

## CURRICULUM VITAE

Stephen M. Milner, MBBS, BDS, DSc (Hon), FRCS (Ed), FACS

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### DEMOGRAPHIC AND PERSONAL INFORMATION

#### Current Appointments

Professor of Plastic Surgery, Pediatrics and Dermatology  
Johns Hopkins University School of Medicine,  
Baltimore, MD

Director, Johns Hopkins Burn Center  
Surgical Director, Johns Hopkins Wound Center  
Director, Michael D Hendrix Burn Research Center

Adjunct Professor Uniformed Services University of the Health Sciences  
Formerly Honorary Civilian Consultant Advisor to the British Army in Plastic Surgery and Burns

Professor, Bloomberg School of Public Health

#### Personal Data

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### EDUCATION AND TRAINING

#### Graduate

1968-1973 Guy's Hospital Dental School, University of London, England.  
Dental Surgery, B.D.S.  
1973-1977 Guy's Hospital Medical School, University of London, England.  
Medicine/Surgery, M.B. B.S.

## **Postdoctoral**

### **Residency in General Surgery**

1977-1978 Guy's Hospital, London, England  
1978-1979 Queen Mary's Hospital, Roehampton, London, England  
1979-1980 Guy's Hospital, London, England  
1980-1981 Torbay Hospital, Devon, England  
1981-1982 Massachusetts General Hospital & Shriners Burns Institute, Boston  
1982-1984 The Royal London Hospital, England

### **Military experience**

*(1984-1994 Commissioned in the British Army as Surgeon, Royal Army Medical Corps)*

1984-1985 Captain  
1985-1991 Major  
1991-1994 Lieutenant Colonel

### **Operational Service**

1986-1987 Officer Commanding, Field Surgical Team, Belize  
1987 Surgeon, BMH, Berlin, Germany  
1990-1991 Surgeon, Burn Unit, 33 Field Hospital & 205 General Hospital, Saudi Arabia, Operation Desert Storm

1984-1992 *Served in the following military hospitals and units as general surgeon:*  
Royal Army Medical College, London  
Cambridge Military Hospital, Aldershot, England  
British Military Hospital Munster, Germany  
British Military Hospital Berlin, Germany  
Princess Alexandra RAF Hospital, Wroughton, England  
Queen Elizabeth Military Hospital, Woolwich, England  
Duchess of Kent Military Hospital, Catterick, England  
British Military Hospital Hong Kong  
The British Defense Staff (British Embassy), Washington DC

### **Research Fellowship**

1992-1994 Trauma Section, Medical Division, Chemical and Biological Defence Establishment, Porton Down, Salisbury, England

### **Residency in Plastic Surgery**

1994-1997 University of Texas Medical Branch, Galveston, TX  
(&Research Associate, Shriners Burns Institute)

## **PROFESSIONAL EXPERIENCE**

### **Academic Appointments**

1997-2001 Assistant Professor of Surgery, Southern Illinois University School of Medicine (SIU), Springfield, IL.  
2001-2004 Associate Professor of Surgery, SIU School of Medicine  
2004-2005 Professor of Surgery, SIU School of Medicine  
2005-present Professor of Plastic Surgery, Pediatrics and Dermatology, Johns Hopkins University School of Medicine

### **Visiting Professorships**

2002-present University of Texas Medical School at Houston,  
12-15 Jun 2007 University of Medicine and Dentistry of New Jersey, Newark, NJ  
20-21 Jun 2007 Virginia Commonwealth School of Medicine, Richmond VA. (Theogaraj Professor)  
11-16 Oct 2007 Military Medical Academy of St Petersburg, Russia  
11-16 Oct 2007 Leningrad Regional Burn Centre, Russia  
11-14 Feb 2009 Kenyatta National Hospital, Nairobi, Kenya  
4-5 Nov 2009 Harvard Medical School, Division of plastic Surgery, Boston MA  
26-29 Apr 2010 The Chaim Sheba Medical Center, Tel Hashomer, University of Tel Aviv, Israel  
8-12 Nov 2012 King Saud University, Riyadh, Saudi Arabia  
16 Oct 2014 R Adams Cowley Shock Trauma Center, University of Maryland, Baltimore, MD  
19-20 Aug 2015 Penn State Hershey medical College, Division of Plastic Surgery, Hershey, PA.

### **Hospital Appointments**

1997-2005 Director, Regional Burn Center, Memorial Medical Center, Springfield, IL  
1998-2005 Director of the Skin Tissue Culture Laboratory, Memorial Medical Center  
2004-2005 Vice Chairman of Plastic Surgery, Memorial Medical Center  
2004-2005 Attending Plastic Surgeon, St John's Hospital, Springfield, IL

### **Medical Licensure**

2005-present Maryland License # D0062727

### **Boards, other specialty certification**

1977 Membership of the Royal College of Surgeons of England,  
Licentiate of the Royal College of Physicians (M.R.C.S., L.R.C.P.)  
1978 General Medical Council of the United Kingdom  
1992 European Board in General Surgery (No. 2394819)  
1998 American Board of Plastic Surgery (No. 5654)  
1999 Fellowship of the American College of Surgeons (F.A.C.S.)

**RESEARCH ACTIVITIES****Peer-reviewed scientific articles**

1. Chapman P, **Milner SM**. Escaped faecolith after appendicectomy. *Br J Surg*. 1986; 73:1006.
2. Chivers RC, **Milner SM**. Ultrasonic B-scanning in dermatology. In: *Proceedings of the Ultrasonics International Conference*. London, UK: Butterworth Scientific Publishers; 1989:1208–1212.
3. **Milner SM**, Hawthorn IE. Double gallbladder diagnosed by T-tube cholangiogram. *J R Army Med Corps*. 1989;135:84-5.
4. **Milner SM**, Hawthorn IE, Morgans BT. Liposarcoma of the cord presenting at vasectomy counseling. *J R Army Med Corps*. 1989;135:86-7.
5. **Milner SM**, Pampapathi MR. Head injuries in a service community. *Medical Corps International*. 1990;6:22-4.
6. **Milner SM**, Blease SC. Does scrotal ultrasound reduce the need for orchidectomy in the clinically malignant testicle? *Br J Rad*. 1990;63:263-5.
7. Corner NB, **Milner SM**, MacDonald R, Jubb M. Isolated musculocutaneous nerve lesion after shoulder dislocation. *J R Army Med Corps*. 1990;136:107-8.
8. Ryan JM, Cooper GJ, Haywood IR, **Milner SM**. Field surgery on a future conventional battlefield: strategy and wound management. *Ann R Coll Surg Engl*. 1991;73:13-20.
9. Chambers DK, **Milner SM**, Bennett JDC and Stone J. Antichemical warfare tent used for operation in the Gulf. *Br Med J*. 1991;302:68.
10. Pailthorpe CA, **Milner SM**, Sims MM. Is patellectomy compatible with an army career? *J R Army Med Corps*. 1991;137:76-79.
11. Williams MD, Pearson MH and **Milner SM**. Complications in the use of compression plates in the treatment of mandibular fractures. *Oral Surg Oral Med Oral Pathol*. 1991;72:159-61.
12. **Milner SM**, Bennett JDC. Emergency cricothyrotomy. *J Laryngol Otol*. 1991;105:883-5.
13. **Milner SM**, Bennett JDC, Pilcher R. Respiratory obstruction as a complication of dental extractions. *Dental Corps International*. 1992;4:412-3.

