



Tania C.S. Cubison

CURRICULUM VITAE

of

Lt Col Tania Clare Strange Cubison
MBBS FRCS FRCS (Plast) RAMC

Consultant in Burns and Plastic Surgery



Tania C.S. Cubison

PERSONAL DETAILS

NAME Tania Clare Strange CUBISON, (married name HARPER)

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DATE OF BIRTH 8 Jan 1967

PLACE OF BIRTH Pembury, KENT

MARITAL STATUS Married

MILITARY STATUS Commissioned into the Army 1988. Currently on an Intermediate Regular Commission serving in the rank of Lt Col in the Royal Army Medical Corps

GENERAL MEDICAL COUNCIL 3539163 Specialist Register for Plastic Surgery

MEDICAL DEFENCE UNION 269618E

QUALIFICATIONS

MBBS JULY 1991
University of Newcastle–Upon-Tyne Medical School,
FRCS NOVEMBER 1997
Royal College of Surgeons of England
FRCS (Plast) SEPTEMBER 2006
Royal College of Surgeons of England

PRESENT POST

Consultant Burns and Plastic Surgeon – Queen Victoria Hospital, East Grinstead



Tania C.S. Cubison

Special Interest in Burns and Lower Limb reconstruction

EXPERIENCE SUMMARY

Speciality	Position	Hospital	Mths	Year
Plastic Surgery	Burns Fellowship	Chelmsford	6	2007
Plastic Surgery	Micro/Aesthetic Fellow	McIndoe Surg C	9	2006-2007
Plastic Surgery	Specialist Registrar	East Grinstead	7	2006
Plastic Surgery	Specialist Registrar	RVI Newcastle	30	2003-2006
Plastic Surgery	Specialist Registrar	East Grinstead	17	2002-2003
Plastic Surgery	Senior SHO/Acting Reg	RH Haslar	6	2001-2002
Plastic Surgery	Senior SHO/Acting Reg	Stoke Mandeville	6	2001
Plastic Surgery	Trauma Assist/Locum Reg	East Grinstead	3	2000-2001
Maternity Leave			5	2000
Plastic Surgery	Senior House Officer	East Grinstead	2	2000
General Surgery	Senior House Officer	Frimley Park / Northern Ireland	8	1999-2000
Plastic Surgery	Senior House Officer	East Grinstead	11	1998-1999
Maternity Leave			5	1998
Plastic Surgery	Senior House Officer	East Grinstead	2	1998
Plastic Surgery	Senior House Officer	RN Haslar	3	1997-1998
Orthopaedics	Senior House Officer	RN Haslar	3	1997
General Surgery	Senior House Officer	RN Haslar / Northern Ireland	6	1997
Plastic Surgery	Senior House Officer	East Grinstead	6	1996-1997
Neurosurgery	Senior House Officer	Southampton	7	1996
Orthopaedics	Senior House Officer	BMH Rinteln	6	1995
General Surgery	Senior House Officer	BMH Rinteln	6	1995
Regimental Duties	Regimental Medical Officer	Welsh Guards	3	1994
General Surgery	Locum Senior House Officer	CMH Aldershot	3	1994
Regimental Duties	Regimental Medical Officer	Royal Reg Wales	18	1993-1994
Post Grad Training			4	1992
General Surgery	Pre-Registration House Officer	CMH Aldershot	6	1992
Medicine	Pre-Registration House Officer	DKMH Catterick	6	1991-1992

CURRENT POSITION

Although employed by the Ministry of Defence, I am currently working as Consultant in Burns and Reconstructive plastic surgery at the Queen Victoria Hospital NHS Foundation Trust in East Grinstead. I specialise in acute burns in adults and children and secondary scar revision, as well as lower limb trauma. I also undertake general plastic surgery and hand trauma as part of a duty rota. My Private Practice includes a range of general plastic surgery procedures as well as medico-legal work. I am happy to produce reports on all forms of scarring and also undertake child protection cases.

PLASTIC SURGERY EXPERIENCE



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During my first 4 years of plastic surgery higher surgical training I worked for a number of consultants, with a wide variety of surgery interests, these have included acute burns, hand surgery, breast reconstruction, head and neck surgery, secondary burn reconstruction and general plastic surgery. I have taken part in an on-call rota and been part of a variety of emergency procedures. I am now confident to perform the majority of hand surgery cases including open fractures and replantation, and have also been part of the team for more major cases such as a two level arm replant.

