

maa news

The Newsletter of the Medical Artists' Association of Great Britain • Summer 2004

Conference 2004, Chilworth Manor, Southampton

We arrived on a sunny April morning in Southampton and were greeted by the splendid grounds and sumptuous rooms of Chilworth Manor.

Friday 2 April

Initially there was a Council meeting to enable the business of the day to be concluded before the scientific programme got underway.

The meeting opened with a personal account of life after the MAA Postgraduate Course by Pascale-Pollier Green the first student to complete the modern scheme.

She now lives and works in her native Belgium, and has recently become employed by a Dutch Company working on medical images for their website – www.drjones.nl for which she produces files which are sent electronically to the client, meaning that she can work from home and still manage to balance her family life and working commitments.

What followed was a talk by two M.Phil students from Manchester, firstly Chris Rynn spoke about “Nasal Reconstruction” and some of the work he has produced at Manchester under the supervision of Dr Caroline Wilkinson, research in which he has improved upon the approximation technique pioneered by Garasimov in Russia.

Secondly Paula Rhymes entertained us with her account of the theory and methods behind creating a mechanical model of the swallowing mechanism, to demonstrate anomalies of the glossopharyngeal nerve, which in severe cases can lead to dysphagia and aspiration pneumonia.



The exhibition of artwork

A welcome tea break provided an opportunity to view the exhibition of artwork. There was a wide range of excellent work and some of the student pieces were quite outstanding.

Next on the programme was Angela Christie Director of the Medical Artists' Education Trust, who presented her paper about her experiences as a small child and her opportunity, upon leaving school, to go on to art college. She went on to speak about taking over the MAET Course, and what a huge hill the students had to climb, we were told about the new MAA Bursary which will enable two students per year to be based with a professional medical artist for a period of one week

intensive work placement in a particular field of expertise. She passed on some quotes of inspiration to the members:

“Freedom to become your own possibility”

“Freedom is the condition of all development”

In closing she made us all aware that the MAA can only be as good as those who inherit it, those who make it.

We work in hope.

Finally in this session Mandy Miller gave us an update to her work on the MAA website and demonstrated some of the content which, provides members with areas where they can

promote their own skills and gain professional information. The website demonstrated a modern design with current content and was easy to navigate around.

Discussion followed among the members about features they would like to see included when the website is launched

We retired for the evening to enjoy our Annual Dinner at which Ruth Eaves was congratulated on passing her final Assessment and was presented with her Certificate of membership of the Association by the Honorary President, Dr. Ronnie Brown. We were further entertained by the wit of our after dinner speaker, Sir Barry Jackson, Master of The Worshipful Company of Barber Surgeon's.



The Annual Dinner



Ruth receives her certificate

Saturday 3 April 2004

After a well earned rest and a hearty breakfast we took up residence in the Stable Block (check with Anthony) for the next day of proceedings.

Our host Anthony Rollason took it upon himself to open the day with an account of his work in the field of 3D medical model making. He told us it was essential to break down the problem and focus on the learning potential of the teaching model. He demonstrated a catheterisation trainer, which could be filled with water, and had the ability to mimic the feel of an enlarged prostate, for added realism the whole model can be included in a dummy pelvis. His next demonstration was of a tracheostomy model with replaceable skin and trachea for use on Advanced Trauma Life Support (ATLS) Courses. He also demonstrated a female pelvis,

which could be fluid filled and give a realistic response during a laparoscopic approach. His company had also produced a realistic female breast model for use as a sentinel node biopsy trainer, which responds to nuclear medicine testing techniques, the breast and axilla are previously implanted with active lymph glands that need to be located and excised along with other non-active glands which need to be avoided to increase the realism and improve the searching skills element in the model. Anthony tries to create trainers which look and feel as close to the real anatomy as possible. He has developed a working nervous response model for an epidural trainer with active feedback, and all the stand alone trainers can be used anywhere in the world

All of the models on show had a very realistic feel and resistance and reacted just like human anatomy, they also included anatomical structures that need to be avoided as in the real patient.

Following on the same theme of medical training and education, our next speaker was Roger Smith, Manager of the Clinical Skills Unit at Southampton University.

Roger informed us of the government pledge for medical education since

1993, to improve communication and clinical skills with patients and carers. The Southampton Unit is a leading centre for excellence for inter-professional learning with over 1,000 students per year using the resource centre. Students are from all levels, undergraduate and postgraduate, and some external users include The Royal Navy, the Police, BP and other Universities, Royal Colleges and Primary Care Trusts

The government had invested £3.1M in the building of the Unit at Southampton one of 40 similar Clinical Skills Units around the country.