14. **Milner SM**, Chambers DK, Bennett JDC. Surgery in collective protection against chemical warfare. *J R Coll Surg Edinb.* 1992;37:118-19.
15. **Milner SM**. Acetic acid to treat *Pseudomonas aeruginosa* in superficial wounds and burns. *Lancet.* 1992;340:61
16. Williams MD, **Milner SM**, Pearson MH, Ryan JM and MerrettTG. Management of service personnel with a history of penicillin allergy: discussion paper. *J R Soc Med.* 1993;86:156-8.
17. Sloss JM, Cumberland N, **Milner SM**. Acetic acid used for the elimination of *Pseudomonas aeruginosa* from burn and soft tissue wounds. *J R Army Med Corps.* 1993;139:49-51.
18. **Milner SM**, Rylah LT. War burns: a simplified resuscitation protocol. *Br J Hosp Med.* 1993;50:163-7.
19. **Milner SM**. Chemical injury to skin. *Chemical Defence Establishment. Porton Technical Paper.* No 774. 1993.
20. **Milner SM**, Hodgetts TJ, Rylah LT. The Burns Calculator: a simple proposed guide. *Lancet.* 1993;342:1089-91.
21. **Milner SM**. Quantitative determination of human skin thickness using ultrasound B-scanning imaging system. *Chemical Defence Establishment. Porton Technical Paper.* No 806. 1993.
22. Bennett JCD, **Milner SM**. Innovation: Burn management. *Hospital Update.* 995;21:140-1.
23. **Milner SM**, Rylah LT, Bennett JD. The Burn Wheel: a practical guide to fluid resuscitation. *Burns.* 1995;21:288-90.
24. Gherardini G, Evans GR, **Milner SM**, Gurlek A, Palmer B, Gazelius B, Lundeberg T. Comparison of vascular effects of calcitonin gene-related peptide and lidocaine on human veins. *J Reconstr Microsurg.* 1996;12:241-5.
25. Gherardini G, Evans GR, Theodorsson E, Gurlek A, **Milner SM**, Palmer B, Lundeberg T. Calcitonin gene-related peptide in experimental ischemia. Implication of an endogenous anti-ischemic effect. *Ann Plast Surg.* 1996;36:616-20.
26. **Milner SM**, Memar OM, Gherardini G, Bennett JDC, Phillips LG. The histological interpretation of high frequency cutaneous ultrasound imaging. *Dermatol Surg.* 1997;23:43-5.

27. Bennett JCD, **Milner SM**, Gherardini G, Phillips LG and Herndon DN. Burn inhalation injury. *Emergency Medicine*. 1997;12:32.
28. Roth AC, Leon MA, **Milner SM**, Herting RL, Hahn AW. A personal digital assistant for determination of fluid needs for burn patients. *Biomed Sci Instrum*. 1997;34:186-90.
29. **Milner SM**, Kinsky MP, Guha SC, Herndon DN, Phillips LG, Kramer GC. A comparison of two different 2400 mOsm solutions for resuscitation of major burns. *J Burn Care Rehabil*. 1997;18:109-15.
30. Bennett JCD, **Milner SM** and Gherardini G. Two British advances consequent to the Persian Gulf War 1990-1991. *Navy Medicine*. 1997;5:16-7.
31. Gherardini G, Gurlek A, Evans GR, **Milner SM**, Matarasso A, Wassler M, Jernbeck J, Lundeberg T. Venous ulcers: improved healing by iontophoretic administration of calcitonin gene-related peptide and vasoactive intestinal polypeptide. *Plast Reconstr Surg*. 1998;101:90-3.
32. Gherardini G, Gurlek A, **Milner SM**, Matarasso A and Evans GR, Jernbeck J, Lundeberg T. Calcitonin gene-related peptide improves skin flap survival and tissue inflammation. *Neuropeptides*. 1998;32:269-73.
33. **Milner SM**, Hegggers JP. The use of a modified Dakin's solution (sodium hypochlorite) in the treatment of *Vibrio vulnificus* infection. *Wilderness Environ Med*. 1999;10:10-2.
34. **Milner SM** et al. The clinical anatomy of several invasive procedures: cricothyrotomy section. *Clinical anatomy*. 1999;12:43-54.
35. **Milner SM**, Ortega MR. Reduced antimicrobial peptide expression in human burn wounds. *Burns*. 1999;25:411-3
36. Mowlavi A, Andrews K, Lille S, Verhulst S, Zook EG, **Milner SM**. The management of cubital tunnel syndrome: a meta-analysis of clinical studies. *Plast Reconstr Surg*. 2000;106:327-34.
37. Ortega MR, Ganz T, **Milner SM**. Human beta defensin is absent in burn blister fluid. *Burns*. 2000;26:724-6.
38. Fullerton JK, Smith CE, **Milner SM**. The "stegosaurus" dressing: a simple and effective method of securing skin grafts in the burn patient. *Ann Plast Surg*. 2000;45:462-4.
39. Kinsky MP, **Milner SM**, Button B, Dubick MA, Kramer GC. Resuscitation of severe thermal injury with hypertonic saline dextran: effects on peripheral and visceral edema in sheep. *J Trauma*. 2000;49:844-53.

40. Mowlavi A, Andrews K and **Milner SM**, Herndon DN, Heggers JP. The effects of hyperglycemia on skin graft survival in the burn patient. *Ann Plast Surg.* 2000;45:629-32.
41. Smith CE, **Milner SM**. The burn wheel: a guide to burn resuscitation. *Emerg Med Serv.* 2001;30:76-7.
42. **Milner SM**, Smith CE. Palm-top computer application for fluid resuscitation in burns. *Plast Reconstr Surg.* 2001;108:1838-9.
43. **Milner SM**, Mottar R, Smith CE. The Burn Wheel. *Am J Nur.* 2001;10:35-7. Gulati S,
44. Nicholson D and Milner SM. The Father Mulcahey effect: The role treatment of the chaplain in the treatment of the burned patient. *Dialogue* 2001; Fall-Winter.
45. Parungao AJ, **Milner S**. Photo quiz: A swollen, draining thumb. *American Family Physician.* 2002;65:105-6.
46. **Milner SM**. Predicting early burn wound outcome using orthogonal polarization spectral imaging. *Int J Dermatol.* 2002;41:715.
47. **Milner SM**, Gulati S. Use of fibrin glue in excision and grafting of facial burns. *J Burns Wounds* 2002;1:e18.
48. Rubis BA, Danikas D, Neumeister M, Williams WG, Suchy H, **Milner SM**. The use of split-thickness dermal grafts to resurface full thickness skin defects. *Burns.* 2002;28:752-9.
49. **Milner SM**, Gulati S. A nuclear weapon over Chicago. *Illinois Magazine.* 2003;1:38-40.
50. Danikas D, Fullerton JK, Smith CE, **Milner SM**. A new method for securing skin grafts in pediatric patients. *Plast Reconstr Surg.* 2003;111:489.
51. Lawyer CH, Lawyer MC, Bhat S, Gulati S, **Milner SM**. SARS virus S2 glycoprotein tryptophan-rich membrane anchor: Rapid responses for Eaton. *BMJ.* 2003;326:948.
52. Mowlavi A, Quin BM, Zook E, **Milner SM**. Ray amputation as a treatment for recurrent myxohyaline tumor of the distal extremity. *Plast Reconstr Surg.* 2003;111:1573-4.
54. Andrews K, Mowlavi A, **Milner SM**. The treatment of alkaline burns of the skin by neutralization. *Plast Reconstr Surg.* 2003;111:1918-21.
55. **Milner SM**, Cole A, Ortega MR, Bakir MH, Gulati S, Bhat S, Ganz T. Inducibility of HBD-2 in acute burns and chronic conditions of the lung. *Burns.* 2003;29:553-5.

