Cavel O, Oron Y.
A Smartphone-Based Weber Test May Discriminate between a Conductive and a Sensorineural Hearing Loss.
Audiol Neurootol. 2019;24(4):191-6.
IF 1.549; AUDIOLOGY & SPEECH-LANGUAGE PATHOLOGY 18/27 – Q3, OTORHINOLARYNGOLOGY 25/42 – Q3; Cited: 0.
28. Shushan S, Shemesh S, Ungar OJ, Cavel O, **Handzel O**, Tamir SO, Oron Y.
Neutrophil-to-Lymphocyte Ratio and Platelet-to-Lymphocyte Ratio among Patients with Vestibular Neuritis.
ORL J Otorhinolaryngol Relat Spec. 2019;81(5-6):304-8.
IF 1.08; OTORHINOLARYNGOLOGY 35/42 – Q4; Cited: 0.
29. Ungar OJ, **Handzel O**, Haviv L, Dadia S, Cavel O, Fliss DM, Oron Y.
Optimal Head Position Following Intratympanic Injections of Steroids, As Determined by Virtual Reality.
Otolaryngol Head Neck Surg. 2019;161(6):1012-7.
IF 2.341; OTORHINOLARYNGOLOGY 11/42 – Q2, SURGERY 75/210 – Q2; Cited: 0.
30. Ungar OJ, Wengier A, Cavel O, **Handzel O**, Oron Y.
Hearing Improvement after Sudden Sensorineural Hearing Loss as a Predictor of Vestibular Schwannoma.
ORL J Otorhinolaryngol Relat Spec. 2020;82(1):53-8.
IF 1.08; OTORHINOLARYNGOLOGY 35/42 – Q4; Cited: 1.
31. Ungar OJ, Nadol JB, Faquin WC, Carey JP, **Handzel O**, Santos F.
Histological characteristics of intra-temporal facial nerve paralysis in temporal bone malignancies.
Laryngoscope. 2020;130(5):E358-67.
IF 2.465; OTORHINOLARYNGOLOGY 10/42 – Q1; Cited: 1.
32. Horowitz G, Ungar OJ, Levit Y, Himmelfarb M, **Handzel O**.
The impact of conductive hearing loss on balance.
Clin Otolaryngol. 2020;45(1):106-10.
IF 2.197; OTORHINOLARYNGOLOGY 13/42 – Q2; Cited: 0.
33. Ungar OJ, Rosenzweig E, Betito HR, Cavel O, Oron Y, **Handzel O**. Eustachian tube dysfunction in candidates for surgery for obstructive sleep apnoea syndrome.
J Laryngol Otol. 2020;134(1):81-5.
IF 1.098; OTORHINOLARYNGOLOGY 34/42 – Q4; Cited: 1.
34. Oron Y, Levy O, Avivi-Reich M, Goldfarb A, **Handzel O**, Shakuf V, Ben-David BM.
Tinnitus affects the relative roles of semantics and prosody in the perception of emotions in spoken language.
Int J Audiol. 2020;59(3):195-207.
IF 1.832; AUDIOLOGY & SPEECH-LANGUAGE PATHOLOGY 9/27 – Q2, OTORHINOLARYNGOLOGY 18/42 – Q2; Cited: 1.
35. Dror AA, Taiber S, Sela E, **Handzel O**, Avraham KB.
A mouse model for benign paroxysmal positional vertigo with genetic predisposition for displaced otoconia.
Genes Brain Behav. 2020;19(5):e12635.
IF 3.397; BEHAVIORAL SCIENCES 10/52 – Q1; Cited: 0.