For part of my fifth and sixth years I had the opportunity to work in a split role. Focusing on the areas that I felt would be of most benefit to ensure a fully rounded training. I undertook a part time aesthetic fellowship at the McIndoe Surgical Centre, whilst also continuing for the other sessions in a supernumerary role as an additional microsurgical fellow/ senior registrar at the Queen Victoria Hospital. During this period I was able to work with a number of consultants and was able to undertake more complex procedures on parallel lists, allowing me to take a more responsible role, and to build up my confidence in procedures such as breast reconstruction with Latisimus Dorsi and TRAM/DIEP flaps. As a part time Aesthetic fellow I attended the McIndoe Surgical centre for 2 days a week, and also visited Falkham Manor Hospital regularly. I attended clinics, sitting on new patient consultations and follow up visits. I visited patients on the ward pre and post operatively and assisted a number of aesthetic procedures, including face and neck lifts, endoscopic brow lift, blepharoplasty and rhinoplasty.

In 2006 I sat the FRCS(Plast) exit exam and was awarded the McGregor Gold Medal.

During my training I have developed an interest in Laser treatments and have attained the BTEC qualification in Skin Laser Technology, Treatment and Applications.

I have become increasingly involved in clinically based research, and the pursuit of evidence based practice in everyday burn care. I have travelled to many meetings to present my work and have been invited to chair sessions at the 10th Congress of the European Society of Plastic, Reconstructive and Aesthetic Surgery in Vienna in August 2005 and at the British Burn Association Meeting 2008. I have also reviewed papers on both hand surgery and burns. During year 6 I worked with the Research Department at the Queen Victoria Hospital to put together a new research strategy which I hope to take forward in a consultant role.

LOWER LIMB RECONSTRUCTION

As a medical student I was able to visit the Med Star Unit at the Washington Hospital Centre as part of my elective at the American Forces Medical School in Bethesda USA, and was initially planning to be a Trauma surgeon. I have retained an interest in leg trauma during my general surgery training. While a Senior registrar/Microsurgery fellow at the QVH I was able to further develop my interest in lower limb trauma and its reconstruction. I had my own weekly lower limb trauma list, and carried out a number of free tissue transfer procedures for open tibial fractures (with senior consultant input where needed). I was also able to perform procedures at other hospitals as part of a multidisciplinary team. I attended the Charing Cross Lower limb trauma course in June 07, and have now taken on the role of lower limb trauma clinical lead, facilitating the early transfer of these often difficult cases. As a Consultant I continue my weekly lower limb trauma list, and have joined with local orthopaedic colleagues to develop a multi-disciplinary clinic, and am part of the Sussex Trauma Network Committee, planning the Regional Strategy for Lower Limb Trauma.

BURN CARE

I have a special interest in burn care and I have spent a significant amount of time working with burn patients (now in 4 centres), both acutely and during long term reconstruction programmes. I have spent time trying to improve the pre-burns centre management of patients by introducing a new transfer proforma and modifying this over nearly 10 years, and I have also been involved in collecting epidemiological information to try and improve both resourcing of burn care and prevention of burn injury. During my burn fellowship I co-ordinated the clinical and screening components of an



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outbreak of PVL Toxin producing MRSA, and have furthered my knowledge both in the practical clinical and managerial aspects of this problem.

I have developed practical skills in assessment of burn injury, resuscitation and acute surgical intervention including escharotomy, excision techniques and split skin grafting. I have also been involved in secondary burns reconstruction using a variety of techniques including local flaps, tissue expansion, and specialist composite or hair bearing grafts as well as newer techniques of resurfacing, with skin substitutes and the use of biological dressings.

My last training post allowed me to be involved in burn care at a senior level, assessing and planning treatment for very complex acute burn patients, and also to understand the managerial aspects of being a burn consultant.

In January 08 I was able to visit the Shriners Hospital for Burnt Children in Galveston, Texas. I was able to observe the acute management of a large number of very severe burns (all over 40% body surface area) in children in a large well structured multidisciplinary team with a huge research facility. While in Texas I was also able to visit the American Military Burns facility at the Brooke Army Medical Centre in San Antonio and the Institute of Surgical Research. I was made very welcome by the American Burn Teams and hope to return in the future.

SCAR MANAGEMENT

Scarring has a very significant impact on a patient's well-being including functional, aesthetic (cosmetic) and psychological issues. I have a wide experience of scar management techniques and have undertaken clinical research into scar formation. My work on scarring has been published in peer review journals and presented at international meetings. I have also been a joint author of the chapter on surgical scar revision in an internationally recognised plastic surgery reference book. I work within a multi-disciplinary team including psychologists, occupational therapists and physiotherapists to ensure that the patient receives the best possible care for all their concerns. My clinical practice includes both surgical and non-surgical techniques and I am also a BTEC Qualified laser practitioner. This allows me to offer laser methods of scar treatment, although the indications for this are fairly uncommon. I am actively involved in clinical trials and employ many of the latest techniques in scar management including cell culture, skin substitutes and biological dressings.

