



MSc Clinical Science (Reconstructive Science)

Academic Lead: Liz Gill MMU

Clinical Lead: Trevor Coward KCL



History and Recent Developments



Pharmacists
Dispensers.
Dental
Mechanics.

Laboratory
Attendants.
X Ray
Attendants.
Operating Room
Attendants.

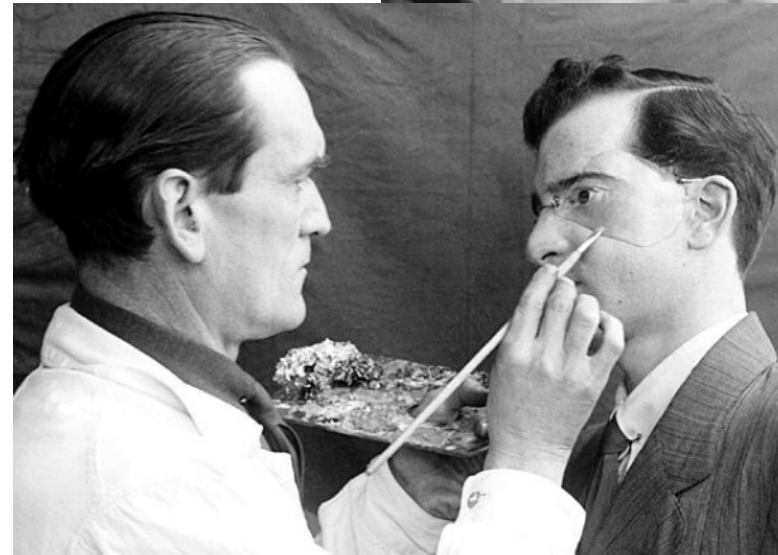
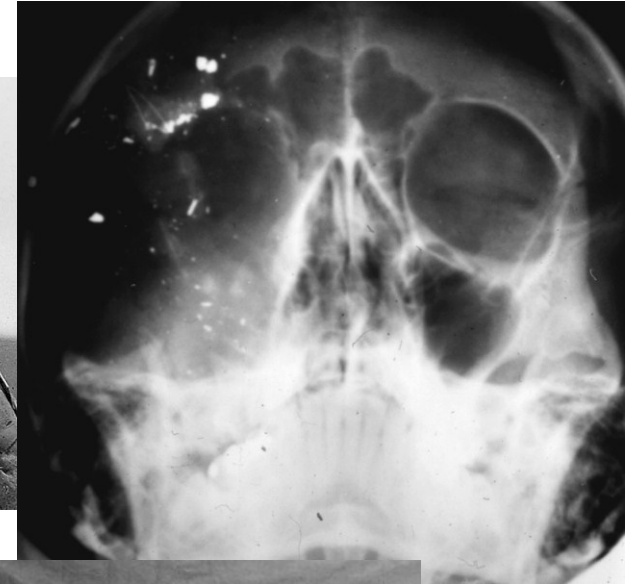
Mental
Attendants
Masseurs.
Opticians.

Nursing
Orderlies.
Hospital
Cooks.

Period of
Service
from
One Year

JOIN THE
RAMC.

AND LEARN A USEFUL OCCUPATION WHICH MAY HELP
YOU LATER IN CIVILIAN LIFE.



Prostheses

- Facial
- Ocular
- NAC & Breast
- Hands & Feet



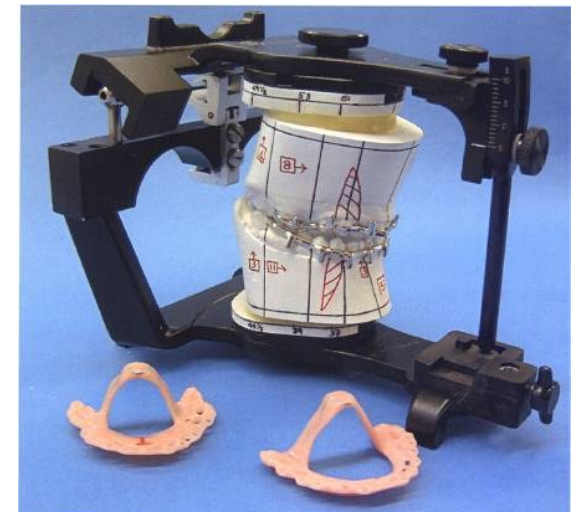
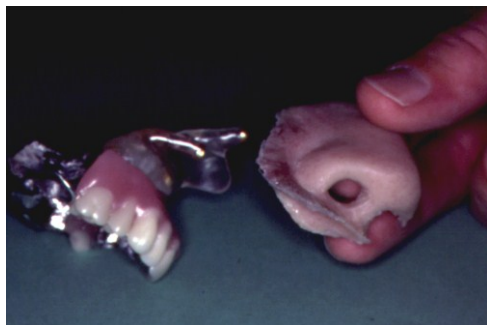
- Deep buried implants



