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Together



London North West Healthcare



NHS Trust

# Integrated Care Delivery with World Class Research & Teaching

**Mr Taran Tatla**

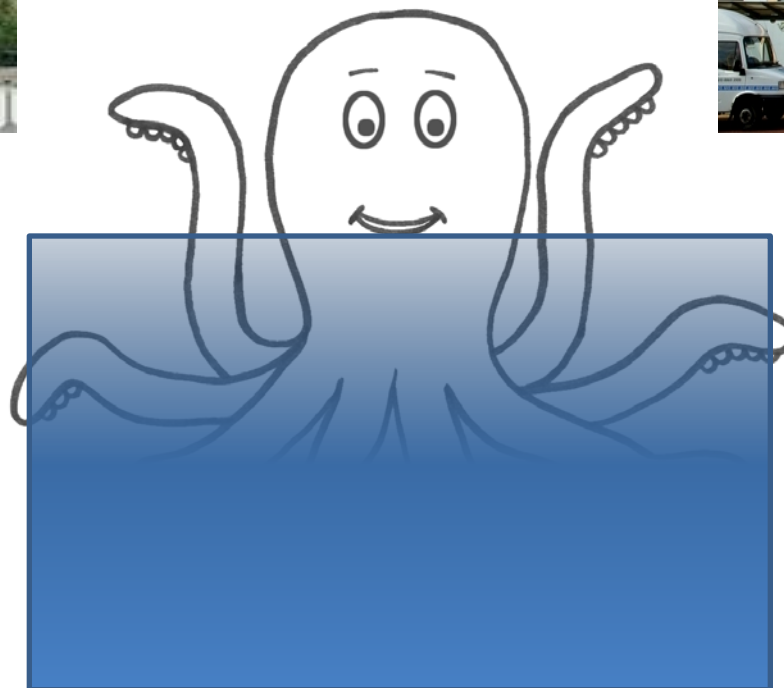
Consultant ENT-Head & Neck Surgery  
Associate Director for Research &  
Development  
Multi-disciplinary Course Director





- One of the largest integrated care trusts in the UK, bringing together hospital and community services across NW London
- Employ more than 8,000 staff
- Serve a diverse population of approx. 850,000. Include:
  - Central Middlesex Hospital, Ealing Hospital, Northwick Park Hospital, St Mark's Hospital
  - Community services across NW London





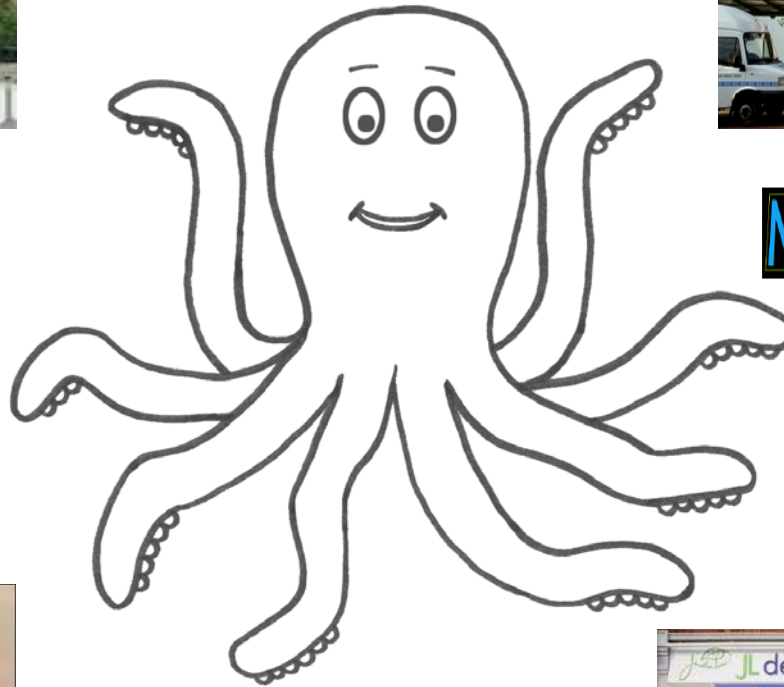
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Medical Research Innovation & Excellence in Surgical Training



## Pioneering Research Spanning Two Translational Research Gaps

### OCTiLarynx & OCTiEar



### Development of “optical biopsy” for Cancer and ENT disease screening

Multidisciplinary, collaboration between academics, clinicians and industry

linking leading optical imaging departments (University of Kent, Imperial College London) with unique pre-clinical animal testing facilities at NPIMR and NHS clinical testing facilities at LNWH.