CAREER AIMS

I aim to become a senior military Consultant Plastic Surgeon, with special interests in burns and trauma reconstruction.

I would like to be working in a busy Burns Centre looking after patients with acute burns, planning long term rehabilitation and being actively involved with the training of all levels of military personnel in the prevention and management of burn injury. I would also like to continue my interest in lower limb trauma and microsurgery and work with the team at Hedley Court to provide long term care for injured soldiers and to provide high quality care for my civilian patients with lower limb injury as part of an integrated Trauma Network.

AWARDS and PRIZES

Montefiore Bronze Prize for General Surgery - Nov 92 (Military Prize).

Newcastle University Medical School Special Study Prize for a Project on External Fixation- Aug 90.

Royal Society of Medicine Plastic Surgery Case Presentation prize 1996

Queen Victoria Hospital Clinical Audit Awards 2001 – 2nd Prize

British Burns Association Presentation Prize 2002

McGregor Medal FRCS (Plast) - Sept 2006

St Andrews (Hackett) Audit Prize – Oct 07

PLASTIC SURGERY COURSES

Northwick Park Microsurgical Course April 99



Skills Course in Hand Surgery – RCS Jun 01
Emergency Management of Severe Burns Course – Edinburgh 02
Radiation Protection and use of the Image Intensifier – East Grinstead Mar 02
Emergency Management of Severe Burns Instructors Course – Birmingham May 02
Child Abuse Training Day – East Grinstead May 03
Instructional day in Aesthetic Plastic Surgery – RSM May 03
Doctors on Trial – East Grinstead June 03
Laser Training Day – East Grinstead June 03
Mini fragment workshop – Derby July 03
BTEC Laser – Nottingham May 04
Critical Care of the Burnt Patient – London Jan 05
Fundamental Techniques in Burn Reconstruction – London Feb 05
Plastic Surgery in Times of Trauma – London Mar 05
BAPS Educational Course in Plastic Surgery I – Manchester May 05
BSSH Educational Course in Hand Surgery II – Manchester Jun 05
BAPS Educational Course in Plastic Surgery II – Manchester Sept 05
Edinburgh Hand Course – Edinburgh Jan 06
BSSH Educational Course in Hand Surgery III – Manchester Feb 06
BAPS Educational Course in Plastic Surgery III – Manchester Mar 06
BSSH Educational Course in Hand Surgery IV – Manchester Jun 06
FRCS Plast Revision Course – Canniesburn July 06
FRCS Plast Mock Exam Study Day – Norwich Sept 06
Lower Limb Trauma/Open Tibial Fractures – Charing Cross June 07
Good Clinical Practice Training – Tunbridge Wells June 08

NON PLASTIC SURGERY COURSES

Advanced Trauma Life Support Course and Advanced Cardiac Life Support Course - USA July 89.
Battlefield Advanced Trauma Life Support Sept 92.
Advanced Course in Military Medicine for Medical Officers - Int Com of Mil Med - South Africa 94.
Practical Field Surgical Training Course - Denmark May 95.
Maxillo Facial Trauma Study Day - Royal College of Surgeons Mar 96
Anastomosis Workshop - Royal Army Medical College Dec 96
FRCS Part II Written and Practical Courses Apr 97, Apley Orthopaedic Course for FRCS Sept 97
Paediatric Advanced Life Support – East Grinstead June 99, Emergency Obs and Gynaecology – Gosport Nov 00
Other military courses in instructional techniques, first aid instruction, casualty simulation etc.

PUBLICATIONS

- 1. External Fixation of Lower Limb Fractures in Children** (RJH Gregory, TCS Cubison, IM Pinder and SR Smith.) The Journal of Trauma. Nov 92 Vol 33 No 5. 691-3
- 2. Warming Milk : A preventable cause of scalds in children** (SLA Jeffery, TCS Cubison, C Greenaway, PM Gilbert and N Parkhouse) British Medical Journal. Jan 00 Vol 320 No 7229. 235
- 3. Treatment before transfer: the patient with burns** (HL Ashworth, TCS Cubison, PM Gilbert, and KM Sim) Emergency Medical Journal (prev Journal of Accident and Emergency Medicine). Sept 01 Vol 18 349-351
- 4. Lasagne: A simple model to assess the practical skills of split skin graft harvesting and meshing.** (TCS Cubison, T Clare) British Journal of Plastic Surgery Jan 03 Vol 55/8 703-704
- 5. The Principles of Plastic and Reconstructive Surgery**, Chapter 22. Military field surgery text book. (TCS Cubison, AD Malyon) HMSO 2003
- 6. The Domestic Washing Machine: a common cause of electrical burn** (N Nicolaou, D Humzah, TCS Cubison, PM Gilbert) European Journal of Plastic Surgery (2004) 26:422-424
- 7. Colour Coding for Hand Rehabilitation** (TCS Cubison, MHM Seath, HJCR Belcher) Annals of Royal College of Surgeons 2004 Vol 86 (4) 306