56. Gulati S, De La Cruz R, **Milner SM**. The firework tragedy of Peru. *J Burns Wounds* 2003;2:e22.
57. Mowlavi A, Bass MJ, Khurshid KA, **Milner SM**, Zook EG. Psychological sequelae of failed scalp replantation. *Plast Reconstr Surg*. 2004;113:1573-9.
58. Guha SC, **Milner SM**, Chanda A. The anatomical basis of the modified volar advancement flap for fingertip reconstruction. The Royal College of Surgeons of Edinburgh Surgical knowledge and Skills website. 2004.
59. Bick RJ, Poindexter BJ, Bhat S, Gulati S, Buja M, **Milner SM**. Effects of cytokines and heat shock on defensin levels of cultured keratinocytes. *Burns*. 2004;30:329-33.
60. Gulati S, Joshi BB, **Milner SM**. The Use of JESS in post burn contractures of the hand and wrist: A twenty years experience. *J Burn Care Rehabil*. 2004;25:416-20.
61. **Milner SM**, Bhat S, Buja M, Gulati S, Poindexter BJ, Bick RJ. Expression of Human beta defensin 2 in thermal injury. *Burns*. 2004;30:649-54.
62. **Milner SM**, Bhat S, Gulati S, Bick RJ, Graham JS. Orthogonal polarization spectral imaging following thermal and sulfur mustard injury. *Proceedings of USAMRICD Bioscience review*. 2004;144:71-81.
63. Bhat S, Gulati S, Husain K, Brahmamdam AS, Campbell CM, **Milner SM**. The role of glutathione depletion and oxidative stress in Mustard toxicity: A review. *Proceedings of USAMRICD Bioscience review*. 2004; 204:1-10.
64. Havener G, Roth M, Arakare P, Mottar P, Barenfanger, Mace K, Gulati S, **Milner SM**, Khardori N. Effective investigation and control of an Aspergillois outbreak in a regional burn unit. *J Burns Wounds* 2004;3:e11.
65. **Milner SM**, Bhat S, Gulati S, Gherardini G, Smith E, Bick RJ. Observations on the microcirculation of the human burn wound using orthogonal polarization spectral imaging. *Burns* 2005;31:316-9.
66. Crain VA, Gulati S, Bhat S, **Milner SM**. Marjolin's ulcer in chronic hidradenitis suppurativa. *Am Fam Physician*. 2005;71:1652.
67. Graham JS, Chilcott RP, Rice P, **Milner SM**, Hurst CG, Maliner BI. Wound Healing of Cutaneous Sulfur Mustard Injuries: Strategies for the Development of Improved Therapies. *J Burns Wounds* 2005;4:e1.
68. Poindexter BJ, Bhat S, Buja ML, Bick RJ, **Milner SM**. Localization of antimicrobial peptides in normal and burned skin. *Burns*. 2006.32:402-7.



69. Thombs BD, Singh VA, **Milner SM**. Children Under 4 Years are at Greater Risk of Mortality Following Acute Burn Injury: Evidence from a National Sample of 12,902 Pediatric Admissions. *Shock* 2006;26:348-52.
70. Milner SM. Editorial: setting science free. *J Burns Wounds*. 2006;5:e6.
71. Gherardini G, Zaccheddu R, Milner SM, El-Shazyl, Liapkis. Breast augmentation with silicone implants: the role of surgical drainage – report on 502 consecutive cases. *Eur J Plas Surg* 2006. 29: 9-12.
72. Singh VA, Cooley M, Gerold K, Spence RJ, **Milner SM**. The Recliner Position: A new operating position for burn surgery. *Burns*. 2007;33:376-7.
73. Bhat S, Song Y, Lawyer C, **Milner SM**. Modulation of the complement system by human B- Defensin 2. *J Burns Wounds*. 2007;5:e10.
74. Thombs BD, Singh VA, Halonen J, Diallo A, **Milner SM**. The Effects of Pre-existing Medical Co-morbidities on Mortality and Length of Hospital Stay in Acute Burn Injury: Evidence from a National Sample of 33,543 Adult Patients. *Ann Surg* 2006;245:629-34.
75. Singh VA, Bhat S, **Milner SM**. The Pathogenesis of Burn Wound Conversion. *Ann Plast Surg*. 2007;59:109-15.
76. Price LA, Thombs B, Chen CL, **Milner SM**. Liver disease in burn injury: evidence from a national sample of 31,338 adult patients. *J Burns Wounds*. 2007;7:e1.
77. Bick RJ, Poindexter BJ, Buja LM, Lawyer CH, **Milner SM**, Bhat S. Nuclear Localization of HBD-1 in Human Keratinocytes. *J Burns Wounds*. 2007;7:e3.
78. Parihar A, Parihar M, **Milner SM**, Bhat S. Oxidative stress and anti-oxidative mobilization in burn injury. *Burns* 2008;34:6-17.
79. Bhat S. **Milner SM**. Antimicrobial peptides in burns and wounds. *Curr Protein Pept Sci*. 2007;8:506-20
80. Banks ND, **Milner SM**. Persistence of human skin allograft in a burn patient without exogenous immunosuppression. *Plast Reconstr Surg*. 2008;121:230e-1e.
81. Franz MG, Robson MC, Steed D, Barbul A, Brem H, Cooper DM, Leaper D, **Milner SM**, Payne WG, Wactel TL, Wiersema-Bryant L. Guidelines to aid healing of acute wounds by decreasing impediments of healing. *Wound Repair Regen*. 2008;16:723-48.
82. Pauldine R, Gibson BR, Gerold KB, **Milner SM**. Considerations in burn care. *Contemporary Critical Care*. 2008;6:1-12.

83. Gibson BR, Galiatsatos P, Rabiee A, Eaton L, Abu-Hamdah R, Christmas C, **Milner SM**, Andersen DK, Elahi D. Intensive insulin therapy confers a similar survival benefit in the burn intensive care unit to the surgical intensive care unit. *Surgery*.2009;146:922-30.2009.
84. Young L, Orosco R, **Milner S**. Double fire tragedy of Kenya. *ePlasty*. 2009;10:e3.
85. Poindexter BJ, Klein GL, **Milner SM**, Bick RJ. Upregulation of defensins in burn sheep small intestine. *ePlasty*;2009;10e6.
86. **Milner SM**. Management of Burns in a Modern Conflict - Mitchener Memorial Lecture. *J R Army Med Corps*.2010;155:226-230.
87. Zhang X, Wei X, Liu L, Marti GP, Ghanamah MS, Arshad L, Strom L, Spence R, Jeng J, **Milner SM**, Harmon JW, Semenza GL. Association of increasing burn severity in mice with delayed mobilization of circulating angiogenic cells. *Arch Surg*. 2010;145:259-66.
88. Feldman MJ, Curinga G, **Milner SM**. Clopidogrel and burns: platelet replacement therapy may not prevent postoperative bleeding. *Burns*.2010;36:1137-8.
89. Stojadinovic A, Elster E, Potter BK, ...**Milner SM** et al. Combat Wound Initiative Program. *Military Medicine*. 2010;175 (suppl):18-24.
90. Blome-eberwein S, Johnson M, Miller S, Jordan MH, **Milner SM**. Hydrofiber dressing with silver for the management of split-thickness donor sites: a randomized evaluation of two protocols of care. *Burns*. 2010;36:665-72.
91. Feldman MJ, Prosciak M, Maleki Z, **Milner SM**. Gas gangrene. *Journal of Surgical Radiology*. 2010;1:1(2)
92. Xing D, Liu L, Marti GP, Zhang X, Reinblatt M, **Milner SM**, Harmon JW. Hypoxia and hypoxia-inducible factor in the burn wound. *Wound Repair Regen*. 2011;19:205-13.
93. Curinga G, Jain A, Feldman M, Prosciak M, Phillips B, **Milner SM**. Red blood cell transfusion following burn injury. *Burns*.2011;37:741-51.
94. Kozar RA, Santora RJ, Poindexter BJ, **Milner SM**, Bick RJ. Alterations in content and localization of defensins in rat ileum and jejunum following ischemia-reperfusion. specific peptides, in places, for specific jobs? *ePlasty*;2011;11e8.
95. Andrikopoulou E, Zhang, Sebastian R, Marti G, Liu L, **Milner SM**, Harmon JW. Current insights into the role of HIF-1 in cutaneous wound healing. *Current Molecular Medicine*. 2011.
96. Feldman MJ, **Milner SM**, Dhanjani KM, Stjepanovic Z, Gerold K. Semi-open percutaneous tracheostomy in burn patients. *Burns*.2011;37:1072-8.