B.1. Articles Accepted

36. Ungar OJ, Santos F, Nadol JB, Horowitz G, Fliss DM, Faquin WC, **Handzel O**. Invasion Patterns of External Auditory Canal Squamous Cell Carcinoma: A Histopathology Study. *Laryngoscope*. 2020 Apr 20. doi: 10.1002/lary.28676. Epub ahead of print. **IF 2.465; OTORHINOLARYNGOLOGY 10/42 – Q1; Cited: 0.**
37. Ungar OJ, Shilo S, Halevy N, Cavel O, **Handzel O**, Oron Y. Should air travel be avoided shortly after an idiopathic sudden sensorineural hearing loss? *Acta Otolaryngol*. 2020 Apr 22:1-5. doi: 10.1080/00016489.2020.1754461. Epub ahead of print. **IF 1.157; OTORHINOLARYNGOLOGY 32/42 – Q4; Cited: 0.**
38. **Handzel O**, Brenner-Ullman A, Nirry D, Neuman U, Cavel O, Oron Y [Yahav O], Fliss DM, Ungar OJ. Tegmen attenuation in patients with idiopathic intracranial hypertension is progressive. *Laryngoscope*. 2020 Jan 3. doi: 10.1002/lary.28490. Epub ahead of print. **IF 2.465; OTORHINOLARYNGOLOGY 10/42 – Q1; Cited: 0.**
39. Ungar OJ, Cavel O, Wasserzug O, Oron Y, Locketz GD, **Handzel O**. Iatrogenic cholesteatoma originating from a misplaced tympanomeatal flap during tympanoplasty: a series of five patients. *Eur Arch Otorhinolaryngol*. 2020 May 20. doi: 10.1007/s00405-020-06039-y. Epub ahead of print. **IF 1.809; OTORHINOLARYNGOLOGY 19/42 – Q2; Cited: 0.**
40. Ungar OJ, Cavel O, Oron Y [Yahav O], Tsur N, **Handzel O**. Outcome of Balloon Eustachian Tuboplasty in SCUBA Divers. *ENT/Ear Nose Throat J*. 2020 Jun 18:145561320933957. doi: 10.1177/0145561320933957. Epub ahead of print. **IF 0.859; OTORHINOLARYNGOLOGY 38/42 – Q4; Cited: 0.**
41. Cavel O, Ungar OJ, Oron Y, Ben Ami R, Dekel M, **Handzel O**. Outcome of surgery for chronic suppurative otitis media with resistant *Pseudomonas aeruginosa*. *Eur Arch Otorhinolaryngol*. 2020 Jun 24. doi: 10.1007/s00405-020-06152-y. Epub ahead of print. **IF 1.809; OTORHINOLARYNGOLOGY 19/42 – Q2; Cited: 0.**
42. Weingier A, Ungar OJ, **Handzel O**, Oron Y. Subjective visual vertical evaluation by a smartphone-based test- taking the phone out of the bucket. *Otol Neurol*. 2020; ON-20-15R1. **IF 1.712; OTORHINOLARYNGOLOGY 21/42 – Q2; Cited: 0.**
43. Brownstein Z, Gulsuner S, Walsh T, Arrojo Martins FT, Taiber S, Isakov O, Lee MK, Bordeynik-Cohen M, Birkan M, Chang W, Casadei S, Danial-Farran N, Abu-Rayyan A, Carlson R, Kamal L, Örn Arnþórsson AO, Sokolov M, Gilony D, Lipschitz N, Moshe Frydman M, Bella Davidov B, Macarov M, Sagi M, Vinkler C, Poran H, Sharony R, Samara N, Zvi N, Baris-Feldman H, Singer A, **Handzel O**, Hertzano R, Ali-Naffaa D, Ruhrman-Shahar N, Madgar O, Sofrin E, Peleg A, Khayat M, Shohat M, Basel-Salmon L, Pras E, Lev D, Wolf M, Steingrimsson E, Shomron N, Kelley MW, Kanaan M, Allon-Shalev S, King M-C, Avraham KB. Spectrum of genes for inherited hearing loss in the Israeli Jewish population, including the novel human deafness gene *ATOH1*. *bioRxiv* doi: 10.1101/2020.06.11.144790. *Clin Genet*, in press.
44. Rotem-Betito H, Himmelfarb M, Handzel O, The Effects of Occlusion and Conductive Hearing Loss on Bone-Conducted cVEMP, *Otolaryngol Head Neck Surg*. in press. **IF 2.341; OTORHINOLARYNGOLOGY 11/42 – Q2, SURGERY 75/210 – Q2**