8. So much for percentage, but what about the weight? (TCS Cubison, PM Gilbert)

Emergency Medical Journal 2005, Vol 22 (9) 643-645

9. Chapter 12. Scar Revision. : In Plastic Surgery the Second Edition (Ed Mathes)

A Chapter for the new edition of the text book previously known as McCarthy
(N Parkhouse **TCS Cubison**, D Humzah,) – WB Saunders, Dec 2005

10. Dermal Preservation using the Versajet® Hydrosurgery System for Debridement of Paediatric Burns (TCS Cubison, SA Pape, SLA Jeffery) - Burns 2006 Vol 32 (6) 714 -720

Response to comments by Dr Gravante and colleagues (re article: Dermal Preservation using the Versajet® Hydrosurgery System for Debridement of Paediatric Burns) , **TCS Cubison** – Burns 06

11. Evidence for the link between healing time and the development of hypertrophic scars (HTS) in paediatric burns due to scald injury .(TCS Cubison, SA Pape, N Parkhouse). Burns 2006 Vol 32 (8) 992 - 999.

The Pre-Burns Unit Management of the Burnt Patient (TCS Cubison and HL Ashworth) Published in Abstract .
Emergency Medicine July 99.

Improving pre-burns centre management: the introduction of a new transfer proforma (T.C.S.Cubison
A.Pirayesh W.Y Li, H.L.Ashworth, K.Sim and P M Gilbert) Published in Abstract. Emergency
Medicine July 01

Accepted

The Impact of Recent Legislation on Paediatric Fireworks Injuries in the Newcastle upon Tyne Region
(AFL Edwin, **TCS Cubison**, SA Pape,) Accepted by Burns 08

PRESENTATIONS

1. A Case of Nasal Reconstruction ..TCS Cubison and N Parkhouse

Royal Society of Medicine in London Nov 96. **Awarded the presentation prize.**

2. East Grinstead Burns Unit Database and Clinical Governance . TCS Cubison

Invited Speaker British Burn Association: Apr 99

3. The pre burns unit management of the burnt patient. TCS Cubison, HL Ashworth, K Sim and PM Gilbert. The 2nd Trauma Care Conference . June 99

4. Treatment before transfer, the burnt patient. TCS Cubison, HL Ashworth, K Sim and PM Gilbert
Tri-Service Surgical meeting Oct 00

5. Burn Resuscitation . TCS Cubison. Instructional meeting on the management of burns. Stoke
Mandeville Feb 01

6. An overview of two years of the East Grinstead database, TCS Cubison and SM Booth
British Burn Association April 01

7. Improving pre-burns centre management: the introduction of a new transfer proforma. TCS
Cubison A.Pirayesh WY Li, HL.Ashworth. K.Sim, PM Gilbert. Trauma Care, Edinburgh Jun 01
and European Burns Association Lyon Sept 01

8. The epidemiology of burns from the first two years of the East Grinstead database.
TCS Cubison S.Booth and P M Gilbert. European Burns Association Lyon Sept 01

9. Major petrol burns: Outcome in 20 patients vs non-petrol-related burns, treatment algorithm and
literature review. A Pirayesh, **TCS Cubison**, BM Richard, MI James and PM Gilbert
European Burns Association Lyon Sept 01

10. Composite auricular cartilage grafts to reconstruct the philtrum of the upper lip after burn injury.
TCS Cubison and N Parkhouse. British Association of Plastic Surgeons Winter Meeting 2001.