97. **Milner SM**, Cordova AC, Leffell M, Price LA. Cultured epithelial allograft for the management of cutaneous Graft-Versus-Host Disease following stem cell transplantation. *Transplantation*. 2011;92:e53
98. Asuku ME, **Milner SM**, Gerold KB. Beyond tears: the potential hazards of the o-chlorobenzylidene-malononitrile (cs) gas under scrutiny. *J Spec Oper Med*. 2011;11:28-30.
99. Price LA, Klaff J, Brown E, **Milner SM**. A shot in the face.*ePlasty* 2011;11:ic13
100. Klaff J, **Milner SM**, Farris S, Price LA. Chemical burns to the eye.*ePlasty* 2011;11:ic16
101. **Milner SM**, Greenough WB, Asuku ME, Feldman M, Makam R, Noppenberger D, Price LA, Prosciak M, vanLoon IN. From cholera to burns: a role for oral rehydration therapy. *J Health Popul Nutr*. 2011;29:648-652
102. Cartier RA, Tchanque-Fossuo C, Asuku ME, Price LA, **Milner SM**. Symmetrical Peripheral Gangrene. *ePlasty* 2012;12:ic10
103. Cordova AC, Loghishetty K, Fauerbach J, Price LA, Gibson BR, **Milner SM**. Noise levels in a Burn Intensive Care Unit. *Burns*. 2012.
104. Larocca CA, Cordova AC, Price LA, **Milner SM**. Squamous Cell Carcinoma as a Complication of Epidermolysis Bullosa. *The American Surgeon*. 2012;78:418-9
105. Price LA, **Milner SM**. The Totality of Burn care. *Trauma*. 2012;15:16-28.
106. Nunn R, Chang N, **Milner SM**, Price LA. Pigmented urine. *Eplasty*. 2013;13:ic16.
107. Condé-Green A, Price LA, **Milner SM**. Low-voltage electrical burn of the first web space of the hand. *Eplasty*. 2013;13:ic35.
108. Chang N, Nunn R, **Milner SM**, Price LA. Urban blisters. *Eplasty*. 2013;13:ic37.
109. Shah NM, Klaff J, Milner SM, Price LA, Gerold KB. Topics in burn critical care-chest pain. *Eplasty*. 2013;13:ic38.
110. Du J, Liu L, Lay F, Wang Q, Dou C, Zhang X, Hosseini SM, Simon A, Rees DJ, Ahmed AK, Sebastian R, Sarkar K, **Milner S**, Marti GP, Semenza GL, Harmon JW. Combination HIF-1 $\alpha$  Gene Transfection and HIF-1 Activated Bone Marrow-Derived Angiogenic Cell (BMDAC) Infusion Improves Burn Wound Healing in Aged Mice. *Gene Ther*. 2013;20:1070-6.
111. Chen S, Mattei P, Fischer M, Gay JD, **Milner SM**, Price LA. Linear IgA bullous dermatosis. *Eplasty*. 2013;13:ic49.

112. Keane P, Price LA, Lam JS, Price LA, **Milner SM**. Tracheostomy complication in a burn patient. *Eplasty*. 2014;14:ic1.
113. Resch TR, Main S, Price LA, **Milner SM**. A fungal burn infection. *Eplasty*. 2014; 21;14:ic5.
114. **Milner SM**. Irradiated burn. *Burns*. 2014;40:359-60.
115. Khalifian S, Zuhair I, Lilo MT, **Milner SM**. Toxic epidermal necrolysis. *Eplasty*. 2014;14:ic6.
116. Goldberg H, Klaff J, Spjut A, **Milner S**. A Mobile Application for Measuring the Surface Area of a Burn in Three-Dimensions: Comparison to the Lund and Browder. *J Burn Care Res*. 2014;35:480-3.
117. Resch TR, Price LA, **Milner SM**. Pulmonary injury secondary to feeding tube misplacement. *Eplasty*. 2014;14:ic24.
118. Abraham C, Price LA, **Milner SM**. Painful finger. *Eplasty*. 2014;14:ic32.
119. Lam J, Abraham C, Resch T, **Milner SM**, Price LA. *Eplasty*. 2014;14:ic36.
120. Sebastian R, Ghanem O, Diroma F, **Milner SM**, Gerold KB, Price LA. Percutaneous pigtail catheter in the treatment of pneumothorax in major burns: The best alternative? Case report and review of literature. *Burns*. 2014 (in press)
121. Sebastian R, Fillmore P, Price LA, Sidhaye V, **Milner SM**. Epidermal aquaporin-3 is increased in the cutaneous burn wound. *Burns*. 2014;41:843-7.
122. Ng N, Abdullah A, **Milner SM**. A phosphorous burn. *Eplasty*. 2015;15:ic13
123. Ng N, Abdullah A, **Milner SM**. Cement burn. *Eplasty*. 2015;15:ic15.
124. Mains TE, Cofrancesco J Jr, **Milner SM**, Shah NG, Goldberg H. Do questions help? The impact of audience response systems on medical student learning: a randomized controlled trial. *Postgrad Med J*. 2015;91:361-7
125. Caffrey JA, Wright EJ, **Milner SM**. An extreme case of Fordyce Angiokeratoma. *Urology*. 2015;85:e47-8.
126. **Milner SM**, Fauerbach J, Hahn A et al. Cody. *Eplasty*. 2015;15:e35.
127. Sebastian R, Fillmore P, Price LA, Sidhaye V, **Milner SM**. Response to letter to the Editor: Modulation of AQP-3 in burn wound: Comment on "Epidermal aquaporin-3 is increased in the cutaneous burn wound." *Burns* 2015;41:1611-2.

128. Peluso H, Caffrey J, **Milner SM**. 4G/4G PAI-1 gene variant in a patient with non-healing ulcers. *J epidem res.* 2016;2:91-4.
129. Condé-Green A, Marano AA, Lee ES, Reisler T, Price LA, **Milner SM**, Granick MS. Fat grafting and adipose-derived regenerative cells in burn wound healing and scarring” a systematic review of the literature. *Plast Reconstr Surg.* 2016;137:302-12.

