



HYPATIA  
— TRAINING —

HYPATIA  
SPECIALIST CLINICS

EMPOWERED CLINICIANS • EMPOWERED PATIENTS



# EDUCATION PACK 2024

HEARING & VESTIBULAR TRAINING &  
EQUIPMENT SPECIALISTS



# WHAT IS HYPATIA TRAINING?

Hypatia training was founded by Amy Lennox Specialist Audiologist who has worked globally in research and development in specialist equipment for a major equipment manufacturer. Having trained over a 1000 professionals since 2012, including, Audiologists, Neurologists, ENTs, GPs, Physiotherapists, Clinical Scientists, AVPs and Associate Audiologists she is incredibly passionate about training. From that passion and drive Hypatia Training was created to ensure continuing education is accessible to all who want it.

Hypatia Training's fundamental mission is to empower clinicians by giving them the latest information, resources and tools regarding clinical care, aiming to reduce silos and link clinicians globally. We have and continued to develop communication with key opinion leaders from around the world to maintain high standards and challenge the current paradigm.

**Hypatia Specialist Clinics** provide innovative audio-vestibular diagnostics and rehabilitation. With multicentre research, peer review and mentorship. This work feeds into the training and we are now developing a patient advocacy arm to the business to complete the circle.

By supporting us  
you are supporting:



**Hearing Dogs**  
for Deaf People

## HYPATIA TRAINING - WHY TRAIN WITH US?

- **Small Groups** ensuring a bespoke experience
- Large emphasis on **practical & hands on**
- Printed and digital handouts
- Clinician and **patient resources** to take away and use.
- Structured Workshops or **Build Your Own Agenda**
- **Onsite** Training Available
- **Online** Training Available
- On-going **mentorship** available
- Learn anatomy and physiology using **augmented reality**
- Key opinion leaders and the **global network** help develop training.
- Support a **independent business** that aims to raise awareness & profile of **hearing and vestibular care**.



*Amy Lennox*  
*Founder*

# KEY OPINION LEADERS

Hypatia training works closely with Key Opinion Leaders globally to ensure protocols and materials are current and appropriate. We work with professionals from multi-disciplinary backgrounds to ensure dynamic thinking and application to our materials. If you would like to become a key opinion leader please do not hesitate to get in touch,



**Prof Dr Soumit Dasgupta (Liverpool, UK)**

**Special Interests Paediatric, Audio-Vestibular Medicine & Neuro-Otology**

Consultant Audiovestibular Physician & Clinical Lead in Paediatric Audiology, Alder Hey Children's NHS Trust  
Lead Consultant Neuro-Otologist Hypatia Specialist Clinics  
Consultant Adult Neurotologist, Sheffield Vertigo and Balance Centre

Honorary Visiting Professor, University of Siena, Italy  
University of Manchester, University of Sheffield  
Secretary, International Vertigo Academy & British Association of Audiovestibular Physicians (Education)

Awarded the Pat Jobson Prize for outstanding contributions to the field of Audiovestibular Medicine by the British Association of Audiovestibular Physicians and bestowed with an honorary fellowship of the Indian Academy of Otorhinolaryngology and Head neck Surgeons and the Royal College of Physicians of UK for outstanding contributions to the field of Audiovestibular Medicine.



**Prof Dr Margie Sharpe (Adelaide, Australia)**

**Special Interests Vestibular Rehabilitation & Physiotherapy**

Director and Principal of the Dizziness & Balance Disorders Centre

Margie is the pioneer of Vestibular and Balance Rehabilitation in Australia. Her unique, innovative and integrated approach to patients with vertigo, dizziness and unsteadiness is founded on the most recent published research findings of clinical and basic science literature, as much as her close working relationship with her multidisciplinary team members. Her success; in particular

for patients with complex vestibular disorders and those with refractory dizziness, attracts patients from all parts of Australia and overseas, reflecting her dedication, enquiring mind, creativity, and unyielding commitment to the betterment of her patients.



