



UCL EAR INSTITUTE

MSc Audiological Sciences Course

Project List

MSC AUDIOLOGICAL SCIENCE

PROJECT TITLES

1995/96

Postnatal changes in the medial superior olivary complex and its response to unilateral deafening	Ioannou Zoe Attard
Objective evaluation of central auditory function as measured by the auditory brainstem response and its relationship to specific learning difficulties (developmental dyslexia)	Lucy Carpendale
Evaluation of the use of cognitive potentials as an objective means of assessing frequency discrimination	Rebecca Guest
Vestibular influences on spatial perception and memory	Marsha Higgins
The localisation of BCL2 in the ear	Prosana Premachandra
Comparison of a group of patients (60 years and over) complaining of dizziness with healthy controls using moving platform posturography	Shirley Wintersgill

1996/97

Causes of delay in acoustic neuroma diagnosis	Alan Aaronson
Species differences in susceptibility to aminoglycoside ototoxicity	Jill Edwards
DPOAE and TEOAE in normal Subjects.	Richard Knight
Stroop and the P300: potential indicators of central changes in tinnitus	Amanda Ling
Changes in spiral ganglion cells during maturation and after unilateral cochlear hair cell destruction	Ali Mohiuddin
Minor head injuries: auditory, vestibular and medico legal aspects	Seema Rupani
Survival of isolated cochlear hair cells	Meera Sebastianpillai
Effect of sound conditioning otoacoustic emissions and efferent suppression in normals.	Harpreet. Waraich

1997/98

Hearing sensitivity of musicians	Hannah Derry
The localisation of BCL2 in the inner ear	James Hickling
	David Reed
Efferent suppression of otoacoustic emissions in normals	Rose Ussene

1998/99

Investigation and evaluation of the 'Adaptive Transform Acoustic Coding' (ATRAC) technology applied to speech discrimination enhancement for the hearing impaired patient	Raphael. Barber
A comparison of OAE suppression between normally developing children and children with language impairment as a means of assessing the function of the efferent auditory pathways	Marina Callimachou
Vestibular responses to acoustic stimulation	Rony Ganguly
Static platform posturography and clinical tests of balance as a screening tool of vestibular dysfunction in adults	Alam Miah
Investigating distortion product otoacoustic emissions with mild to moderate hearing loss at high stimulus levels	Ruchi Narang
Survival of cochlear outer hair cells in vitro	Ruth Taylor

1999/2000

Measurement of Cochlear Fluid Pressure in Patients with Endolymphatic Hydrops and Controls	Rahmeh Samer Abu
Efferent Auditory Function in Dyslexic Children	Marianne. Burns
A Profile of OAEs from a Group of 11-13 year olds A Study Focusing on the Influence of Leisure Noise Exposure	Nandini Dave
An Investigation into the Effects of General Anaesthesia on the Auditory System	Alex Lindsay
Phonological assessment of Children with Glue Ear	Elisabeth Moulding

2000/2001

Feature based DPOAE assessment /Auditory Biophysics Laboratory	Shuk Ha Cheung
Measurement of Sound Field Variability During Paediatric Hearing Assessment	Lucianne Cirne
Meniere's Disease : Research Evidence	Konstantina Koloutsou
Understanding the Impact of auditory deprivation on the auditory pathway and its clinical implications	Danuk Pallawela
Effects of mutations in connexin genes associated with deafness on the processing of the protein and on cell coupling.	Anne Portelli
A Student of Neonatal Hearing Screening in the UK before the Implementation of the Universal Neonatal Hearing Screening Programme	Satheesh Sriskandarajah

2001/2002

DP AND TOAE Changes in Dentists	Layla Al-Kuwaiter
Cochlear Implant Questionnaire	Flora Anagnostou
The Use Of A Combined TEOAE And DPOAE Protocol To Assess The Hearing Sensitivity Of Infants.	Naomi Austin
Influence of middle ear pathologies on Transient Evoked Otoacoustic Emissions (TEOAEs) Measurement.	Evelyn Dandzie-Bonney
A Retrospective Analysis Of Postural Sway Measurements Over Time To Determine The Factors Responsible For Successful Vestibular Rehabilitation	Carol Goddard
Is Frequency Selectivity A Sensitive Indicator Of Noise Induced Hearing Loss	Stuart Thomas
Cochlear Nonlinearity And Outer Hair Cell Characteristics	Paul Tooman
Hearing Aid Project	Paul Catlow
Evaluate The Influence Of Contralateral Stimulation On Spontaneous Emissions	Sanjivani Phatkare-Waghe