### **Book Chapters/Books**

1. **Milner SM**, Rylah LTA, Nguyun TT, Redelmeier RJ, Pierre EJ, Herndon DN. Chemical injury. In: Herndon DN (ed). *Total Burn Care*. Philadelphia: WB Saunders. 1995: 415-25.
2. **Milner SM**, Nguyun TT, Herndon DN, Rylah LTA. Radiation injury and mass casualties. In: Herndon DN (ed). *Total Burn Care*. Philadelphia: WB Saunders. 1995:425-32.
3. Nguyun TT, **Milner SM** and Herndon DN. Radiation injuries. In: Feliciano, Moore, Mattox (eds). *Trauma*. Stamford: Appleton & Lange, 3<sup>rd</sup> edition. 1996:963-73.
4. **Milner SM**, Herndon DN. Radiation injury, vesicant burns and mass casualties. In: Herndon DN (ed). *Total Burn Care*. Philadelphia: WB Saunders, 2<sup>nd</sup> edition. 2001:481-92.
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107. Liu L, Du J, Lay F, Rees DJ, Dou C, Hosseini S, Sebastian R, **Milner SM**, Marti, GP, Harmon JW. Homing of HIF-1 activated bone marrow-derived angiogenic cells (BMDAC) promotes angiogenesis and burn wound healing in aged mice. Proc Amer Burn Assoc. 45th Annual Meeting. Palm Springs, CA. *J Burn Care Res.* 2013;34 (2 Suppl):S63, April 2013.
108. Price LA, Conde-Green A, Wu I, Elisseff J, **Milner SM**. Cell Enriched Lipotransfer Versus Conventional Fat Grafting: A pilot study in preparation for use in burn wound healing. Proc Amer Burn Assoc. 45th Annual Meeting. Palm Springs, CA. *J Burn Care Res.* 2013;34 (2 Suppl):S93, April 2013.
109. Fillmore PR, Price LA, **Milner SM**. Defining clinically significant uti in a burn patient: trying to hit a moving target. Proc Amer Burn Assoc. 45th Annual Meeting. Palm Springs, CA. *J Burn Care Res.* 2013;34 (2 Suppl):S162, April 2013.
110. Lam JS, **Milner SM**, Fogel J, Lawrence JW, Fauerbach JA. Investigating burn survivors' thoughts: body image versus traumatic memories. 46th Annual Meeting. Boston, MA. *J Burn Care Res.* 2014;35 (2 Suppl):S73, May 2014.
111. **Milner SM**, Sebastian R, Price LA, Fillmore PR. AQP3 is upregulated in human burn wounds. 46th Annual Meeting. Boston, MA. *J Burn Care Res.* 2014;35 (2 Suppl):S103, May 2014.
112. Fillmore PR, Zenilman J, Riedel S, Khouri-Stevens Z, Price LA, **Milner SM**, Sood G. The perfect storm: mold outbreak at a regional burn center following Hurricane Sandy. 46th Annual Meeting. Boston, MA. *J Burn Care Res.* 2014;35 (2 Suppl):S146, May 2014.
113. Resch T, Palazzi D, **Milner SM**. Use of a non-adherent moisture management antimicrobial dressing with negative pressure wound therapy in the treatment of burns: a case series. 46th Annual Meeting. Boston, MA. *J Burn Care Res.* 2014;35 (2 Suppl):S191, May 2014.



114. Mason ST, Fauerbach JA, Wang S, **Milner SM**, Lawrence JW. Longitudinal modeling of 24-month global mental health. 46th Annual Meeting. Boston, MA. *J Burn Care Res.* 2014;35 (2 Suppl):S197, May 2014.
115. Krout K, Huber KL, Orosco R, Flores C, **Milner SM**. How can we go? Decreasing Central line associated blood stream infections. Proc Amer Burn Assoc. 47th Annual Meeting. Chicago, IL. *J Burn Care Res.* 2015;36 (2 Suppl):S121, April 2015.
116. Lynch TA, Ware LC, Lough D, Gerold K, Milner SM. Formosa fun coast color play disaster, Taipei, Taiwan: experiences of a burn disaster relief group. *J Burn Care Res.* 2016;36 (3 Suppl):S12, May 2016.
- 117.

### **Inventions**

- 1990 The Burn Wheel: A mechanical device for rapid calculation of fluid resuscitation in burns.
- 2001 e-Wheel 2.0: The Burn Wheel has been refined as a computer program which runs on a hand held device which automates the calculation of percent surface area burned and fluid requirements.
- 2003 e-Wheel 3.0: Improved version of the Palm Top Computer Application with more accurate measurement of body surface area.
- 2011 Burnmed: amobile application for Ipad™ and Iphone™ provides a 3-D model to calculate body surface area and treatment for the first 8 hours of a burn injury.

### **Research Grants**

1. *Title:* Combat Wound Initiative, *Dates:* 2008-2013, *Sponsoring agency:* Jackson Foundation, Department of Defense  
*Principal Investigator:* Stephen Milner, *Funding level:* \$2,200,000
2. *Title:* Hypoxia Inducible Factor (HIF-1) regulated progenitor cell recruitment in burn wound healing, *Dates:* 2006-2011, *Sponsoring agency:* NIH P20  
*Co-principal Investigators:* Gregg L Semenza /John W Harmon. *Funding level:* \$6,000,000
3. *Title:* Prospective Evaluation of the Effects of Topical Therapy with Sulfamylon for 5% Topical Solution on Autograft Healing in Subjects with Thermal Injuries Requiring Meshed Autografts: A Comparison to a Historical Control Group, *Dates:* 2006-2012, *Sponsoring agency:* Mylan-Kendle  
*Principal Investigator:* Stephen Milner, *Funding level:* \$100,000

4. *Title:* Johns Hopkins University Burn Injury Model System (H133A0070045), *Dates:* 2007-2012, *Sponsoring agency:* U.S. Department of Education, Office of Special Education and Rehabilitation Services, National Institute on Disability and Rehabilitation Research. Randomized controlled trial of an early CBT intervention to prevent chronic psychopathology. Prospective, longitudinal cohort study of patients with major burns: outcomes at 2-, 5- and 10- years postburn. Randomized, controlled trial of an augmented exercise program to prevent or reduce generalized deconditioning. Using latent growth curve analysis to test etiologic models of body image dissatisfaction and social adjustment.  
*Principal Investigator:* James Fauerbach; *Funding level:* \$1,812,500
5. *Title:* Production of highly active human blood plasma butyrylcholinesterase preparation by gene engineering methods to create protective means against poisoning by organophosphorous cholinesterase inhibitors, *Dates:* 2004-2007, *Sponsoring agency:* International Science & Technology Center (ISTC) Project Proposal No. 2734  
*Principal Investigator:* Anikienko K Aleksandrovitch, *Funding level:* \$816,314
6. *Title:* A multicenter, randomized, open-label comparison of the safety and efficacy of Tigecycline with that of ampicillin-sulbactam or amoxicillin-clavulanate to treat complicated skin and skin structure infections, *Dates:* 2006-2008, *Sponsoring agency:* Wyeth (Protocol TyGer-900)  
*Principal Investigator:* Stephen Milner, *Funding level:* \$110,000
7. *Title:* A phase IIIb, randomized, comparative evaluation of two Aquacel Ag protocols of care for the management of donor sites. *Dates:* 2006-2008, *Sponsoring agency:* Convatec (Protocol No. CW-0142-05-A080), *Principal Investigator:* Stephen Milner, *Funding level:* \$100,000
8. *Title:* A phase 2 study of recombinant human thrombin (rh Thrombin), administered using a spray applicator in subjects undergoing autologous skin grafting following burn or traumatic skin injury, *Dates:* 2006-2007, *Sponsoring agency:* ZymoGenetics (Protocol No. 499E02), *Principal Investigator:* Stephen Milner, *Funding level:* \$65,000
9. *Title:* Topical application of cationic steroid agents on burn wounds, *Dates:* 2006-2007, *Sponsoring agency:* Ceragenix Pharmaceuticals, *Principal Investigator:* Stephen Milner, *Funding level:* \$40,000
10. *Title:* A study to assess the safety and efficacy of fibrin sealant with 4iu/ml thrombin to adhere tissues and improve wound healing. Multi-center clinical trial, *Dates:* 2004-2006, *Sponsoring agency:* Baxter Health Care Corporation. Protocol No. 550201 (SIU-24689-04), *Principal Investigator:* Stephen Milner, *Funding level:* \$80,000
11. *Title:* Role of lipoic acid and antioxidant systems in the healing of mustard induced wounds in a rat model, *Dates:* 2003-2005, *Sponsoring agency:* US Army Medical Research Institute of Chemical Defense Grant (Contract No. TCN 03-093/DAAD 19-02-D-0001)