11. So much for percentage, but what about the weight? TCS Cubison, PM Gilbert
Tri Service surgical meeting Mar 2002

12. Surgical complications in the MDHUs..... are we truly recording them? AN Pandya, TCS
Cubison, GV Scerri. Tri Service surgical meeting Mar 2002

13. So much for percentage, but what about the weight? TCS Cubison, PM Gilbert
British Burn Association May 02 **Awarded the best presentation prize.**



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14. Military Plastic Surgery Provision, Who will care for the next generation of Guinea Pigs?
TCS Cubison, A Willman, P Roberts, GV Scerri .BAPS Winter Meeting 2002.
 15. Paediatric Scalds: An Audit of Current Practice and presentation of suggested guidelines for follow up of scalds over 5% TBSA. **TCS Cubison**, O Harley, PM Gilbert. BBA April 03
 16. Plastic Surgery Under the New Deal. **TCS Cubison**, J Skillman, JW Blair, KW Cullen
British Association of Plastic Surgeons Summer Meeting 2003.
 17. Telemedicine as an adjunct to the Pre-Burns Centre Management of the burnt patient
TCS Cubison, D Wallace, PM Gilbert. Poster European Burns Association Meeting , Norway Sept 2003, British Burn Assoc April 04 and International Society of Burn Injury, Yokohama Japan Aug 04
 18. A Comparative Audit of the Management of Paediatric Scalds in two British Burn Centres
TCS Cubison, M Kernohan, M Warden, ND Athey, CA Reid, PM Gilbert. BBA April 04
 19. The Tea Scald, A Homogenous Injury? **TCS Cubison**, A Bangash, PM Gilbert
Poster BBA April 04 and International Society of Burn Injury, Yokohama Japan Aug 04
 20. Chemical burns in a toddler, an unusual aetiology. S Donnelly, **TCS Cubison** and CA Reid
Poster BBA April 04 and International Society of Burn Injury, Yokohama Japan Aug 04
 21. A Comparative Audit of the Management of Paediatric Scalds in two British Burn Centres
TCS Cubison, M Kernohan, M Warden, ND Athey, CA Reid, PM Gilbert
International Society of Burn Injury, Yokohama Japan Aug 04
 22. Mass Casualty Planning in Burn Disaster, **TCS Cubison**, presentation of surgical forum
International Society of Burn Injury, Yokohama Japan Aug 04
 23. Burns Disaster – The military role, **TCS Cubison**
Combined Services Plastic Surgical Society Oct 04
 24. Long Term Outcome of Scald injury. **TCS Cubison**
Northern Regional Burns Network Annual Study Day Nov 04
 25. A Model for fracture fixation. V Agrawal ,**TCS Cubison**, , B Crowley, RH Milner
British Society for Surgery of the Hand Nov 04
 26. Practical Training in Fracture Fixation, a simple solution,
TCS Cubison, V Agrawal, B Crowley, RH Milner, BAPS Winter Meeting 04
 27. Long-term Outcome of paediatric scald injury- a multidisciplinary approach. Epidemiology and Selection Issues. **TCS Cubison**, A Ponniah, A McKenzie, F Toland, L Johnson, L Sanger, CA Reid
Oral Presentation British Burn Association April 05
 28. Multidisciplinary follow up of paediatric scalds – therapy and psychosocial perspectives.
F Toland, L Sanger ,**TCS Cubison**, A McKenzie, A Ponniah, L Johnson, , CA Reid
Oral Presentation British Burn Association April 05
 29. Multidisciplinary follow up after scald injury – Outreach Issues and conclusions
TCS Cubison, A McKenzie, A Ponniah, F Toland, L Johnson, L Sanger, CA Reid
Oral Presentation British Burn Association April 05
 30. Gunpowder treason and plot: Bonfire and fireworks injuries – are current prevention strategies enough? A Edwin, **TCS Cubison**, CA Reid. Oral Presentation British Burn Association April 05
 31. Tisseel fibrin sealant for skin graft application in burns. A Stannard, **TCS Cubison**, SLA Jeffery
Oral and video Presentation at ESPRAS Vienna Sept 05 also as Poster BBA April 05
 32. Versajet hydrosurgery for paediatric burn debridement. **TCS Cubison**, SLA Jeffery
Oral and video Presentation to ESPRAS Vienna Sept 05 also as Poster BBA April 05 and oral presentation to Combined Services Plastic Surgery Meeting Oct 05.