**Prof Dr Marco Mandalà, (Siena, Italy)**

**Special Interests Otolological Surgery, Implantable Hearing & Vestibular Devices & Neuro-Otology**

Head of Division UOC Otorinolaringoiatria (ENT Department) Azienda Ospedaliera Universitaria Senese Università di Siena

Instructor at mastoid dissection courses at the Otology Today Association (Padova, Italy)

Lectures at University of University of Verona and Siena

Dr Mandala has performed more than 2000 surgical procedures in the otorhinolaryngology field with particular interest in otology & lateral skull base procedures. He has authored more than 50 papers in international journals with impact factor and is a co-author of a patent for a device aimed at the functional evaluation of vestibulo-ocular reflex. The device FHIT (functional head impulse test) is currently commercialized by BEON Soutlions.



**Debbie Cane, (Manchester, UK)**

**Special Interests Vestibular Rehabilitation, Mindfulness, CBT & Education**

Senior Clinical Scientist and Lecturer in Audiology University of Manchester

Debbie qualified as a Clinical Scientist in Audiology in 2003. She led the adult Diagnostic Audio vestibular Services at the Royal Berkshire NHS Foundation Trust for 10 years before taking up an Audiology lectureship at Manchester University in October 2015.

Her specialist area of interest is the rehabilitation of patients with chronic dizziness using CBT and mindfulness techniques and she is a qualified mindfulness teacher. Debbie is particularly interested in raising awareness of vestibular disorders in patients of all ages, and in optimizing pathways for patient's timely diagnosis and management.



**Diego Kaski (UCL, UK)**

**Special Interests Acute Vestibular Syndrome, PPPD and Neurology**

Consultant Neurologist UCL

An international leader in Vestibular Neuroscience, with major publications in high-impact journals, He set up and heads the Centre for Behavioural and Vestibular Neurosciences within UCL and lead an active group of research exploring the neural mechanisms of spatial

orientation and multisensory integration, with a strong translational element that aims to develop clinical biomarkers and therapies for vestibular disorders.



# VESTIBULAR EQUIPMENT

As trusted Vestibular Specialists we are proud to support our innovation partners within the U.K and Ireland in the distribution and training of their equipment. We currently supply the following.

## **Balance Eye VOG**

Vestibul-oculography goggles measuring Smooth Pursuit, Saccades, OPK, Gaze/Spontaneous, Caloric Reflex, Positioning Tests, SVV Tilt Test & Subjective mid-point. Has torsional nystagmus capability.

## **Balance Eye DVA**

Behavioural assessment of VOR function in response to rotational or functional head movement stimuli. The test assesses visual acuity during head movement against baseline static visual acuity. BalanceEye DVA comes with a head-mounted inertia measurement unit (IMU) which can assess dynamic visual acuity in relation to baseline static visual acuity in all planes of head movement

## **Balance Eye VRT**

Virtual reality-based vestibular rehabilitation platform to treat peripheral vestibular disorders and balance disorders. The solution provides immersive, real-life situations that motivate patients to participate in the rehabilitation exercises

## **Rotundum BPPV Chair**

A manual rotary chair for the diagnosis and therapy of benign paroxysmal positional vertigo (BPPV). Thanks to its continuously adjustable axes, patients can be moved into any desired position effortlessly and in complete safety.

Please visit our website [www.dizzyclinic.co.uk](http://www.dizzyclinic.co.uk) for further information.



Bring bespoke education  
to your workplace!