*Principal Investigator: Stephen Milner, Funding level: \$40,500*

12. *Title: Regional Teleburn Network: An interactive telecommunications network for burn care across Illinois, Dates: 2000-2001, Sponsoring agency: State of Illinois' SIU Rural Health Initiative  
Principal Investigator: Stephen Milner, Funding level: \$219,780*
13. *Title: The regulation of beta defensin in the cultured human keratinocyte, Dates: 2000-2004, Sponsoring agency: Memorial Medical Center Foundation, Southern Illinois University (SIU 6-25997-00) Principal Investigator: Stephen Milner, Funding level: \$30,000*
14. *Title: Clinical evaluation of Regranex for the treatment of full thickness diabetic neuropathic foot ulcers, Dates: 1999-2001, Sponsoring agency: Ortho-McNeil Pharmaceuticals (SIU 6-25170-00), Principal Investigator: Stephen Milner, Funding level: \$75,000*
15. *Title: The role of human defensins in the pathogenesis and treatment of burn wound infection, Dates: 1997-1998, Sponsoring agency: Dow Hickam Pharmaceuticals' Wound Healing Fellowship Grant (SIU 6-21520-98)  
Principal Investigator: Stephen Milner, Funding level: \$80,000*

## **EDUCATIONAL ACTIVITIES**

### **Teaching**

1989	Tutor for Royal College of Surgeons of England FRCS course
1984 -1994	Lectures to Territorial (Reserve) and Regular Army Medical Units
1997- 2005	Burn Fellowship Program Director, SIU School of Medicine
1998, 1999, 2003 & 2004	Excellence in Teaching Award, Department of Surgery, SIU School of Medicine
1999-2000	Clerkship Director Department of Surgery SIU School of Medicine
2001-2002	SIU School of Medicine Graduate Education Committee
2001-present	Plastic Surgery Education Foundation In-service Examination Committee
2003-2007	Created the educational section of the Journal of Burns and Wounds
2008-present	Created the educational section of ePlasty. <a href="http://eplasty.com">http://eplasty.com</a>
2005-2006	Established model for e-learning with The Egyptian National Scientific and Technical Information Network, Cairo Egypt.
2005-2011	Burn Fellowship Program Director, Johns Hopkins University School of Medicine
2006-present	Established the John's Hopkins Military Burn Course
2010	Guest examiner of the American Board of Plastic Surgery

### **Advisees**

<b>DATE</b>	<b>FELLOW</b>	<b>CURRENT POSITION</b>
2002	Salil Gulati MD	Burn Director South Alabama University, AL
2005-2006	Vijay Singh MD	Cardiothoracic surgeon Staten Island NY
2006-2007	Leigh Ann Price MD	Attending burn and plastic surgeon Johns Hopkins, MD
2008-2009	William Abouhassan MD	Attending burn and plastic surgeon Cleveland, OH
2009-2010	Michael Feldman MD	Burn Director VCU, Richmond, VI
	Mark Prosciak MD	General Surgeon, New Foundland, Canada
2010-2011	Alfredo Cordova MD	Surgeon, Rhode Island
	Malachy Asuku	Professor of plastic Surgery, Lagos University, Nigeria
2011-2012	Anuradha Kar MD	Fellow in trauma and critical care, Yale University, CT
2012-2013	Parker Fillmore MD	Attending Trauma surgeon, Scottsdale, AZ
2013 -present	Alexandra Conde-Green MD	Plastic Surgery resident Rutgers University NJ
2013-present	Won-Bae Chang	Cardiac surgery Seoul, Korea
2013	Raul Sebastian	General Surgery resident University of Maryland
2013-2014	Thomas Resch MD	Fellow in critical care, University of Maryland, Shock Trauma Center
2014-present	Jamil Matthews MD	Resident in vascular surgery, Seattle, WA
2014-present	Jonathan Lam MD	Resident in plastic surgery, New Orleans, LA

## **ORGANIZATIONAL ACTIVITIES**

### **Institutional Administrative Appointments**

#### **Hospital Committees**

*Memorial Medical Center Springfield, IL*

1998-2005 Intensive Care Committee, Memorial Medical Center  
1998-2005 Quality Monitoring Committee, Memorial Medical Center  
2002-2005 Executive Committee/Department Chairmen/Medical Directors, Memorial Medical Center

*Johns Hopkins*

2005-present Johns Hopkins Bayview Medical Center Medical Board  
2005-present Operating Room Committee  
2005-present Metropolitan Fire Fighters Board  
2005-present Joint Practice Committee  
2005-present Community Fund Board  
2005-2008 Johns Hopkins Bayview Medical Center Ethics Committee

2005-present Member Board of Directors Johns Hopkins Burn Center Fund  
2009-present Chairman Johns Hopkins Burn Center Executive Grant  
Committee

## **University Committees**

### *SIU*

1999-2005 Clinical Competency Examination Committee  
1999-2000 Committee on Clerkships and Electives  
2001-2002 School of Medicine Graduate Education Committee  
2001-2003 Faculty Senate  
2002-2005 Executive Committee  
2002-2003 Faculty Council (President-elect)  
2003 Search Committee for Associate Dean for Curriculum SIU  
School of Medicine  
2002-2003 Faculty Council (President)  
2004-2005 Faculty Council (Past President)  
2004-2005 Graduate Medical Education Committee  
2004-2005 Tenure and Promotion Committee  
2004-2005 Library Advisory Committee

### *Johns Hopkins*

2006 Web Strategy Advisory Board  
2009 Division Chief, Plastic Surgery Search Committee

## **Editorial Activities**

### Editorial Board Appointments

Founding Editor, Journal of Burns and Wounds  
Founding Editor-in-Chief, ePlasty (open access journal of plastic surgery) <http://eplasty.com>  
Editor, Journal of Surgical Radiology  
Surgery Journal Editors Group  
Editorial advisor, Archives of International Surgery

### **Journal Peer Review Activities**

Plastic and Reconstructive Surgery, Wound Repair and Regeneration, Pharmacological Research, Molecular and Cellular Biochemistry, Archives of Surgery, Life Science, Journal of Surgical Research, Journal of Burn Care and Research, Public Library of Science (Medicine), Annals of Plastic Surgery, Infection and Immunity, Journal of the American College of Surgeons, Journal of Biomedicine and Biotechnology, Critical

Care Medicine, American Journal of Nephrology, Molecular Medicine, Annals of Surgery, ICU Director.

### **Grant Review Committees**

1999-2000	Central Research Committee SIU School of Medicine
2000-2005	Department of Surgery Research Committee SIU School of Medicine
2003-present	US Army Medical Research Institute of Chemical Defense Scientific Steering Committee ( <i>Wound Healing Section</i> )
2004-present	Israeli Science Foundation
April, 2006	Blue Ribbon Panel, Medical Chemical Countermeasures. Washington DC.
August 2006	NIH NINDS Reviewer for Special Emphasis Panel (Countermeasures against Chemical Threats)
August 2007	Dutch Burn Foundation
Nov 2008	Triennial research site visit to Shriners Hospital for Children, Boston
May 2011	Reviewer for the International Science and Technology Center and Science and Technology Center in Ukraine
April 2012	NIH study section reviewer for P50 grant

### **Professional Societies**

American Burn Association, American Medical Association, Special Operations Medical Association, Blocker Lewis Plastic Surgery Society, Association for Surgical Education, American Society of Plastic Surgeons, The International Society for Burn Injuries, American Association for Hand Surgery, Wound Healing Society, Plastic Surgery Research Council, American Association for the Advancement of Science, American College of Surgeons, Association of Academic Chairmen of Plastic Surgery, American Diabetes Association, American Association of Plastic Surgeons, Baltimore Academy of Surgery, Southern Surgical Association, Society of Critical Care Medicine, John Staige Davis Society of Plastic Surgeons, European Club for Paediatric Burns