B.2. Case Reports published

1. Lin HW^(C), **Handzel O**^(C), Gopen Q^(PI),
Myospherulosis from Antibiotic Ointment in the Postoperative Mastoid Space,
Am J Otolaryngology, 2010 May-Jun;31(3):205-8.
(*OTORHINOLARYNGOLOGY 31/43, IF 0.984, Cited by 20*)
2. Nam EC^(C), **Handzel O**^(C), Levine RA^(PI),
Carbamazepine Responsive Typewriter Tinnitus from Basilar Invagination,
Journal of Neurology, Neurosurgery and Psychiatry, 2010 81: 456-458.
(*CLINICAL NEUROLOGY 22/185, IF 4.791, Cited by 9*)
3. Benoit M^(C), **Handzel O**^(C), McKenna MJ^(PI), Deschler D^(PI),
A 42-year-old man with facial nerve weakness and multiple recurrent pleomorphic adenoma.
Otol Neurotol 2010 Sep;31(7):1157-9.
(*OTORHINOLARYNGOLOGY 17/43, IF 1.787, Cited by 1*)
4. Yafit D, Gur E, **Handzel O**.
Intratemporal Facial Nerve Schwannoma in a 5 Year Old Girl: A Therapeutic Dilemma.
Isr Med Assoc J. 2016; 18(11):701-2.
5. Ungar OJ, **Handzel O**, Cavel O, Oron Y.
Superior Semicircular Canal Dehiscence Syndrome with Concomitant Otosclerosis - A
Literature Review and Case Discussion.
Clinical Case Reports, 2018 Oct 24;6(12):2364-2370.

B.3. REVIEW ARTICLES**B.3. Review Articles Published**

1. **Handzel O**^(PI), Halperin D^(PI).
Necrotizing (malignant) external otitis.
Am Fam Physician. 2003 Jul 15;68(2):309-12.
(*MEDICINE, INTERNAL & GENERAL 49/107, IF 2.175, Cited by 63*)
-
2. Ungar OJ, Shilo S, Anat W, Cavel O, **Handzel O**, Oron Y.
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B.3. Review Articles Accepted**B.3. Review Articles Submitted for Publication**

C. CHAPTERS IN BOOKS

1. **Handzel O** , McKenna MJ,
Surgery for Otosclerosis, Glasscock-Shambaugh Surgery of the Ear, 6th edition, PMPH-USA,
2010, 529-545.
2. **Handzel O** , Poe DS, The Diagnosis and Management of the Patulous Eustachian Tube,
Brackmann's Surgery of the Ear, 3rd edition, 2010, Saunders, p. 93-105.
3. **Handzel O** , Lee, DJ, Mastoiditis, The Antibiotic Guide: Diagnosis and treatment of infectious
diseases, J.G. Bartlett, P.G. Auwaerter, and P.A. Pham, Editors. 2nd edition, 2010, 2012
Thomson PDR: Montvale,
4. **Handzel O** , Lee, DJ, Otitis media, The Antibiotic Guide: Diagnosis and treatment of
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2012, Thomson PDR: Montvale, NJ.
5. **Handzel O**, Lee, DJ, Otitis externa, The Antibiotic Guide: Diagnosis and treatment of
infectious diseases, J.G. Bartlett, P.G. Auwaerter, and P.A. Pham, Editors. 2nd edition, 2010,
2012, Thomson PDR: Montvale, NJ.
6. **Handzel O**, Gil Z, Tumors of the Temporal Bone, in: Gil and Fliss (Ed.), Tumors of the Skull
Base and paranasal sinuses, Head and Neck cancer clinics Kazi and Dwivedi (Ed.) 2011.
7. **Handzel O**, Gil Z.
Evaluation and Treatment of Malignant Tumours of the Temporal Bone.
In: Gil Z Fliss DM (eds). Tumours of the Skull Base and Paranasal Sinuses.
Chap. 9, pp. 149-61, Byword Books, Delhi 2012.
8. **Handzel O**, Chao WC, Rasooly T, Poe DS.
Diagnosis and Management of the Patulous Eustachian Tube.
In: Otologic Surgery, Brackmann D, Shelton C, Arriaga M (Eds.), Chapter 6, pp. 77-85.
Elvester Pub., 4th edition, 2015.
9. **Handzel O**.
The Translabyrinthine Approach to the Internal Auditory Canal and Cerebellopontine Angle.
In: Fliss DM, Gil Z (eds). Atlas of Surgical Approaches to Paranasal Sinuses and the Skull
Base. Pp. 189-99. Springer, Berlin 2016.
10. **Handzel O**.
Cancer of the Temporal Bone.
In: Fliss DM, Gil Z (eds). Atlas of Surgical Approaches to Paranasal Sinuses and the Skull
Base. Pp. 201-9. Springer, Berlin 2016.