Prices start from £1000

# BUILD YOUR OWN AGENDA

## TOPICS TO CHOOSE FROM

- Anatomy and Physiology (With Hypatia's Augmented Reality)
- Otoscopy (Otoscope/VO/Loupes/ ENT Scope)
- Middle Ear (Tympanometry/ Reflexes)
- Audiometry (Intro)
- Audiometry Review
- Speech Testing
- Speech In Noise Testing
- Tinnitus Testing
- OAEs
- Beyond the Audiogram (Stenger ABLB, Equal Loudness Scaling etc)
- Freefield Measurements Localisation – Aided Speech
- Introduction to REMs/PMM (includes Speech Mapping)
- REM/PMM Review (Includes Speech Mapping)
- Advanced Verification (Hearing Aid features and Accessories)
- Test Box Measurements
- ABR
- MLR
- ASSR
- eCochG
- vHIT/SHIMP Practical
- vHIT/SHIMP Interpretation
- Acute Dizziness
- VEMP
- VNG
- Calorics
- Dizziness Conditions
- Positional/Repositioning Manoeuvres
- Paediatric Dizziness
- Dizziness History and Outcome Measures
- Vestibular Rehabilitation
- Virtual Reality Rehabilitation
- Posturography
- Rotational Chair (Site to provide chair)
- On-site Supervision

*Workshops*

# BRONZE VESTIBULAR ASSESSMENT

Dates:

4th-6th March 2024

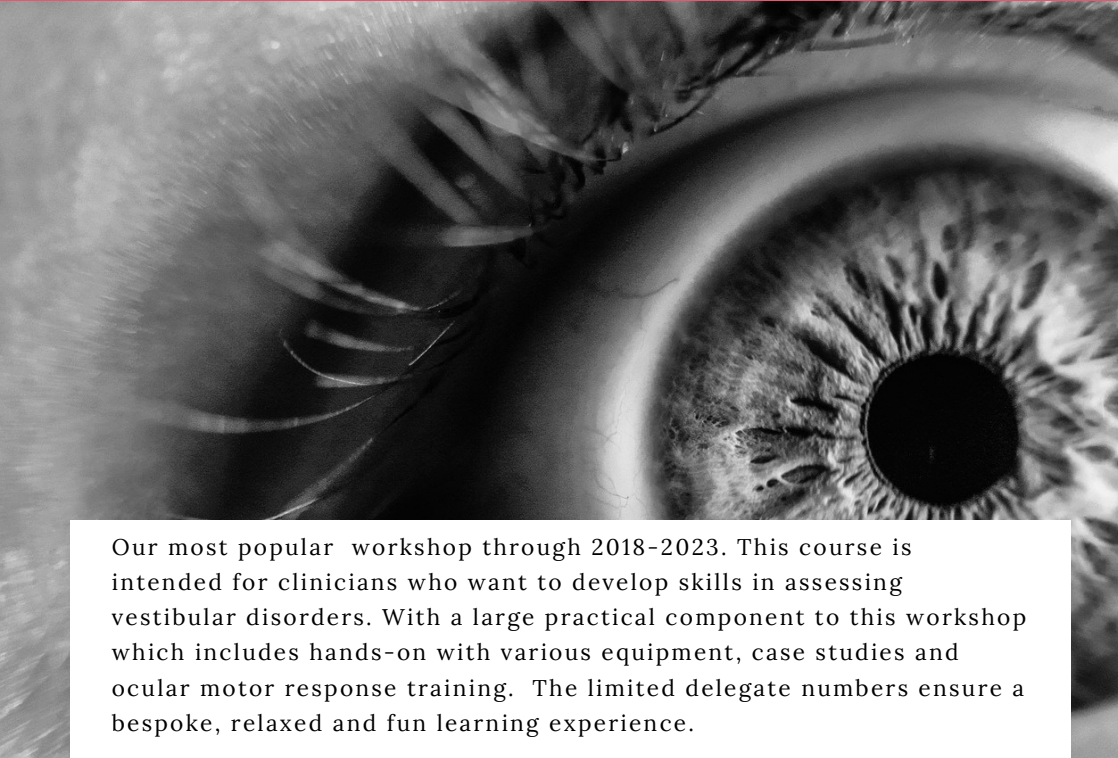
24th-26th September 2024

Location: Hope Street Hotel, 40

Hope Street Liverpool L1 9DA

Price £700

Register at

[www.hypatiatraining.com](http://www.hypatiatraining.com)

Our most popular workshop through 2018-2023. This course is intended for clinicians who want to develop skills in assessing vestibular disorders. With a large practical component to this workshop which includes hands-on with various equipment, case studies and ocular motor response training. The limited delegate numbers ensure a bespoke, relaxed and fun learning experience.