2002 – 2003

The relationship of subjective measures of vertigo or migraine attack severity to outcome in Vestibular Rehabilitation	Jayne Al-Hindawe
The diagnosis and management of Auditory Neuropathy in infants and young children; a retrospective and prospective study".	Rowena Banks
Caloric findings in patients with posterior canal BPPV Supervisor	Mayuri Hirani
Exploring the audiometric phenotype in women with Turner's Syndrome	Gemma Lerner
Relating OAEs to hearing	Edward McCrindell
Stargazin expression in the cochlea	Anchal Prasher
Does heterozygosity for Cx26 'predispose' to SNHL of age-related pattern?	Sheena Raithatha
Amplification in Patients with Cochlear Dead Regions	Mary Scott
Evaluation of Balance Function in Patients with Radiologically (CT Scan) confirmed Otosclerosis	Rania Sharaf
To Determine whether exposure to solvents has an impact on hearing	Giles Whiley
Horizontal And Vertical Vestibular-Ocular Reflex - Daily And Weekly Changes In Normals And Patients	Yvette Annan

Undergoing Different Types Of Vestibular Rehabilitation	
Determine The Relationship Between Fluctuating Hearing Loss and Otoacoustic Emissions In Patients With Endolymphatic Hydrops	Lisa Dawson
Posturography and Motion Sickness	Heather Day
The Relative Intensity Of T&DPEAE Age & Threshold Dependence	Scott Richards
Working Memory In Tinnitus	Claire Tooley

Audiology for ENT Practice

Cochlear Implantation	Garyfalia Lekakis (ENT)
Binaural interactions and OAEs	Ju-Yin Hsueh ((ENT)

2003-2004

The role of Forskolin in Inducing proliferation in undamaged newt Inner Ear Epithelia	Chang Teddy
Binaural interactions and OAEs	Slightam-Wearne Jonathan
Macro-molecule uptake by spiral ganglion neurones	Williams Mark
Comparative clinical experience of audiology-led bone-anchored hearing-aid [BAHA]clinics for adults.	Morris Niamh
Irradiation as a treatment for acoustic neuroma: a critical analysis.	Lindley Karen
The vestibular evoked myogenic potential – a review of its clinical and diagnostic application	Smith Patricia
Transient evoked Otoacoustic Emissions	Salim Suleman
OAE Suppression In Speech And Language Impaired Children	Lynn Hodgkinson

2004-2005

Audiology for learning disabled adults – a retrospective clinical review	Ray Sara-Jane
Binaural interactions and OAEs	Evangelos Andreadis
Auditory Efferent function in patients with Acoustic Neuroma	Reena Patel
Does real ear measurement give a significantly more accurate fit to the NAL-NL1 target than using the estimated levels within the Oticon software, when using a Spirit 2D hearing aid?"	Nadine Tabone
The effect of low and high frequency noise exposure on the vestibular system	Raksha Kholia
Changing indications for cochlear implants in adults: comparative analysis between two patient groups separated by a period of 10 years.	Alice Hunt
The fusion at inferred threshold (FIT) test for patients with conductive hearing loss	Elizabeth Hough
Discuss the benefits of bilateral cochlear implantation.	Laura Dixon
Verification of an approach to measurement of signal to noise ratio (S:N)	Alistair Cameron
Effect of recording techniques and test equipment on optokinetic test results	Andrew Scribberras
LIFE UK – Internet interview data	Sion Morris
Management of single-sided deafness.	Victoria Bowen
Alternative splicing of the nociceptin receptor mRNA	Miya Nomsa
Is the Glasgow Hearing Aid Benefit Profile or the Client Oriented Scale of	Osbourne Gary

Improvement a better measure of hearing aid benefit?	
Hypothesis: Is high frequency tympanometry a suitable enough test to be used as a stand alone to detect glue ear in cleft palate babies.	Amanda Sullivan
Measurement of Noise from Toys.	Susan Aylott
To determine the effect of aging on cochlear and efferent function	Katie Brown

ENT Student

A Endoscopic anatomy of middle ear and correction factor, needed to return to "Read" View	Baher Ashour
---	---------------------