He went on to inform us why the government had invested so much in Clinical Skills training, it leads to shorter hospital stays for patients and few patients today are happy to be practised on. There are now more medical students for each college, typically 200+ and there is an increasingly litigious patient demographic, which means competence training prior to qualification is crucial to future success or any NHS Trust, at least you can make mistakes on models and learn to get it right before treating real patients.

What clinical Skills users require most in a model is realism, durability and



greatly influenced the career and work of Dorothy Davidson in Manchester, one of the Association's Founder Members. Richard closed with some fine examples of the work Dr Frank Netter surely one of the best-known and most prolific medical artists of the modern age.

Our final demonstration of the session was given by John Mainwaring, a former Design and Technology Secondary School teacher who had become involved with casting and moulding Bronze Age artefacts for museums and television use. An example of the work he creates was passed around, a copy of a Bush Barrow Bronze Axe Head for the Devizes Museum. He told us of a huge collection of Bronze Age artefacts found by a Victorian collector in the Pickering Valley, and handed round a copy of an Axe Head found in an archeological dig at Flag Fen near Peterborough and a Bronze Age dagger. He showed examples of knife blades with bone or wooden handles some with and some without the Tang, the solid support inside the handle, these objects were work hardened metal for extended life of the object and possibly traded in or recycled at the end of its life. He demonstrated his casting and moulding techniques on a hollow socketed axe head, using the lost

sensible pricing and an involvement in research and development. Most Clinical skills centres across the country employ pseudo patients and medical actors to take the role of simulation patients who are trained to react in a realistic way during a painful scenario.

Our next speaker was known to many of us as past Chairman of the Association, Richard Neave, he spoke about the History of Medical Art in his talk entitled a "Brush with Medicine".

Richard engaged us with the role of pictures in history as the only method of recording, before photography and videography. The observation of medieval surgery involved a huge understanding of human anatomy. The talk was illustrated by the use of images from Hwuatō 190-260AD, Galens now famous dissection class, "The Cure of Folly" by Heironymous Bosch. It would not have been complete without examples from Leonardo Da Vinci and the published work by Vesalius including paintings and engravings created by the Dutch artist Calcart. These are all depictions of anatomy and life together. We were shown a picture of the Wound Man an instructional illustration by Hans Guzdorf, which was also a social documentary of the weapons in use at the time of 1511. The 3 dimensional aspect of the work by Julio Zumbro was illustrated and we were shown the work of Ercol Leli, who was an artist first and foremost,

a fine draughtsman, wood carver and wax modeller, he created art and anatomy together as one for use in the education of man. More examples followed, the work of Jan Vandelaar (1697-1740) on Albino's and semi-articulated skeletons. The work of brothers William and John Hunter was shown along with that of Joshua Reynolds and an early casting of a baby made by a lecturer in sculpture from the Royal College of Art.

We were brought into the modern age of medical illustration with examples of the work Bruno Eru for Spalterholz, who was a contemporary of Max Br'del who worked in America and



Angela Christie, Director of Education on left and Jenny Halsted, Chairperson Elect on right, someone behind

wax process, a relatively inexpensive technique using MDF off-cuts. John spoke about some work he had been asked to carry out for Scottish Archeology Week, by far the oldest find of Bronze Age Axe heads, casting them revealed that some 4 different types of hammer had been used to make the objects and that the bronze-

smith had been left handed. John showed some casts of object that were made for the West Sussex Museum.

We broke for a very good and well deserved lunch, which was a perfect excuse to discuss topics from the morning's talks.

imagination and ability to keep smiling whilst parts of them were encased in bright green rubber or dental alginate.



Carolione Wilkinson (Hon Sec 1), Paula Rhymes, Denise Smith (Hon Sec 2) and an overtanned man



Amanda Williams and Mandy Miller (MAA Website) and that overtanned Philip Wilson behind



Philip Ball and Philip Wilson

The afternoon session was an opportunity for members to try their skills at modelling and casting techniques with all the materials and expertise on hand to cast many and various body parts from wax and plaster in enough time to be able to take something worthwhile home from the meeting. Much fun was had and many photographs were taken to prove the extent of the member's



Alan Waller (Hon Treasurer) loses the will to live under the relentless humour of Paula



Anthony Rollason (MAA Chairman, Conference Chairman and Workshop Demonstrator)



Amanda frees her foot from the alginate mold



Ammanda's plaster cast foot is revealed

We are all very grateful to Anthony Rollason and his Company for sponsoring and organising a varied programme and such an interesting selection of speakers, and on a personal note the venue was delightful.

Philip Ball



Pascale is silenced



Pascale's lips and chin immortalised

Medical Web Links

Atlas of Human Anatomy in Cross Section

Ronald A. Bergman, Ph.D., Adel K. Afifi, M.D., Jean J. Jew, M.D., and Paul C. Reimann, B.S.