The Bronze level is best suited to those who have little experience of Vestibular Testing and want to attend a foundation workshop; interaction is encouraged from the delegates to get as much from the three days as possible. By the end of the three days, delegates should have the tools to begin seeing vestibular patients under supervision. Delegates must attend all three days to receive the Bronze Hypatia Scroll in Vestibular Assessment.

**DAY 1**

9.30- 9.45 Registration

9.45 – 10.00 Introduction

10.00 – 11.00 Anatomy & Physiology with Augmented Reality

11.00 – 11.30 Understanding the VOR

12:00- 12.30 Understanding Compensation (Peripheral Conditions)

12.30 – 1.00 Lunch

1.00 – 1.45 .00 Overview of Peripheral Vestibular Disorders - Vestibular Neuritis, SCCD, BPPV etc.

1.45 – 2.45 Overview of Central & Non-localising conditions - Menieres, PPPD, Vestibular Migraine, Concussion, Stroke etc

2.45 -3.00 Break (Well-earned)

3.00- 4.00 It's All in the history - Key Questions,, Patient Tells and Red Flags

4.00 -5.00 Office Tests - When & How to use.

**DAY 2**

10.00-10.30 Reflection/Revision Day 1

10.30-11.00 Theory behind Positioning and Repositioning manoeuvres

11.00 – 12.30 Positional Testing & Repositioning Manoeuvres

12.30 – 1.00 Lunch

1.00 – 1.30 Theory behind the VNG and Caloric and performing to BSA standards.

1.30 – 2.00 Demonstration of the VNG and Caloric.

2.00 – 3.00 VNG and Caloric Session (Practical)

3.00 – 3.15 Break

3.15 – 4.00 Interpreting VNGs and Calorics

4.00 – 5.00 Positional and VNG Case Studies

**DAY 3**

10.00-10.30 Reflection/Revision of Day 2

10.30-10.50 Electrophysiology for VEMP(ers)

10.50-11.10 Pathophysiology of oVEMP and cVEMP

11.10 – 11.30 How to perform VEMP, including hurdles and pitfalls. (Practical)

11.30 -12.00 Interpretation and Applications of VEMP

12.00 -12.30 Lunch

12.3 – 1.00 Theory behind vHIT including revision of the Vestibular Ocular Reflex

1.00– 1.15 How to perform vHIT (Lateral, RALP and LARP)

1.15 -1.45 Artefacts and Interpretation of the vHIT

1.45 – 2.00 Break

2.00 – 3.00 Case Studies vHIT and VEMP

3.00 – 4.00 Vestibular Case Study Jeopardy

4.00 - Close



*Workshops*

# BRONZE - GOLD VESTIBULAR REHABILITATION

Dates: **13th-15th May 2024**

Location: Hope Street Hotel, 40

Hope Street Liverpool L1 9DA

Price

**Bronze = £350 Day 1 Only****Gold = £700 Day 1-3**

Register at

[www.hypatiatraining.com](http://www.hypatiatraining.com)

**WITH SPECIAL GUESTS  
DEBBIE CANE  
SHEILA THELEN**

This well regarded course was developed with multidisciplinary team and patient focus care in mind. Building on the success of the Bronze Vestibular Rehabilitation Course this allows participants to follow through with more advanced concepts of Vestibular Rehabilitation across the three days.