### **Conference Organizer**

Third Annual Wound Care Symposium, SIU School of Medicine/Memorial Medical Center. Springfield, Illinois. April 2, 1998  
Fifth Annual Wound Care Symposium, SIU School of Medicine/ Memorial Medical Center. Springfield, Illinois. March 31, 2000  
Sixth Annual Wound Care Symposium, SIU School of Medicine/Memorial Medical Center. Springfield, Illinois. March 27, 2001  
Workshop in Fluid Resuscitation in Burns. SIU School of Medicine/Memorial Medical Center. Springfield, Illinois. May 9, 2002  
Eighth Annual Wound Care Symposium, SIU School of Medicine/Memorial Medical Center. Springfield, Illinois, March 27, 2003

Ninth Annual Wound Care Symposium, SIU School of Medicine/Memorial Medical Center. Springfield, Illinois. April 29, 2004  
World Burn Congress Committee. Baltimore, MD. August 22-24, 2005  
Fluid Resuscitation Symposium. Johns Hopkins. Baltimore MD. March 6, 2006

### **Consultancies, Advisory Committees**

1990-1994 Ultrasonic Sciences Limited, Hampshire, England  
2002-2005 State of Illinois Department of Professional Regulation  
2000-2003 American Burn Association: Organization and Delivery of Care Committee  
2003-present The Egyptian National Scientific & Technical Information Network and the Educational Hospitals and Institutes Cairo, Egypt  
2003-2005 Millennium Research Laboratories, Inc. Woburn, MA  
2004-2005 Kinetic Concepts Inc (KCI) Scientific Advisory Board, San Antonio, TX  
2006-2007 Lynntech, Inc. TX. Phase 1 SBIR. Development of novel multifunctional dressing for treatment of vesicant wounds  
Sept 2005 Wound Healing Focus Group: US Clinical and Scientific Round Table meeting. Vienna, Austria  
2007-present Honorary Civilian Consultant Advisor to the British Army in Plastic Surgery and Burn  
2009-present Consultant to the James R Jordan Foundation for Kenyan projects

### **Humanitarian Aid**

2004-Present Founding Member, Board of Directors of the African Medical Foundation  
Jan 14-21, 2002 Lima Fireworks Disaster (*Request by the Government of Peru*)  
2006-Present Member, Board of Directors of the International Children's Surgical Foundation  
Feb 11-14, 2009 Fuel tanker fire in Nakuru and the Nakumatt Supermarket Fire in Nairobi tragedies (*Request by the Government of Kenya and the Michael Jordan Foundation*)  
July 17-25, 2015 Formosa Fun Coast theme park fire in Taipei, Taiwan.

### **HONOURS AND AWARDS**

1969 Guy's Hospital Combined Medical and Dental Scholarship  
1971 General Subjects Award in Medicine, Surgery, Pathology and Bacteriology)  
1972 Newland-Pedley Traveling Scholarship to Finland  
1972 David Frank Sturdee Award in Dental Surgery  
1975 Traveling Scholarship to Harvard Medical School

1991	Smith & Nephew Foundation Research Bursary: Shriners Burns Institute, Boston, MA. & US Army Institute of Surgical Research, Fort Sam Houston, TX.
1997	American Burn Association Traveling Fellowship Award
1998, 1999, 2003 &2004	Excellence in Teaching Award, Department of Surgery, SIU School of Medicine
2001	Plastic Surgery Education Foundation Investigator Award: First Prize
2002	Department of Surgery, SIU, Faculty Research Award: First Prize
2007	Mitchiner Memorial Lecturer, Royal Military Academy, Sandhurst, Camberly, England
2010	Honorary Doctor of Science, University of Glamorgan
2012	Induction into the Miller-Caulson Academy of Excellence
2012	Humanitarian Award by the James R Jordan Foundation
2013	Sushruta-Guha Lectureship in Plastic Surgery and Wound Healing: The Royal College of Surgeons of Edinburgh
2015	Hero Award recipient Shock Trauma Gala
2015	President's Award, Baltimore City Medical Society

### **Named Lectureships**

1. Sushruta-Guha Lecture. The 90% burn: lessons learned. Winter Scientific Meeting hosted by BAPRAS and IAPS. Dublin, Ireland. November 29, 2013
2. David C. Sabiston Jr. Distinguished Surgical Lecture Burns: observations on military and civilian disasters. Department of Surgery. Uniformed Services University of the Health Sciences. Bethesda MD. May 9, 2013.
3. Andrew M. Munster, M.D. Lectureship on Burn and Wound Healing. A quarter of a century of burns: a critical review. Johns Hopkins, Baltimore MD. November 18, 2010  
The Mitchiner Memorial Lecture. Management of Burns in a modern conflict. Royal Military Academy Sandhurst. Camberly. England. October 10, 2007
4. S Dawson Theogaraj Memorial Lecture. Advances in burn care since Evans and Hinds. Virginia Commonwealth University, Richmond, VA. June 21, 2007.
5. 15<sup>th</sup> Annual David D Miller Lecture. Burns: initial care for optimal outcomes. MD Memorial Symposium. Springfield, MO. November 5, 2004

### **Other Invited Talks**

1. Management of mass chemical and burn casualties. Foxtrot Support Company, United States Navy. Saudi Arabia. November 15, 1990.
2. Wounds in a theatre of war. 13 Squadron Royal Dragoon Guards. Saudi Arabia. November 27, 1990.



3. The Burn Calculator. Health Matters; BBC World Service. London, England. December 20, 1993.
4. Resuscitation of the burn patient. Anaesthetic Society, St. Bartholomew's Hospital. London, England. February 23, 1994.
5. Recent advances in assessment and management of Burns. The Royal Society of Medicine, United Services Section. London, England. January 20, 1995.
6. The clinical record: burn resuscitation with hypertonic saline. Department of Surgery, University of Texas Health Science Center. Dallas, TX. July 30, 1996.
7. The Management of Scars. Workers' Compensation Claims Association. Bloomington, IL. September 30, 1997.
8. Burn patients: The Gulf War. Chicago Medical Society, Midwest Clinical Conference. Chicago, IL. February 2, 1998.
9. Wound healing: Practical Aspects. Third Annual Wound Care Symposium SIU School of Medicine/Memorial Medical Center. Springfield, IL. April 2, 1998.
10. Burn resuscitation in the Gulf War. Department of Surgery Grand Rounds. SIU School of Medicine. Springfield, IL. April 25, 1998.
11. Fluid resuscitation in burns. Emergency Medical Services Conference. Memorial Medical Center. Springfield, IL. October 12, 1998.
12. Field management of the burned casualty. Special Operations Medical Association. Tampa, FL. December 8, 1998.
13. Defensins: what they are, and what is their role? An Overview. Bertek Pharmaceutical Advisory Panel Meeting. Houston, TX. February 20, 1999.
14. The management of burns in a modern European battlefield. Department of Surgery Grand Rounds. SIU School of Medicine. Springfield, IL. June 10, 1999.
15. The Role of the Shriners movement in the development of burn care. Ansar Shriners Temple. Springfield, IL. September 29, 1999.
16. Burns as wounds. Fifth Annual Wound Care Symposium SIU School of Medicine/Memorial Medical Center. Springfield, IL. March 31, 2000.
17. Initial management and transfer of the seriously ill burned patient. 1<sup>st</sup> Annual Southern Illinois Trauma Conference/ Illinois Chapter, American College of Surgeons Meeting. Springfield, IL. June 3, 2000.