“World-first” optical imaging laboratories on-site (ENT out-patient and operating theatre) - (rapid translational research from bench-top to clinical imaging and patient benefit)

- Head & Cancer Disease Screening
- Glue Ear /Middle Ear Disease Screening in Children & Adults
- Extending Screening to Other Organ Systems & Diseases

## Northwick Park Institute for Medical Research (NPIMR)







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## Wet lab laser simulation



Use of CO2 laser in simulated airway surgery in sheep head





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## Wet lab laser simulation



Use of CO2 laser in simulated airway surgery in sheep head



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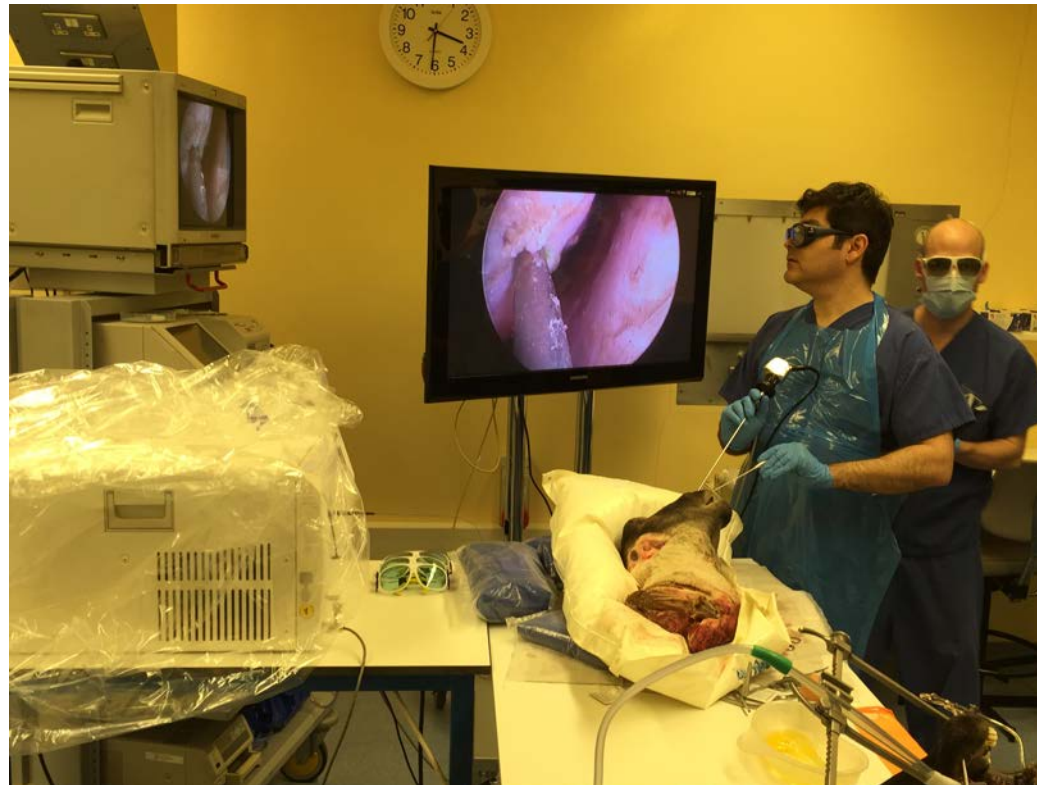