## Learning Outcomes

- Explore the links between the autonomic nervous system and dizziness.
- Learn about a range of therapeutic techniques which compliment traditional Vestibular Rehabilitation including Polyvagal Theory, Mindfulness and CBT
- Investigate how to offer Virtual Reality as part of your rehabilitation programme - without the need for expensive equipment.
- Latest case reviews and applying rehabilitation to patients with complex diagnosis - Visual Vertigo, PPPD, MdBS, Central, Concussion, Traumatic Brain Injury



**DAY 1**

9.30 - 10.00 Registration

10.00 - 11.15 **Amy Lennox-Bowley:** A&P

11.15 - 11.30 Break

11.30 -13.00 **Debbie Cane:** Theory

- Formulating a routine VR plan:
- What happens in an acute vestibular insult
- Theory of compensation
- Who will benefit from VR & red flags
- How to devise a tailored made plan
- How and when to follow up and discharge

12.30 - 13.45 Lunch

PM - **Debbie Cane** Practical session

- Practise in devising a tailored made plan given a patient and their history  
Theory (2)-How to modify the basic plan for: bilateral hypofunction, elderly and limited resources

15.30 - 15.45 **ALL** Group discussion on example cases, individual departmental practice

17:00: Close

**DAY 2**

09.30 - 10.00 **Amy Lennox-Bowley** ICVD Classification PPPD

10.00 - 11.00 **Debbie Cane** A tale of 2 Debbies - Managing a patient with Anxiety.

11.00 - 11.15 Break

11.15 - 12.30 **Debbie Cane** Mindfulness Workshop

12.30-13.15 Lunch

Day 1 PM

13.15-13.45 **Amy Lennox-Bowley** Visual Vertigo

13-45- 14.45 **Amy Lennox-Bowley** Complex BPPV

14.45 - 15.00 Break

15.00 - 17.00 **ALL** (Case Studies)

PPPD, Bilateral Vestibular Loss, Visual Vertigo, Traumatic Brain Injury, Neurodegenerative Disease and Migraine

**DAY 3**

9.30 - 10.00 Reflection

10.00 - 10.45 **Amy Lennox-Bowley** Service Review - Innovative Pathways

10.45 - 11.00 Break

11.00 - 12.00 **Amy Lennox-Bowley** Haptic Feedback Technology & Balance Belt

12.00- 13.00 Lunch

13.00 - 14.00 - **Amy Lennox-Bowley** Technology Workshop Virtual Reality, Balance Board, Dynamic Visual Acuity

14.00 - 14.30 **Sheila Thelen (Online)**Take Your Brain for a Spin

14.30 pm Final Questions and Close

BRONZE CERTIFICATE = DAY 1 ATTENDANCE

GOLD CERTIFICATE = DAY 1-3 ATTENDANCE



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*Workshops*

# GOLD HEARING REHABILITATION & TECHNOLOGY

Date:

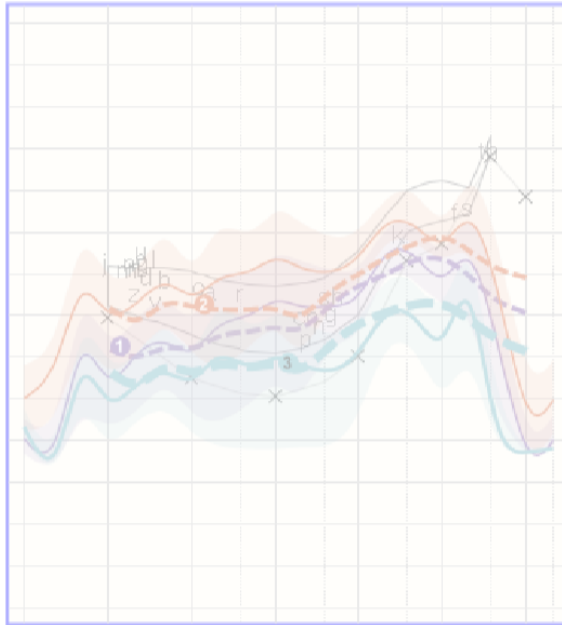
5th June 2024

Location: Hope Street Hotel, 40

Hope Street Liverpool L1 9DA X

Price £500

Register at

[www.hypatiatraining.com](http://www.hypatiatraining.com)**AGENDA**

9.45 - 10.00 Registration

**AM SPEECH**

- Speech Assessment Principles
- Identifying appropriate amplification and wireless technology based upon speech results
- Speech assessment clinical applications - With Case Studies.