 33. Contact Dermatitis Presenting as an acute chemical burn. S Alam, F Nor, **TCS Cubison**
Poster British Burn Association April 05 and Poster European Burns Association Portugal 05
 34. Assault by Salbutamol inhaler. DE Barnes, **TCS Cubison**, SLA Jeffery
Poster British Burn Association April 05 and Poster European Burns Association Portugal 05
 35. A ten year review of paediatric firework injuries – The impact of legislation.
AFL Edwin, **TCS Cubison**, CA Reid. Oral Presentation ESPRAS Vienna Sept 05
 36. Paediatric bonfire injury in Newcastle in November, can we prevent it?
AFL Edwin, **TCS Cubison**, A Bangash, CA Reid, SLA Jeffery, PM Gilbert
Oral Presentation ESPRAS Vienna Sept 05
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37. Laser Doppler Imaging in the Burns Operating Theatre. **TCS Cubison**, AFL Edwin, AR Lecomber, SLA Jeffery, SA Pape. Poster Presentation European Burns Association Portugal Sept 05
38. Versajet– A New Tool To Aid In The Application Of Biological Dressings. **TCS Cubison**, AFL Edwin, SLA Jeffery, SA Pape. Poster Presentation European Burns Association Portugal Sept 05
39. The Medical Photographer- A Vital Part Of The Multidisciplinary Burns Team
TCS Cubison, K Guy, SA Pape. Oral Presentation European Burns Association Portugal Sept 05
40. Management of burn in a patient with variegate porphyria. NH Alam, AJ Ramsden, **TCS Cubison**, SA Pape Poster Presentation European Burns Association Portugal Sept 05
41. Our experience with the Versajet hydrosurgery system in paediatric burns. AFL Edwin, **TCS Cubison**, SLA Jeffery, SA Pape. North East Plastic Surgery Meeting Middlesborough Jan 06
42. Defining the Role of Versajet Hydrosurgery in the burn patient – Our first 100 cases. AFL Edwin, **TCS Cubison**, SLA Jeffery. BBA Dublin April 06. Poster for Summer BAPS 2006
43. Maintaining improvements and highlighting problems: a further audit of the east grinstead transfer proforma. **T C S Cubison**, R Taghizadeh, C E Anderson, B S Dhensa, P M Gilbert. . British Burn Assoc Swansea Apr 2007, European Burn Meeting Budapest Sept 2007, British Trauma Soc Nottingham Oct 2007.
44. Are Paediatric Bonfire and Firework Injuries in Newcastle upon Tyne Preventable? AFL Edwin, R Saharia, **TCS Cubison**, SA Pape and RH Milner, British Burn Assoc Swansea Apr 2007, European Burn Meeting Budapest Sept 2007
45. A simple three-dimensional training aid for burn percentage assessment. **TCS Cubison**, SA Pape. British Burn Assoc Swansea Apr 2007, European Burn Meeting Budapest Sept 2007,
46. Scar outcomes after the application of biological dressings : results of a randomised controlled study into scald healing in children. **T C S Cubison**, A Edwin, M Kernohan, S L A Jeffery, B S Dhensa, and S E James. European Burn Meeting Budapest Sept 2007
47. Pustules, vesicles or odd lesions – do these matter in burn patients?
An outbreak of panton valentine leukocidin (PVL) – MRSA in a british burn centre
T.C.S.Cubison, E.L. Teare, R.V.Martin, M. Reacher, S. Millership, O Shelley and P Dziewulski. British Burn Assoc Bristol Apr
48. Manageing an outbreak of panton valentine leukocidin (PVL) – MRSA in a burn centre
E. L. Teare, **T.C.S.Cubison**, R.V.Martin, M. Reacher, S. Millership, O Shelley and P Dziewulski. Poster British Burn Assoc Bristol Apr 2008
49. The use of Versajet® and the Laser Doppler Imager in the operating theatre to direct the early management of paediatric burn injury. The single procedure approach. **TCS Cubison**, BD Dhensa, PM Gilbert. The Int Soc of Burn Injury Meeting, Montreal, Sept 08
50. Evidence for the link between healing times and patient age for hypertrophic scar formation in adult burns, R Shelley, **TCS Cubison**. The Int Soc of Burn Injury Meeting, Montreal, Sept 08
51. The Use of Laser Doppler Imaging (LDI) in the assessment of burns within the first 48 hours of injury. **TCS Cubison**, S Tay, P Dziewulski. S Pape. The Int Soc of Burn Injury Meeting, Montreal, Sept 08