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## Wet lab laser simulation



Use of Holmium:YAG laser in simulated turbinate surgery in sheep head





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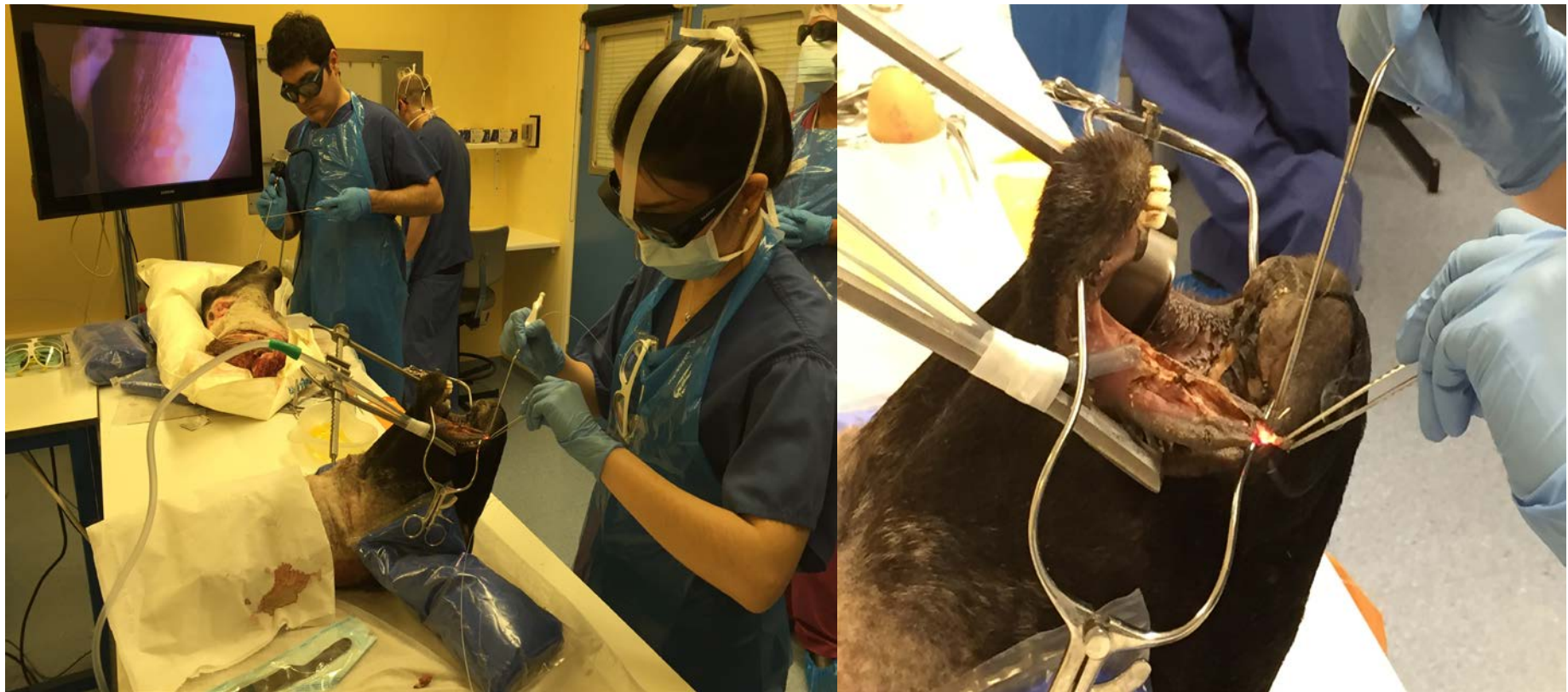