D.1. INVITED PAPERS IN SCIENTIFIC MEETINGS

1. **Handzel O.**
Intracochlear drug delivery.
Israeli Neurotological Society Annual Meeting, 10.2010
2. **Handzel O.**
Intratympanic drug delivery.
Israeli Neurotological Society Annual Meeting, 10.2010
3. **Handzel O.**
Pitfalls and dilemmas in the diagnosis and treatment of inner ear 3rd window.
Israeli Neurotological Society Annual Meeting, 10.2011.
4. **Handzel O.**
Bone anchored hearing aids.
The Mediterranean Society of Otology and Audiology Bi-Annual Meeting, Capadoccia,
Turkey. 3.2016

D.2. PAPERS PRESENTED AT SCIENTIFIC MEETINGS PUBLISHED AS PROCEEDINGS

1. **Handzel O.**, Israeli A, Medical malpractice Claims in Israel.
Israeli Otolaryngology Society Annual Meeting, Israel. 3.2000
2. **Handzel O.**, Jones D, Burgess BJ, Nadol JB
Histopathology of the vestibular system in cochlear implanted temporal bones.
American Academy of Otology Annual Meeting (part of COSM), Arizona, USA. 4.2004
3. **Handzel O.**, Wang H, Nadol JB
2D reconstruction of the human temporal bone.
International Otopathology Society Meeting, Boston, MA, USA. 6.2006
4. **Handzel O.**, Wang H, Handzel AA, Damian D, Nadol JB.
Automated 2-Dimensional reconstruction of the human cochlea.
Association for Research in Otolaryngology Annual Winter Meeting, Phoenix, AZ, 2.2008
5. **Handzel O.**, Wang H, Fiering J, Borenstein JT, Mescher MJ, Leary Swan EE, Murphy BA,
Chen Z, Peppi M, Sewell WF, Kujawa SG, McKenna MJ.
Mastoid dimensions and shape: method of measurement and virtual fitting of implantable
devices.
Association for Research in Otolaryngology Annual Winter Meeting, Phoenix, AZ, 2.2009
6. **Handzel O.**, Burgess B, Nadol JB
Histological intra-cochlear predictors of outcomes of cochlear implantation.
Israel Association for Auditory Research, Tel-Aviv, Israel. 2.2010
7. **Handzel O.**, Poe DS, Marchbanks RJ.
A novel device for measuring Eustachian Tube function: A pilot Study.
Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery.
Eilat, Israel. 3.2010

8. **Handzel O**, Poe DS, Marchbanks R.
Synchronous Endoscopy and Sonotubometry of the Eustachian Tube: A Pilot Study.
28th International Politzer Society Meeting, Athens Greece. 9.2011
9. **Handzel O**, Abu-Ganem S Ungar O,
Smartphone based hearing tests for the initial evaluation of unilateral sudden sensorineural hearing loss.
International Otopathology Society Meeting, Boston, MA, USA. 6.2013
10. **Handzel O**, Instructional Course – Lateral skull base for the general ENT physician.
Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery.
Eilat. 2.2014
11. Ungar O, Kavel O, **Handzel O**
Subjective hearing in the initial evaluation of unilateral sudden sensorineural hearing loss. Oral Presentation.
Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery.
Eilat. 2.2014
12. **Handzel O**, Ben-Ari O. Smartphone applications in hearing evaluation and screening. Oral Presentation.
Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery.
Eilat. 2.2014
13. **Handzel O**, Regev V, Kavel O, Horev N,
Cochlear implantation in an infant with congenital deafness and questionable presence of auditory nerves.
Israeli Speech, Hearing and Language Association Annual Meeting, Tel-Aviv. 1.2015
14. **Handzel O**,
Audiological and clinical aspects of VEMP testing.
Israeli Speech, Hearing and Language Association Annual Meeting, Tel-Aviv. 1.2015
15. **Handzel O**,
Instructional Course – Evidence based approach to selected issue in vestibular schwannoma.
Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery.
Eilat. 2.2015
16. **Handzel O**,
The patulous Eustachian tube.
Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery.
Eilat. 2.2015
17. **Handzel O**, Fliss DM, Margalit N
Soft tissue sealing of temporal bone meningoencephalocele.
Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery.
Eilat. 2.2015
18. **Handzel O**, Nadol JB
Histopathology of a cochlear implanted temporal bone – the 1st bone studied in Israel.
Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery.
Eilat. 2.2015