- Dental devices
- Surgical devices
- Surgical planning
- Cleft lip and palate
- Physical impairment devices



- Patient management
- Support for disfigurement
- Scar management



History and Recent Developments

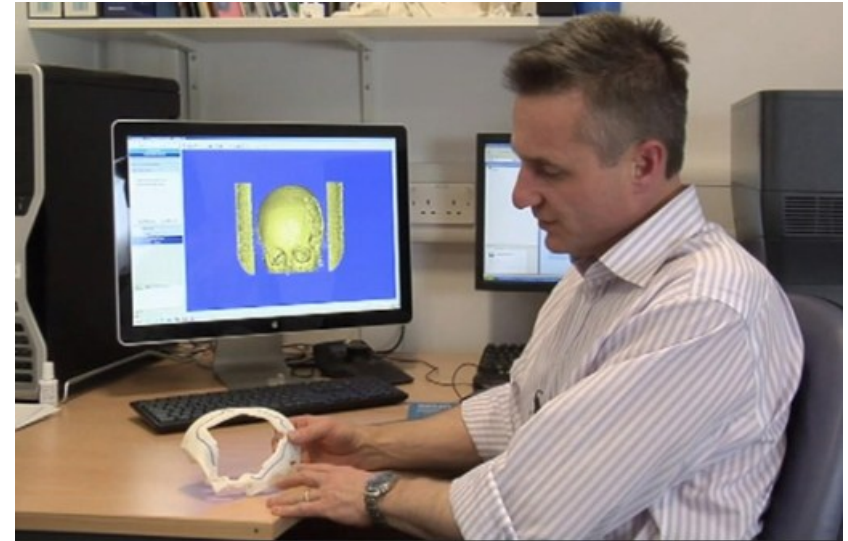


Figure 1: 3D Vascularization Model of Craniopagus Twins



Reconstructive Science

- Applied anatomy and pathology
- Biomedical materials
- Biological interactions



Clinical and
materials
sciences

Research Led
Teaching

Clinical Sciences

Medical
manufacturing

- Patient focused care
- Disfigurement support
- Continuing care
- Quality of life outcomes

- Oral devices
- Surgical devices
- Surgical planning
- Deep buried implants
- New technology