Identify patients who will have annoyance and intelligibility issues.

- Clinical Masking in Speech

Audiometry - the simple way.

**PM VERIFICATION**

- Review Current BSA Guidelines
- Understanding Speech Mapping
- Understanding Speech Intelligibility Index
- Identifying appropriate prescription rules based on verification.
- When not to fit to target?
- Advanced feature Verification
- Wireless Accessory Verification



*Workshops*

# GOLD BPPV WORKSHOP

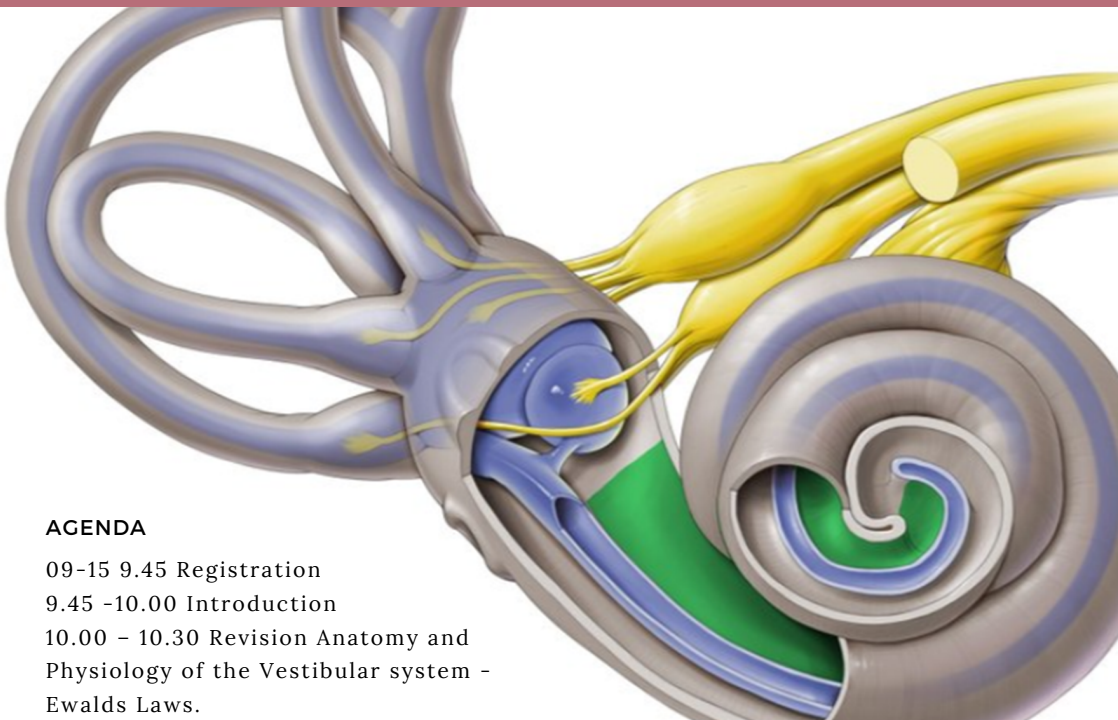
Date:

13th November 2024

Location: Hope Street Hotel,  
40 Hope Street Liverpool L1 9DA

Price £500

Register at

[www.hypatiatraining.com](http://www.hypatiatraining.com)

## AGENDA

09-15 9.45 Registration

9.45 -10.00 Introduction

10.00 - 10.30 Revision Anatomy and  
Physiology of the Vestibular system -  
Ewalds Laws.10.30 - 11.15 Effective history taking and  
which red flags and contraindications.11.15 - 12.30 Performing  
Positional/Repositioning Tests Part 1  
(Practical) Dix Halpike, Epely, BBQ Roll,  
Yacovino Semant, Gufoni, Casani Head  
Hang Rose