A high-quality colour photographic atlas of sectional anatomy in the axial plane. 'The atlas provides an invaluable resource for medical students, surgeons, and radiologists.'

<http://www.vh.org>

Click on 'Anatomy Resources'

Gray's Anatomy Online

(currently 20th edition)



'Internet publisher of literature, reference and verse providing students, researchers and the intellectually curious with unlimited access to books and information on the web, free of charge.'

<http://www.bartleby.com>

For Gray's Anatomy click on the 'Reference' tab, then scroll down to the anatomy section.

Online Medical Dictionary

Part of The CancerWEB Project and published at the Dept. of Medical Oncology, University of Newcastle upon Tyne.

<http://cancerweb.ncl.ac.uk/omd/>

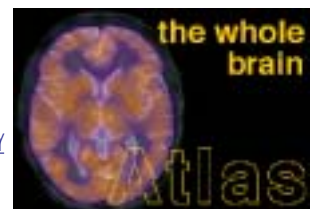


Harvard Medical School's Whole Brain Atlas

Keith A. Johnson, M.D., J. Alex Becker

'An atlas of normal and pathologic structure images, and multiplanar and vascular anatomy which integrates clinical information with MR, CT, and nuclear medicine images.'

<http://www.harvard.edu/AANLIB/home.html>



MUMMY: the inside story

From 1 July, an extraordinary virtual reality film and its accompanying exhibition will be unveiled at the British Museum. For the first time, the unopened 3,000- year old mummy of Nesperennub, priest of Karnak, will reveal its secrets. Data obtained using a CT scanner has been transformed into a unique 'virtual mummy' which can be examined interactively in 3D stereo. You will be able to look inside the mummy-case and under the wrappings, even travel inside the body, and wonder at Nesperennub's recreated face.

Don't miss this extraordinary insight into the life and death of the Ancient Egyptians.

The facial reconstruction was completed by Caroline Wilkinson at the Unit of Art in Medicine.

<http://www.thebritishmuseum.ac.uk/mummy/compass.html>

MAA Anatomy Drawing Course

Department of Anatomy, University of Cambridge, Downing Site, Cambridge 23rd - 24th September

Starting at 11.00 on Thursday and finishing at 16.00 on Friday.

Fees: To be confirmed nearer the date, in the region of £60 for the two days not including accommodation. (accommodation to be arranged on a personal basis, information will be sent out to confirmed delegates).

The event is provided for MAA Students but members are welcome especially those who no longer have access to pathology museums or real anatomy in the flesh...

Further details:
Philip Ball
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Talking Soap

Hello, is Mr Flenchart available?

Sure, here I am. Watdeyerwant son?

Ah, er, hallo Mr Flenchart. This is Jim Smith, I'm doing the illustrations for your American Nursing Book before you return to Detroit.

Yes, great stuff. Great stuff. Gerrrate!

Umm, I thought there was a problem? I had a message to call as soon as possible? Extremely urgent?

Ha ha, ha ha. You Brits! You are so serious!

Ho ho. Which part of 'extremely urgent' isn't serious?

Cumon, lighten up son. I didn't want to miss you between vacations, OK?

Vacations...holidays as in the plural? Mr Flenchart, apart from staying with my aged mother in Essex on the occasional weekend fighting with her rampant garden the last holiday I had was in 1998, that was a week in a leaky caravan on the Isle of Wight. Do you know where the Isle of Wight is?

Ha ha, ha ha, not in the Carribbean then huh?

Not exactly, really very nice but no, not in the Carribbean .

Look my man, if you can only afford the Med, that sure ain't my problem!

The Isle of Wight is not in the Mediterranean... Oh never mind.

What is this problem then?

Well your piccys are very pretty, but the nurses putting venous drips in and changing all the dressings and stuff, well they ain't very sexy. Yeah?

Silly, my mistake. I thought I was preparing medical illustrations for medical education. Why didn't you say you wanted sexy "piccies"?

Hey don't get clever with me sonny.

I'm sorry, perhaps you could explain what you mean by "sexy"

Hell, I just mean a bit more glamour. I'm not wanting suspenders, just make the nurses glow a bit more.

"Glow"?

Sure, a nice sexy smile. Stuff like that!

This is Mr Flenchart, consultant surgeon I'm talking to?

Huh? Sure is, you gotta problem son?

No, no. I haven't actually er, ever had to illustrate a nurse's sexy smile before.

Well never to late, huh?! I must get going, Gala Lunch with some very attractive guests. Have a nice day now.

Er, yes quite. Umm, bye then...

Council

Council has met at Conference on the 3rd April and 20th May 2004.

MAA News

MAA News is published four times a year by the Medical Artists' Association.
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