18. From the desert to the emergency room: A simple safe method for early post burn fluid resuscitation. International Symposium and Course on Burns and Fire Disaster Management. Jerusalem, Israel. February 14, 2000.
19. Melanoma reconstruction. Department of Surgery Grand Rounds. SIU School of Medicine. Springfield, IL. November 30, 2000.
20. Role of antioxidant systems in the healing of sulfur mustard systems. US Army Medical Research Institute of Chemical Defense. Aberdeen Proving Ground, MD. September 14, 2001.
21. Telemedicine. Southern Illinois Teleburn Network inaugural ceremonies. Springfield, IL. November 8, 2001.
22. Press conference re: creation of teleburn network – WICS, WAND, WCIA, SJR, WUIS, Capitol Radio Group, WFMB, WMAY, Carbondale Radio show and WTAX. November 1, 2001.
23. The effects of diabetes on wound healing. Sixth Annual Wound Care Symposium SIU School of Medicine/Memorial Medical Center. Springfield, IL. March 27, 2001.
24. The treatment of severely burned patients. Radio Health Journal representing 350 radio stations nationwide. IL. November 2, 2001.
25. Current treatment of acute burns. Department of Surgery Grand Rounds SIU School of Medicine. Springfield, IL. March 7, 2002.
26. Pre-hospital management of the burn patient. S.A.M.I.C. EMS. Prairie Heart Institute, St John's Hospital. Springfield, IL. May 11, 2002
27. Abdominoplasty. WICS Channel 20 News, NBC Affiliate in Springfield, IL. May 8, 2002.
28. The use of fibrin sealant in skin grafting. Hemacure Corporation National Sales Meeting. Miami, FL. November 13, 2002.
29. Evaluation and general management of pressure ulcers. Eighth Annual Wound Care Symposium, SIU School of Medicine/Memorial Medical Center. Springfield, IL. March 27, 2003.
30. Something is cooking in your neighborhood. Department of Medicine Grand Rounds SIU School of Medicine. Springfield, IL. April 29, 2003.
31. Latest development in burn management. Mini Med School, SIU School of Medicine. Springfield, IL. Feb 24, 2004.

32. The future of medical publishing. Surgery Faculty SIU School of Medicine. Springfield, IL. March 10, 2004.
33. Rounds with the professors - computer applications. American Burn Association 36<sup>th</sup> Annual Meeting. Vancouver, Canada. March 24, 2004.
34. Diabetes and wound healing. Ninth Annual Wound Care Symposium, SIU School of Medicine/Memorial Medical Center. Springfield, IL. April 29, 2004.
35. Revolution in scientific publishing. Telecom Africa, sponsored by the United Nations. Video Conference to Academy of Scientific Research and Technology. Cairo Egypt. May 7, 2004.
36. Observations on the microcirculation of the human burn using orthogonal polarization spectral imaging. US Army Medical Defense Review Bioscience. Baltimore, MD. May 16, 2004.
37. Emergency care of the burned patient. Associated Fire Fighters of Illinois. Decatur, IL. June 16, 2004.
38. Burns: initial care for optimal outcomes. 15<sup>th</sup> Annual David D Miller, MD Memorial Symposium. Springfield, MO. November 5, 2004.
39. Advances in burn management. Wound Healing: Science and Industry. St Thomas, US Virgin Islands. December 10, 2004.
40. The challenge of burns SIU 1997-2005. Department of Surgery Grand Rounds. SIU School of Medicine. Springfield, IL. January 27, 2005.
41. Comprehensive management of facial burns. The plastic surgery role. American Burn Association 37<sup>th</sup> Annual Meeting. Chicago, IL. May 2005.
42. Cutaneous sulfur mustard injuries. American Burn Association 37<sup>th</sup> Annual Meeting. Chicago, IL. May 2005.
43. Innovations in burn care. Department of Surgery Grand Rounds. St Agnes Hospital. Baltimore, MD. Oct 19, 2005.
44. The role of plastic surgery in the management of cutaneous ulcers. Maryland Dermatological Society Clinical Conference. Baltimore, MD. November 9, 2005.
45. The ethics of facial transplantation. American Burn Association 38<sup>th</sup> Annual Meeting. Las Vegas, NV. April 6, 2006.

46. Fluid resuscitation. Maryland Institute for Emergency Medical Service Systems Conference. Baltimore, MD. April 29, 2006.
47. Management of the burn wound. Wound/Ostomy Conference, National Naval Medical Center. Bethesda, MD. July 21, 2006.
48. Face transplantation: an ethical dilemma. Trauma Conference. Johns Hopkins. Baltimore. MD. Nov 15, 2006.
49. A leap in the dark: face transplantation. Professorial rounds. University of Medicine and Dentistry of New Jersey. Newark NJ. May 14, 2007.
50. The need for a non-immunogenic off the shelf skin. Stemnion, Inc. Marriott Headquarters, Bethesda, MD. October 23, 2007.
51. The burn wound. Dermatology Grand Rounds, Johns Hopkins, Baltimore, MD. January 7, 2009.
52. Treatment of invasive burn sepsis. Kenyatta National Hospital, Nairobi, Kenya. February 13, 2009.
53. Lessons learned from conflicts and civilian disasters. Grand Rounds, Shriners Burns Institute, Harvard Medical School, Division of Plastic Surgery. November 4, 2009.
54. Resuscitation of the thermally injured patients and management of the burn wound. Medax; Israel Medical Week. Tel Aviv. April 26, 2010.
55. The Plastic surgery management of chronic wounds. Medax; Israel Medical Week. Tel Aviv. April 26, 2010.
56. Immediate excision is the best strategy for large burns. Pro/con: wounds. American Burn Association 43<sup>rd</sup> Annual Meeting. Chicago, IL. March 30, 2011.
57. The Johns Hopkins Burn Center; Clinical & Scientific Innovation. Research Symposium for the Restoration of the Wounded Warrior. Dept Plastic Surgery. Johns Hopkins, Baltimore MD. July 12, 2011.
58. The Johns Hopkins University Center for Mobile Medicine. Joint Meeting of the Johns Hopkins Alliance for Science and Technology Development and the University of Maryland, Baltimore Commercial Advisory Board. Carey Business School. Baltimore, MD. October 25, 2011.
59. Mechanisms of burn trauma. Combat Trauma Innovation 2012. London. January 19, 2012.

60. Current views on fluid resuscitation in paediatric burns. European Club for Paediatric Burns. Coombe Abbey, England. May 18, 2012.
61. Use of technology for rapid learning in critical Situations. NMC Summer Conference. Massachusetts Institute of Technology, Boston. June 14, 2012.
62. Burn cases. Department of Plastic Surgery. King Saud University, Saudi Arabia. November 11, 2012.
63. Saving the 90% burn. Johns Hopkins Department of Surgery Grand Rounds. Johns Hopkins, Baltimore MD. April 11, 2013.
64. Reconstructive challenges in patients surviving a massive burn. European Society for Plastic and Reconstructive Surgery. Edinburgh, Scotland. July 8, 2014.
65. Care of massive burns: lessons learned. R Adams Cowley Shock Trauma Center, University of Maryland. Baltimore, MD. October 16, 2014.
66. “Baton” Collaboration in Health Care. American College of Health Care Trustees. Baltimore MD. April 14, 2015.
67. Translational research in burn care. British Burn Association. Birmingham, England. May 21, 2015.
68. Complications in burn care. National Cheng Kung University Hospital, Taiwan. July 22, 2015.
69. Formosa Water Park Disaster. Johns Hopkins Burn Center team observations. Taiwan Ministry of Health and Welfare. Taipei, Taiwan. July 24, 2015.
70. Lessons learned from conflicts and disasters and Saving Cody. Penn State Hershey Medical College. Division of Plastic Surgery. Hershey, PA. August 20, 2015.
71. Observations on the management of the burn wound. Taiwan Burn and Wound Care Academy. Tri-Service General Hospital, Taiwan, ROC. January 22, 2016.
72. Principles of acute surgical management. Department of Physical Medicine and Rehabilitation, National Taiwan University Hospital, Taiwan, ROC. January 23, 2016.
73. Reconstructive challenges. Department of Physical Medicine and Rehabilitation, National Taiwan University Hospital, Taiwan, ROC. January 23, 2016.