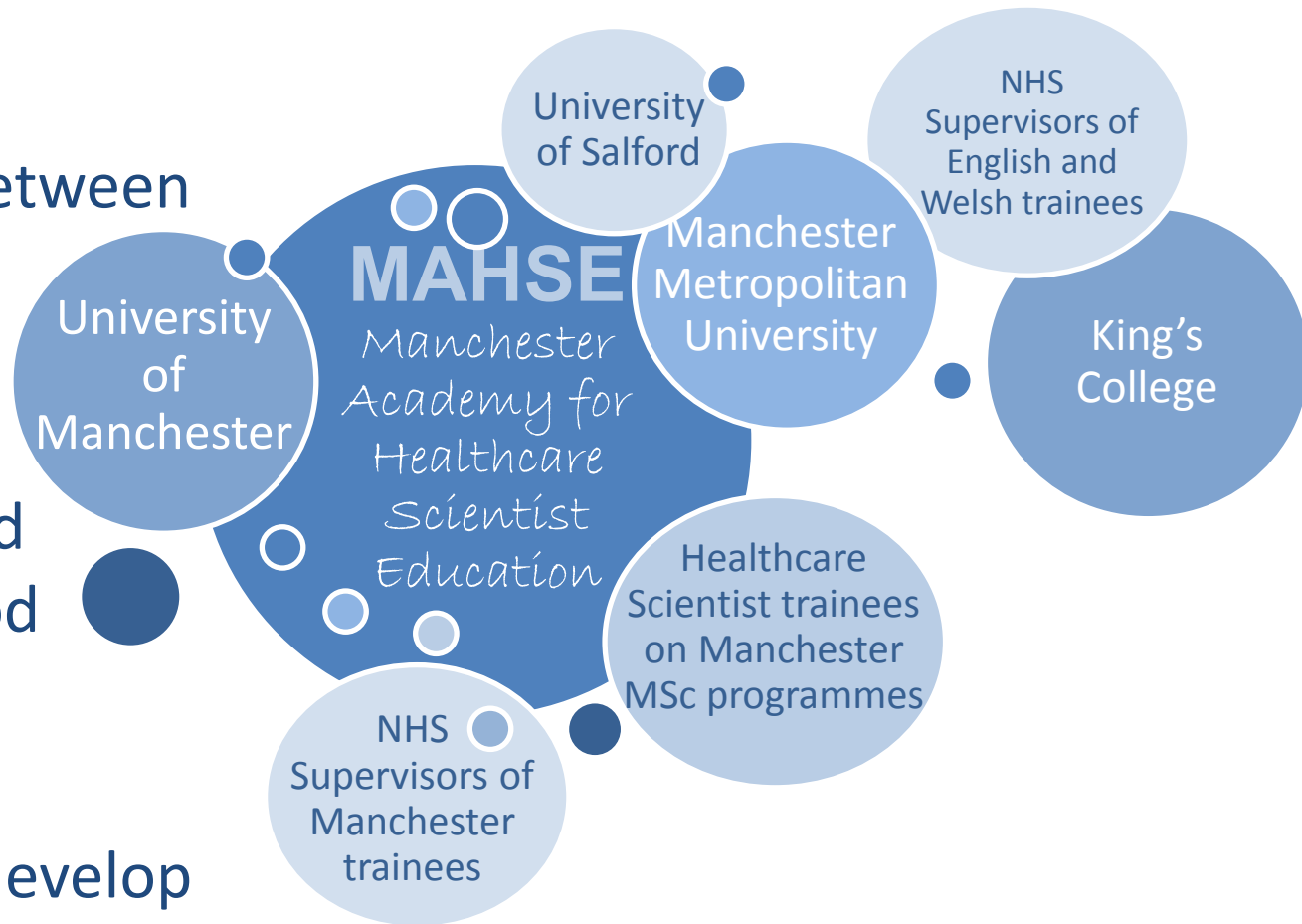
Patient
centred
learning and
assessment

Prosthetic
rehabilitation

Legal and
ethical

- Patient assessment
- Prosthesis provision

- Partnership between HEIs and NHS
- Encourages innovation and sharing of good practice
- Support and develop PTP/STP programmes delivered in Manchester
- Interprofessional teaching and learning



Programme Structure

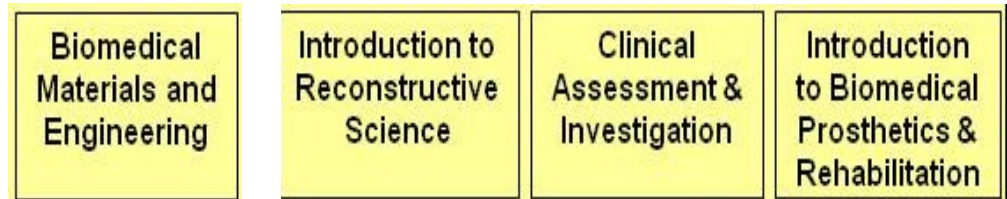
Year 1 Core Modules [60]	Integrating Studies in Reconstructive Science [30 credits]	Introduction to Reconstructive Science [30 credits]
	Generic	Divisional
	<i>[Healthcare Science, 20 credits]</i>	<i>Introduction to Reconstructive Science [40 credits]</i>

Year 2 Specialist Practice [60]	Medical Devices and research methods in Reconstructive Science [30 credits]	Research Project
	Generic	Specialism
	Research Methods [10 credits]	Medical Devices for Maxillofacial Trauma and Craniofacial Deformities [20 credits]

Year 3 Specialist Practice [60]	Prosthetic Rehabilitation [30 credits]	Research Project
	Specialism	
	<i>Prosthetic Rehabilitation for Head and Neck Cancer and Soft Tissue Injuries [30 credits]</i>	

Programme Structure

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2 weeks integrated
with other STP
students at MMU