12.30-13.00 Lunch

13.00 - 14.00 Positioning Nystagmus  
Exercise - Which canal is the problem?14.00 - 14.30 Differential diagnosis to  
BPPV - when to refer on

14.30 - 15.00 Case Studies 1

15.00 - 15.15 Break

15.15 - 16.00 Performing  
Positioning/Repositioning Part 2  
Manoeuvres ( Include modified  
techniques for poor mobility, weight,  
neck and back issues)

16.00 - 16.15 Patient Management Plans

16.15 - 17.00 Case Studies 2

17.00 - 17.15 BPPV Jeopardy!

17.15 pm Close



*Workshops*

# GOLD BPPV REFRESHER

Date:

3rd July 2024

Price £400

Location: Hope Street Hotel,  
40 Hope St, Liverpool L1 9DA

Register at

[www.hypatiatraining.com](http://www.hypatiatraining.com)

## AGENDA

10.00-10.15 Registration &amp; Intro

10.15- 10.45 Reviewing Variations of BPPV

10.45 - 11.30 Play your Dizzy right! (Quiz Covering Anatomy Physiology/  
Ewalds Laws History and Contraindications!)11.30-12.00 Positional/Repositioning Tests Part 1 (Practical) Dix Halpike,  
Epely, BBQ Roll, Yacovino Semant, Gufoni, Casani Head Hang Rose

12.00 - 12.15 BPPV mimicking other conditions

12.15-13.00 Name those eyes case studies.



# ADDITIONAL WORKSHOPS

The following workshops are not scheduled for 2024 but are available upon request. Full agendas available at [www.hypatiatraining.com](http://www.hypatiatraining.com)



- Otoscopy, Impression Taking and Hearing Aid Repair
- Hearing Surveillance Audiometry
- Speech Testing
- Paediatric Vestibular Assessment
- Acute Dizziness
- vHIT
- VEMP
- BPPV





# HYPATIA SPECIALIST CLINICS

With over 7 years experience supporting Hearing & Vestibular Healthcare services and businesses. Empowering clinicians to give bespoke care to the highest standards.

- Monthly Subscription
- Clinic & Staff Certification
- Bespoke Training Plans
- Attendance at Hypatia workshops throughout the year, included.
- Identifying gaps in service provision
- Clinic Documents and Forms
- Digital Clinic Documents and Forms
- Online Training & Discussion
- Monthly Peer Review
- Complex Case Support
- Corporate Equipment Discounts
- Marketing Support
- Patient Pathway Development
- Training programmes and plans for staff.
- Clinic listed on website as a provider
- Hypatia Specialist Centre Branding
- Up-to-date information dissemination
- Multi-Centre Research Opportunities
- Access to a Network of Key Opinion Leaders in Audiology, Physiotherapy, Vestibular Science & Neurology

## VESTIBULAR CENTRES

Hypatia Dizziness and Balance Clinics are proud to empower clinicians to provide excellent patient care in diagnostics and/or rehabilitation. For a clinic to become certified they will have to fulfil certain criteria. A diagnostic centre can demonstrate access to a comprehensive diagnostic battery and a rehabilitation centre should be able to provide appropriate and patient focused rehabilitation rather than a generic rehabilitation plan and have a broad outlook including mindfulness, as well as traditional rehabilitation.

## HEARING CENTRES

Hypatia Diagnostic Hearing Centres provide comprehensive diagnostics to support patients with unique needs and provide premium care.

Approved centres should be able to provide the following to the highest standards:

- Hearing Assessment
- APD Assessment
- Speech Testing
- Hearing Care for Complex Patients
- Electrophysiology
- Hearing Aid Fitting and Verification
- Hearing Preservation and Education



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BESPOKE-ONLINE-ONSITE

[www.hypatiatraining.com](http://www.hypatiatraining.com)

[www.dizzyclinic.co.uk](http://www.dizzyclinic.co.uk)

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