CURRENT PROJECTS

Burn Care Projects

1. The use of sprayed cultured cells in intermediate depth scalds in children
A clinically based research project in East Grinstead and Newcastle. We are carrying out a two centre randomised controlled trial to establish if there is a place for cultured autologous keratinocytes in the management of intermediate depth scalds in toddlers. We have been granted ethical approval, fund raising has achieved the necessary capital, and the first children entered the trial. We started using two groups in East Grinstead; a paraffin gauze only group, and group treated initially with paraffin gauze and cultured cells applied at 2 weeks. Four different groups were recruited in Newcastle, Biobrane alone, Biobrane and cells, Transcyte alone and Transcyte with cells. We hope to demonstrate that a shortened healing time will equate to reduced hypertrophic scar formation.



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Unfortunately due to technical problems with the cell culture facility and the cessation of distribution of Transcyte we had to pause recruitment. However, we hope to start recruiting again over the summer of 2008.

2. A specific prevention strategy to tackle the small but significant occurrence of bonfire injury in the young teenagers of Newcastle. We have collected retrospective and prospective data, have run local media campaigns. We have produced a DVD with video footage of burnt children talking about their injuries and with support from the local education authority have shown the DVD in Newcastle schools. This was followed by a reduction in firework and bonfire injuries in Nov 2006 and 07. The DVDs are now being distributed to a wider area and we hope to achieve National distribution via the Fire-fighters Charity in the future.

3. Laser Doppler imaging during the first 48 hrs after burn injury, a retrospective project comparing actual outcomes with that predicted by the early scans.

4. Considering the time to healing and scar formation patterns in the adult population. To continue the previously published paediatric work.

5. Audit of the actual management of 100 consecutive paediatric burn patients to identify actual healing times and comparing this with Laser Doppler predictions where possible. Aims to confirm the effectiveness of new treatment protocols.

6. Audit of child protection procedures – to identify if at risk children are being appropriately identified and managed.

7. Emergency Management of Severe Burns in the Military setting. Working with the BBA and MOD to try and ensure all military staff treating burn patients on operations have been adequately prepared.

Lower Limb Trauma projects:

1. The appointment of a Nurse practitioner to facilitate the community based management of pretibial lacerations. Aim to reduce delays and hospital length of stays and improve the patient pathway. (Senior Nurse appointed to start this in June 08)

2. Audit of Lower Limb fracture management at QVH, with reference to the BOA/BAPS guidelines and comparing with previous cohorts.

3. Considering the mental state of Lower Limb trauma patients to identify if an extended treatment course with frequent complications results in psychological morbidity. This will allow us to identify if psychological intervention would be appropriate.

MANAGEMENT SKILLS

Departmental Management – During my training at East Grinstead I was very involved in the management of the medical staffing for the plastic surgery department. I instituted a hybrid shift system for the SHOs to be compliant with the new deal and worked with the trust management to try to ensure that their training needs were also being met. I was responsible for the weekly rota of 25 plastic surgery medical staff, including SpRs, SHOs, Staff Grades, and Clinical Fellows. I have designed a variety of computerised solutions to assist in this process. In Newcastle I was involved with the running of the Red Team (Burns and Paediatrics) rotas for twelve months. In Chelmsford was heavily involved in the recent PVL/MRSA outbreak attending trust level major incident planning meetings, working with the medical and nursing management and external public health agencies, coordinating all the information and reporting my findings to the group.

Training and Development – Within plastic surgery I have given in house lectures in a large number of topics including Digital Replantation, hand trauma, nasal reconstruction, melanoma care, and many aspects of burn care. I have formalised my burns instruction interest by becoming a full instructor with the BBA Emergency Management of Severe Burns Cadre and have lectured on a number of courses, including the military module. In 2007 I ran a specific Burns Study day for TA personnel about to deploy on operations, giving them practical skills in acute burn management and evacuation considerations, and am working with the BBA to provide a military representative on the EMSB senate. I have lectured on the Burns and Trauma Course for local Accident and Emergency



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Staff and have been an invited speaker on the pre-hospital management of burns to the local BASICS group and have been invited to speak to the Paediatric surgery registrars on modern burn care. I have also lectured to paediatric intensive care registrars, operating theatre practitioner trainees and nursing staff as part of formal external training programmes, and run a number of informal (but well attended) sessions on burn care to medical and nursing staff. In Dec 03 I examined a basic surgical skills station at the end of stage exams for Medical Students. After being awarded the McGregor Medal for the FRCS (plast) exam in Sept 2006 I was invited to join the instructors team for the East Grinstead FRCS (plast) course in Nov 2007 and have provided a large number of informal teaching sessions for other FRCS (plast) candidates. I have also run a session on Extended Matching Questions for a Pan Thames training day. In the clinical setting I have provided informal teaching to junior medical staff and nursing staff and medical students including practical skills demonstrations, and assessments.

In May 08 I delivered an invited lecture to the South Thames Orthopaedic meeting, discussing how Orthopaedic and Plastic surgeons should work together, with special reference to the management of lower limb trauma.

I plan to formalise my training interest by attending the training the trainers course at the Royal College of Surgeons.