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## Wet lab laser simulation

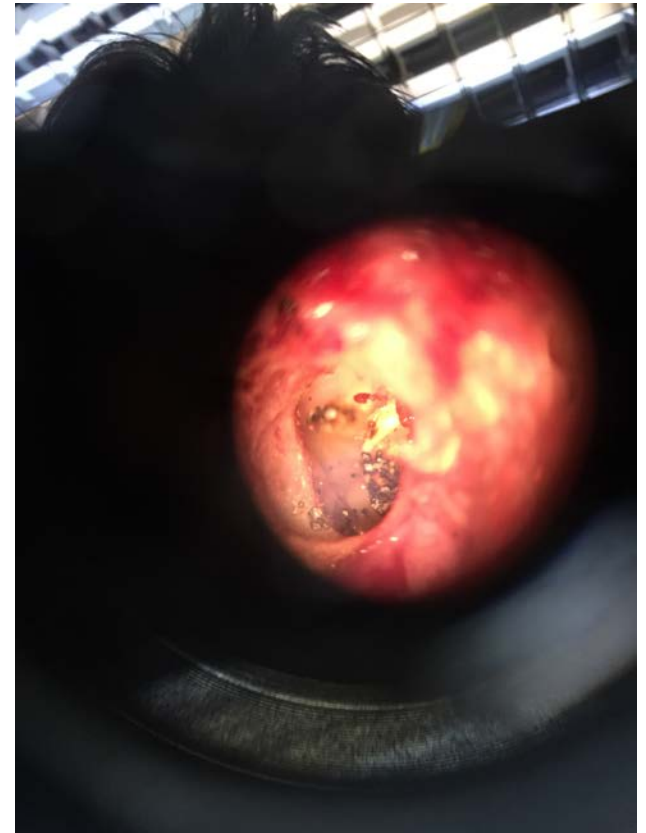


Use of Thulium laser in simulated oral cavity surgery in cadaveric sheep head



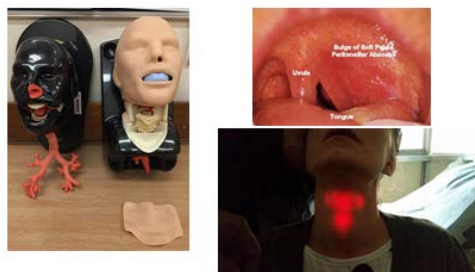


# Wet Lab Laser Simulation

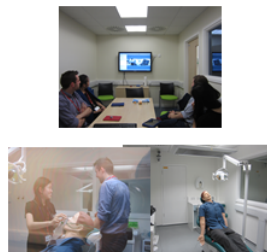


Use of KTP laser in a simulated stapes surgery in cadaveric sheep middle ear

## ENT Multi-disciplinary Emergency Skills Course



## Initial Airway Encounter Simulation (Undergraduate Medical Students)



### Objectives:

To gain the exposure to experiential learning using high fidelity simulation

To be able recognise actual or impending airway emergency

To be able to initiate basic airway management

Call for appropriate senior help at the earliest opportunity

## Difficult Airway Simulation Course



- Senior anaesthetic and ENT trainees
- Surgical Staff ODP/Nurses
- Complex scenarios
- Non-technical and technical aspects
- 'Shared airway – shared thinking'
- Crisis Resource Management

## MDT Fundamentals in Laser Safety & Advanced Considerations Courses

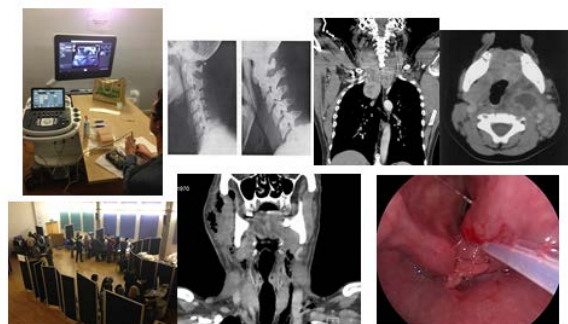


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## MDT Head & Neck Imaging Course



## MDT Tracheostomy Study Days Fundamentals & Advanced Skills



## MDT Percutaneous Tracheostomy Inaugural Course



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## GMC Trainee Survey Results 2015

LNWH by  
Specialty

London  
Deanery by  
Specialty

Report by: equals / is: In Post Specialty by Trust/Board  
and Survey Year is equal to 2015  
and Trust / Board is equal to PLANA select: London North West Healthcare NHS Trust  
and N>= 2

Post Specialty	Trust / Board	Overall Satisfaction	Clinical Supervision	Clinical Supervision out of hours	Handover	Induction	Adaptation Experience	Supportive environment	Work Load	Educational Supervision	Access to Educational Resources	Feedback	Local Teaching	Regional Teaching	Study Leave
Acute Internal Medicine	London North West Healthcare NHS Trust														
Acute Medicine	London North West Healthcare NHS Trust														
Anaesthetics	London North West Healthcare NHS Trust														
Cardiology	London North West Healthcare NHS Trust														
Clinical genetics	London North West Healthcare NHS Trust														
Clinical radiology	London North West Healthcare NHS Trust														
Community Child Health	London North West Healthcare NHS Trust														
Dermatology	London North West Healthcare NHS Trust														
Emergency Medicine	London North West Healthcare NHS Trust														
Endocrinology and diabetes mellitus	London North West Healthcare NHS Trust														
Gastroenterology	London North West Healthcare NHS Trust														
General (Internal) medicine	London North West Healthcare NHS Trust														
General Practice	London North West Healthcare NHS Trust														
General psychiatry	London North West Healthcare NHS Trust														
General surgery	London North West Healthcare NHS Trust														
Genito-urinary medicine	London North West Healthcare NHS Trust														
Geriatric medicine	London North West Healthcare NHS Trust														
Haematology	London North West Healthcare NHS Trust														
Histopathology	London North West Healthcare NHS Trust														
Infectious diseases	London North West Healthcare NHS Trust														
Intensive care medicine	London North West Healthcare NHS Trust														
Liaison Psychiatry	London North West Healthcare NHS Trust														
Medical microbiology	London North West Healthcare NHS Trust														
Obstetrics and gynaecology	London North West Healthcare NHS Trust														
Ophthalmology	London North West Healthcare NHS Trust														
Oral and maxillofacial surgery	London North West Healthcare NHS Trust														
Otolaryngology	London North West Healthcare NHS Trust														
Pediatric Neurodisability	London North West Healthcare NHS Trust														
Pediatrics	London North West Healthcare NHS Trust														
Perinatal medicine	London North West Healthcare NHS Trust														



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Ophthalmology	Imperial College Healthcare NHS Trust														
Oral and maxillofacial surgery	Imperial College Healthcare NHS Trust														
Otolaryngology	Imperial College Healthcare NHS Trust														
Perinatal medicine	Imperial College Healthcare NHS Trust														
Pediatrics	Imperial College Healthcare NHS Trust														
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