1 week
MMU

3 weeks
KCL

Programme Structure

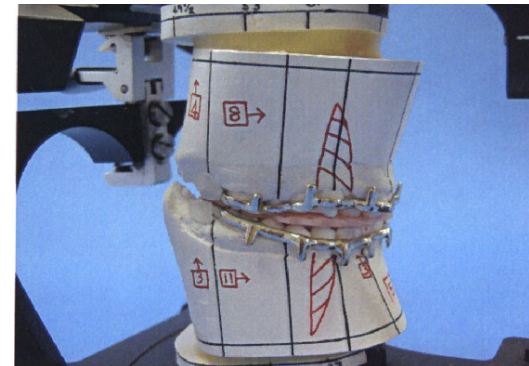
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1 week integrated
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1 week
KCL

- Materials Science
- Clinical assessment and investigation
- Maxillofacial Trauma and Craniofacial Deformities



Programme Structure

Year 3 Specialist Practice [60]	Prosthetic Rehabilitation [30 credits]	Research Project
	Specialism	
<i>Prosthetic Rehabilitation for Head and Neck Cancer and Soft Tissue Injuries [30 credits]</i>		

1 week
MMU

2 weeks
KCL

- Materials Science
- Clinical assessment and investigation
- Prosthetic Rehabilitation for Head and Neck Cancer
- Prosthetic Rehabilitation for Soft Tissue Injuries