Information Technology Systems Development – I believe that information technology should be used to aid in patient management and data collection, I have designed many databases in Microsoft Access that are very easy to use, and have trained both medical and administrative staff to use them. A recent project was a database for infection control mapping, for an outbreak of PVL toxin producing MRSA.

Clinical Audit - I have taken part in regular audit meetings, and been involved in many audit projects such as Long Term Paediatric Burn Outcome, Burns weight assessment, Basal Cell Carcinoma management, Scald healing, See and Do Clinics and leg trauma. I have also been responsible for the review of cases for morbidity and mortality discussion. A major audit project was to collect data on all paediatric scalds since 1997 in Newcastle to allow comparison with the East Grinstead cohort, This has now been presented both Nationally and Internationally, and has added to the evidence needed for the ongoing clinical trial into paediatric scald healing. I have recently reviewed a transfer proforma that we designed in 1998, we have now produced a paediatric version and the documents have now being adjusted to become the template for the South East Burn Network. We have just completed an extensive review of the management of pretibial lacerations in the QVH catchment area and a nurse practitioner have now been appointed to try to improve the patient pathway.

Resource Management – In 2007 I single handedly arranged the Combined Services Plastic Surgery meeting. This involved inviting international and national speakers, contacting potential sponsors and delegates. Identifying and organising venue, accommodation, catering, regimental band etc, collecting the sponsorship monies (over £6,000) and paying the bills. Co-ordinating the programme, applying for CPD points, collating the abstracts and CVs and arranging the printing of the abstract books. The subsequent publication of abstracts in military journals is underway. This was a huge logistic task, which will be undertaken by a committee in the future!

Personnel Management –During my previous appointments to East Grinstead I was very involved with the level of staffing of the department. I was especially involved with the concerns about the quality of training for SHOs and have had regular meetings with the management to arrange locum cover and to try and improving long term staffing levels. I have now started to work closely with the Junior Staff at QVH to improve their access to research time and encourage their research and audit projects. As well as providing informal mentoring and exam coaching and advice.

MEMBERSHIPS OF SOCIETIES

ASSOCIATE MEMBER OF THE BRITISH ASSOCIATION OF PLASTIC SURGEONS
BRITISH MEDICAL ASSOCIATION



Tania C.S. Cubison

BRITISH BURN ASSOCIATION (also member of the Prevention Committee)
INTERNATIONAL SOCIETY FOR BURN INJURIES
MILITARY SURGICAL SOCIETY
TRAUMA CARE SOCIETY

OTHER INTERESTS

Family - My daughter Natasha Alexandra was born 1st April 98 and my son Christopher Ian Ronald on 27th June 2000. They are now both flexi-bording at Stoke Brunswick School and doing well, although Natasha struggles with her dyslexia. My husband tried 6 months as a househusband when the children were small, but re-commissioned into the army for a rest! He is now a Lt Col Medical Support Officer.

Information Technology - I am a director of HC Management Consultants Ltd, a business that supplies tailor made database solutions, especially within the medical field. I am generally computer literate in most aspects of Microsoft office including Word, Excel and PowerPoint although Access is my special interest, and I am happy using the Internet both professionally and to do the routine shopping.

Sport – Awarded Divisional Athletics Colours in 1995 after breaking the Army Medical Services record for Ladies High Jump. My current sporting activity is limited to riding a bicycle chasing after children. I have participated in charity fun runs and walks over the last few years.

Music - I was a member of a local choir in Northumberland and performed a small solo when we sang in the SAGE in Gateshead November 05, and with 2 other burns surgeons provided the entertainment for a local hotel's 'Burns Supper'! I also play guitar, flute and piano for fun. I was previously a member of Cranbrook Town Band playing the E flat Bass (tuba), having achieved Grade IV Trumpet, Grade V theory and Grade VI on Euphonium. I am delighted that both children are interested musicians and Christopher at age 8 is already starting his Grades on the Euphonium!

Driving - Holder of a Class II Heavy Goods Vehicle Licence since 1987, I have very much enjoyed the opportunities of the military to drive a variety of vehicles from land rovers, to enormous recovery vehicles and tanks. Although I achieved solo status in a powered glider, and have a number of hours front seat flying experience I have not recently been able to pursue this interest.

Most prized possessions - a 1971 Morris Minor Traveller (now a little bent) and a rather expensive two story Wendyhouse.

REFEREES

Plastic Surgery

Mr P Dziwulski FRCS (Plast)
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Mr Roger Smith FRCS
Consultant Plastic Surgeon and Director of Research and Development
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East Grinstead



Tania C.S. Cubison

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Mr P Gilbert FRCS (Ed) (Plast)
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Military Aspects of Plastic Surgery

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