19. Moshe H, **Handzel O**
Non-pseudomonas pathogens in skull base osteomyelitis.
Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery.
Eilat. 2.2015
20. **Handzel O**,
Poster presentation – Cochlear implantation in an infant with congenital deafness and questionable presence of auditory nerves.
12th European Symposium on Pediatric Cochlear Implantation, Toulouse, France. 6.2015
21. **Handzel O**, Nadol JB,
Temporal Bone Histopathology in Cockayne Syndrome.
International Otopathology Society Meeting, Boston, Massachusetts. 6.2016
22. Ungar O, Brenner A, **Handzel O**,
Neurovascular Conflict of the 8th cranial nerve and AICA.
Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery.
Eilat. 3.2017
23. **Handzel O**.
The Patulous Eustachian Tube.
Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery.
Eilat. 3.2017
24. **Handzel O**
The use of App based hearing tests in Otology.
IFOS Paris, France. 7.2017
25. **Handzel O**,
The Diagnosis and Treatment of the Malfunctioning Eustachian Tube (instructional course).
Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery.
Eilat. 3.2018
26. **Handzel O**, Ungar O, Kavel O, Rosentsweig
Obstructive Sleep Apnea and Eustachian Tube Dysfunction.
Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery.
Eilat. 3.2018
27. **Handzel O**.
CSF leak through a congenital defect of the Fallopian Canal.
ESPO, Stockholm, Sweden. 6.2018
28. **Handzel O**.
The Diagnosis and Treatment of Temporal Bone Meningoencephalocele.
European Academy of Otology and Neurotology, Copenhagen, Denmark. 6.2018
29. Ungar O, Brenbner A, Kavel O, **Handzel O**,
Attenuation of Tegmen Defect is Progressive in Patients with Increased Intracranial Hypertension.
American Academy Of Otolaryngology Annual Meeting, Atlanta, GA, USA. 10.2018

30. **Handzel O**, Ungar O, Rosenzweig E.
Obstructive Sleep Apnea and Eustachian Tube Dysfunction.
American Academy Of Otolaryngology Annual Meeting, Atlanta, GA, USA. 10.2018
31. **Handzel O**, Combining Balloon Eustachian Tuboplasty with Tympanoplasty, Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery. Eilat. 3.2019
32. Bettito H, Himelfrab M, **Handzel O**, The Effect of Occlusion and Conductive Hearing Loss on cVEMP, Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery. Eilat. 3.2019.
33. **Handzel O**, Combining Balloon Eustachian Tuboplasty with Tympanoplasty, World Congress on Endoscopic Ear Surgery 3.0, Boston 6.2019.
34. **Handzel O**, Combining Canal wall Up with bone obliteration and endoscopic ear surgery, World Congress on Endoscopic Ear Surgery 3.0, Boston 6.2019.
35. **Handzel O**, Endoscopic Ear surgery, Instructional course, Annual Meeting of The Israeli Society of Otolaryngology, Head and Neck Surgery. Eilat. 3.2020

D.3. ABSTRACTS

E. ITEMS IN ENCYCLOPEDIAS

F. BOOKS EDITED

G. OTHER PUBLICATIONS (Encyclopedias; Reports; Letter to Editors)

1. Ungar O, Cavel O, Golan GS, Oron Y, Wasserzug O, **Handzel O**.
The Hebrew version of the Eustachian tube dysfunction questionnaire-7. Hearing Balance Commun. 2018; 16(2):114-9.
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2. **Handzel O**, Ungar OJ, Lee DJ, Nadol JB Jr.
Temporal bone histopathology in MELAS syndrome.
Laryngoscope Investig Otolaryngol. 2020;5(1):152-6.
IF – Not Indexed (New Journal); Cited: 0.

H. Member of Editorial Board/ Reviewer (International Journals)

2007-Present Ad hoc Reviewer Ear and Hearing.

2007-Present Ad hoc Reviewer Otology and Neuroethology.

2011-Present Ad hoc Reviewer Israel Medical Association Journal.

2015-Present Ad hoc Reviewer Journal of the American Society of Geriatrics.

2019-Present Ad hoc Reviewer Interactive Journal of Medical Research

2019-Present Ad hoc Reviewer BMJ Case Reports

2019-Present Ad hoc Reviewer Laryngoscope Investigative Otolaryngology

2020-Present Ad hoc Reviewer Annals of otology rhinology and laryngology