Teaching and Learning facilities

Purpose built teaching facilities



Clinical teaching facilities KCL



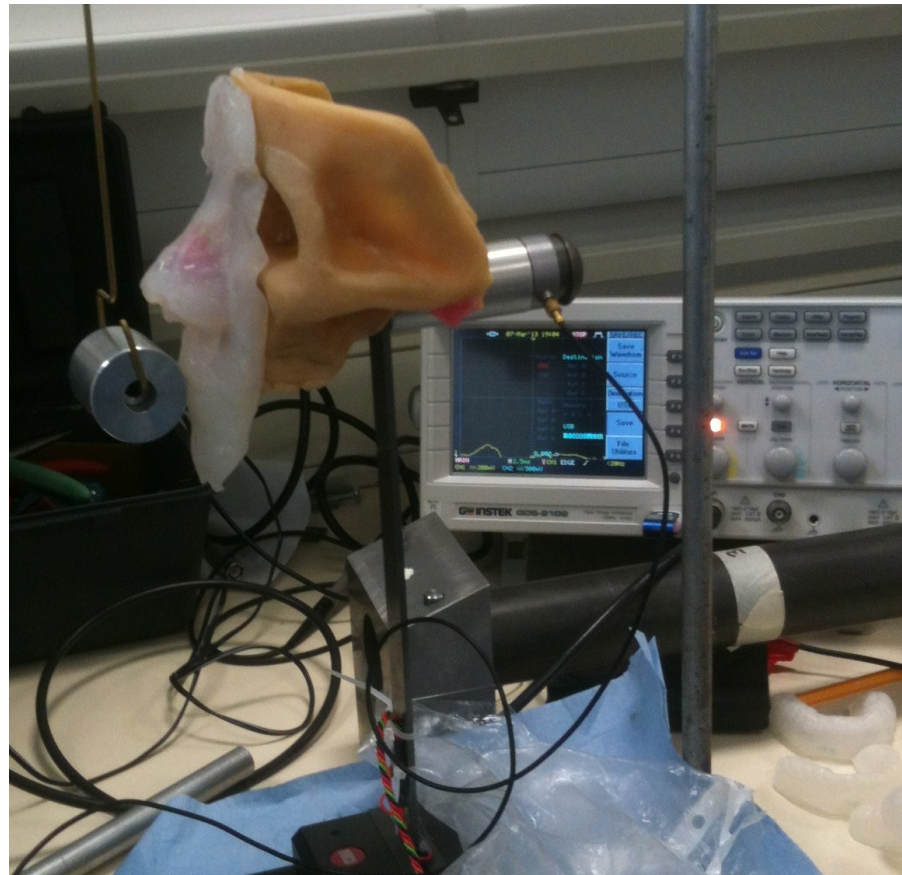
E-learning



Materials teaching facilities



Research led teaching



- Supporting Trainees to achieve their potential

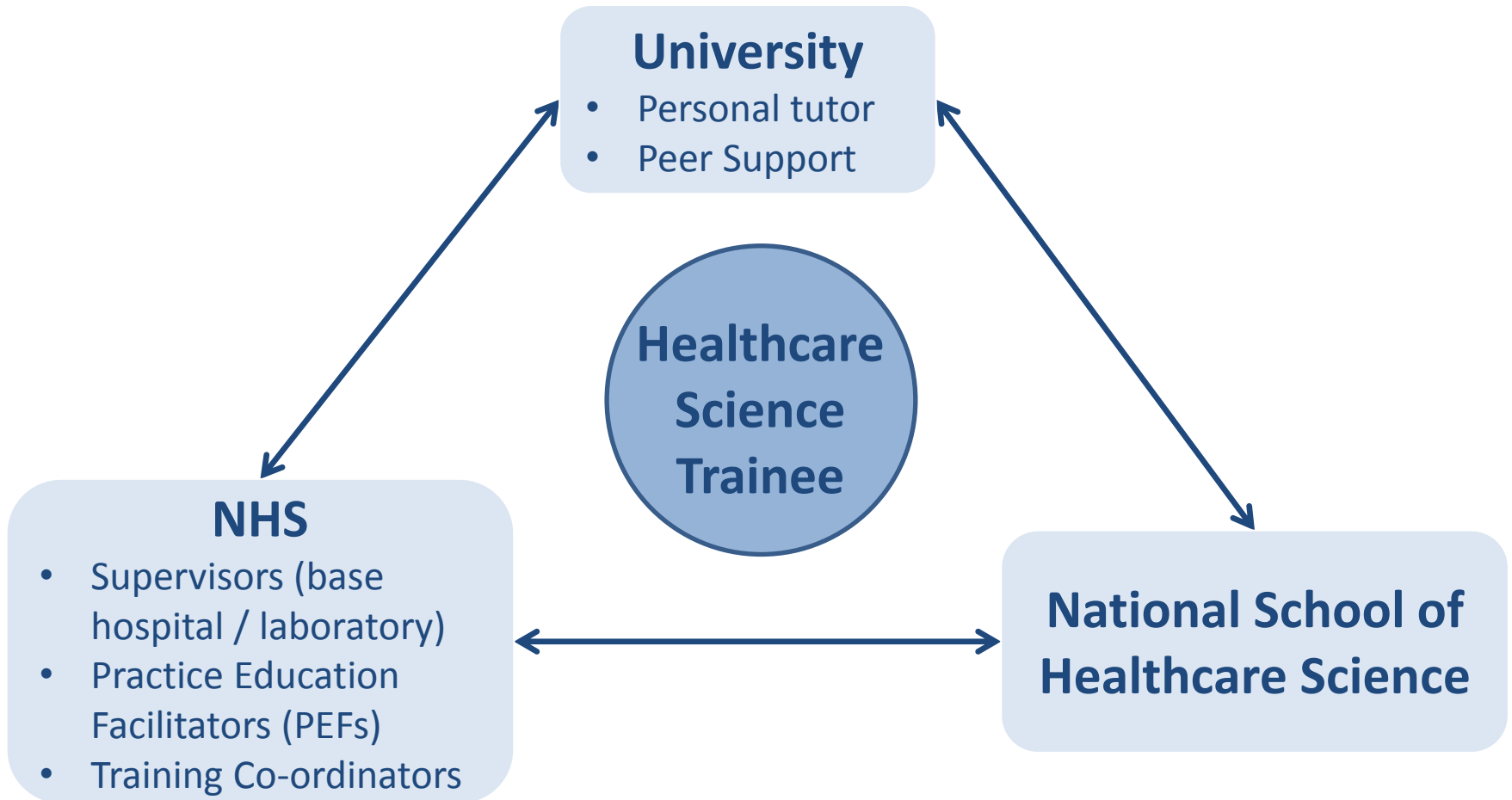
Support and Supervision



FaceTime.



Support and Supervision



How does the programme interface with patients?

SERVICE USER AND CARER ENGAGEMENT

OSCE



Changing
the way you face
disfigurement



Service User Engagement

- MAHSE patient forum
 - Held quarterly to feed into the MAHSE Board
 - Aims to involve service users in the:
 - Development of teaching tools and materials
 - Assessment through practical exams and role play
 - Programme planning and evaluation
- Programme specific
 - Minimum of six monthly meetings with members of the Institute of Maxillofacial Prosthetists and Technologists