2005-2006

Dependence of the efferent olivocochlear activation on the spatial location of the evoking sound	Thomas Andrea
Is there a relationship between the self rating of hearing difficulty (as indicated by the LIFEUK questionnaire) and performance on the computerised BKB SpIN.	El Assif-Eshwun
Auditory Efferent function in subjects with dyslexia	Smitery Bangher
Determine the effect of alcohol and noise combination on hearing	Rekha Barua
An evaluation of the effectiveness of the NAL-NL1 hearing aid fitting prescription method for patients with a mild/moderate hearing loss.	Tanya Bevan
The nature of OAE enhancement following low frequency stimulation	Oliver Brill
A study to determine the relative intensity of masking to use in ABR tests	Adrian Cairns
The Impact of Hearing Impairment on Word Level Stress	Breeane Garland
Intelligibility of speech-in-noise with and without speech reading	Alison Hagan
Measures for speech in noise through the Oticon Spirit III hearing aid to assess the effectiveness of the implemented digital noise reduction mechanism	Leonard Healy
The prevalence of hyperacusis in tinnitus sufferers: A retrospective study	Ellen Jones
OAE stability and life style	Linda Knott
Right-Left difference in otoacoustic emission suppression	Emma Longland

An evaluation of the effectiveness of the NAL-NL1 hearing aid fitting prescription method for patients with severe/profound hearing loss.	Yaw Offei
The quivering mouse: effects on the auditory pathway	Ratna Shah
Direct and psychometric measurement of head related transfer functions (FRTGs)	Nelson Pak Hung Wong
The role of inward rectifier potassium channels in cochlear physiology	Fitim Fetahu
Comparison between dual channel versus multi-channel digital hearing aids through the use of outcome measures	Yamilla Jarolswaski
Outcome measures for calculations of performance of analogue vs digital hearing aids	Kalpana Marlapati

2006 – 2007

Optokinetic sensitivity in Normals with no history of balance problems	Sanja Subro
Use of P3 cognitive potential in the detection of phoneme discrimination in adults	Pratiksha Mehta
Prediction of bi-thermal caloric response from a caloric mono-thermal screening test	Mohammed Al-Khateeb
Underground train noise exposure and cochlear function	Jeanette Turner
The Intelligibility of filtered speech in the young and elderly	Alison Hagan
Screening school children with portable OAE system	Jacqueline West
Inter-aural attenuation using air conduction and insert earphones in auditory brainstem response audiometry	Emma Longland
Determine the effect of alcohol and noise combination on hearing	Rekha Barua
Estimation of aided and un-aided hearing threshold using auditory steady state responses with free-field speakers – effect of digital hearing aid on processing of signal	Mark Newman
Paediatric Audiology	Eleojo Miachi
Correlation between gaze test, the horizontal head impulse test (Halmagyi) and Bithermal calorics	Meena Patel
The histological status of the organ of Corti in humans with hearing impairment	Fiona Newman

2007-2008

Effect of Middle Ear Pressure changes on Otoacoustics Emissions	Gheid Abuharb
What is the extent of annoyance from noise on the underground trains	Shahed Cooraban Booly
Effect of body position and intra cranial pressure on otoacoustics emission	Deepak Kumar
Hemispheric differences in processing mistuned harmonic sounds by musicians and non musicians	Anushri Patel
Underground train noise exposure and cochlear function	Jeanette Turner
Virtual Dizzy	John Veness
Genetic Susceptibility to the Ototoxic Effect of Aminoglycoside Antibiotics- A review of the literature to-date	Kali Heslewood
Audit of newborn hearing screening referrals for diagnostic ABR testing in the Royal Victoria Hospital	Bronagh O'Donnell
Group versus individual hearing aid fittings	Dunja Nieuwoudt

2008-2009

Pitch Perception	Rekesh Patel
Auditory Functioning Test	Leah Brayam
Assessing performance on English speech perception tests in quiet and noise for normal hearing monolingual and bilingual children	Nadia Hussain
Defining suppressive interactions	Adrain Attard-Trevisan
Cochlear Dead Regions	Andrew Friel
Directional hearing and Bone-Anchored Hearing Aids	Chris Kmita
Effect of mental alerting on Vestibular testing	Terence Chow
The efficacy of Balance tests	Mariam Moghul
Organ of Corti in deafness	Zakra Ahmed
Rotational testing	Yusuf Abdillahi
Hearing Aids - Introduction to	Godfrey Kischevo
<i>Title to be Confirmed</i>	Reema Sharma
The relationship between patients' subjective balance symptoms and vestibular test results	Melissa Wright
Age effects on Contra lateral Otoacoustics Emission Suppressions	Olga Christodoulidou