

NIH Biographical Sketch

NAME Robert G Hale, DDS		POSITION TITLE Commander, US Army Dental and Trauma Research Detachment	
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE	YEAR	FIELD OF STUDY
University of California Los Angeles, Los Angeles, CA	N/A	1974-1977	English
Emory University, Atlanta, GA	DDS	1981	Dentistry
Emory University, Atlanta, GA	Postdoctoral Certificate	1989	Oral and Maxillofacial Surgery
PROFESSIONAL EXPERIENCE:			
1977- 1981	2LT, US Army Reserves Health Professions Scholarship Program		
1981- 1985	General Dental Officer, CPT US Army, Active Duty		
1985-1989	Resident, Oral and Maxillofacial Surgery Emory University, Atlanta, GA		
1985-1996	MAJ, US Army Reserves		
1989-2005	Oral and Maxillofacial Surgeon, Private Practice Northridge, CA		
1990-Present	Lecturer, Department of Oral and Maxillofacial Surgery UCLA School of Dentistry, Los Angeles, CA		
2003-2005	LTC, US Army Reserves, IMA Deployed to Kuwait and Afghanistan		
2005-2009	LTC, US Army, Active Duty		
2005-2007	Oral and Maxillofacial Surgery Residency Assistant Program Director Brooke Army Medical Center, Fort Sam Houston, TX		
2007- 2009	Oral and Maxillofacial Surgery Residency Program Director Brooke Army Medical Center, Fort Sam Houston, TX		
2007-Present	Director of Craniomaxillofacial Research US Army Institute of Research, Fort Sam Houston TX		
2009-2014	COL, US Army, Active Duty		
2010- 2014	Commander, US Army Dental and Trauma Research Detachment, Fort Sam Houston, TX		
2014-Present	Private Practice, Oral and Maxillofacial Surgery, Woodland Hills, CA		
CERTIFICATES/LICENSES/BOARDS:			
Certificates:			
1981	AMEDD Officer Basic		
2004	AMEDD Officer Advanced		
2007	US Army Command and General Staff College		
2008	AMEDD Executive Skills		
Dental Licensure: CA 29601, Nov 2014; GA 9431, Nov 2015			
Specialty Boards:			
American Board of Oral and Maxillofacial Surgeons, 1992, Re-certified 2002, 2012			
Certified Microsurgery Emory University School of Medicine, 1988			

NIH Biographical Sketch

PUBLICATIONS:

1. **Hale RG**, Timmis DP, Bays RA, 1991. A new mandibulotomy technique for the dentate patient. *Plast Reconstr Surg.* 87(2):362-4.
2. Kerner MM, **Hale RG**, and Silva, K. 2002. A Novel Three-Piece Anterior Mandibular Visor Osteotomy for Genioglossus Advancement in Surgery for Obstructive Sleep Apnea. *Operative Techniques in Otolaryngology – Head & Neck Surgery*, 13(2): 175-177.
3. Orloff G, **Hale RG**. 2007. Mandibular Osteotomies in Orthognathic Surgery. *J Craniofac. Surg*, 18(4): 931-938.
4. Hospenthal DR, Murray CK, Andersen RC, Blice JP, *et al.*, 2008. Guidelines for the prevention of infection after combat-related injuries. *J Trauma.* 2008 Mar;64(3 Suppl):S211-20.
5. Petersen K, Hayes DK, Blice JP, **Hale RG**. 2008. Prevention and management of infections associated with combat-related head and neck injuries. *J Trauma.* 2008 Mar;64(3 Suppl):S265-76.
6. **Hale RG**, Tucker DI. 2008. Head and neck manifestations of tuberculosis. *Oral Maxillofac Surg Clin North Am.* 20(4): 635-42.
7. Lew TA, Walker JA, Wenke JC, Blackbourne LH, **Hale RG**. 2010. Characterization of craniomaxillofacial battle injuries sustained by United States service members in the current conflicts of Iraq and Afghanistan. *J Oral Maxillofac Surg:* 68(1):3-7.
8. **Hale RG**, Lew T, Wenke JC. 2010. Craniomaxillofacial Battle Injuries: Injury Patterns, Conventional Treatment Limitations and Direction of Future Research. *Singapore Dental Journal*, 31(1): 1-8.
9. **Hale RG**, Hayes DK, Orloff G, Peterson K, Powers DB, Mahadevan SV. *Combat Casualty Care: Lessons Learned from OEF & OIF: Maxillofacial and Neck Trauma.* 2010. [DVD]. Los Angeles, CA: Pelagique, LLC.
10. Martin GJ, Dunne JR, Cho JM, Solomkin JS, *et al.*, 2011. Prevention of Combat-Related Infections Guidelines Panel. 2011. Prevention of infections associated with combat-related thoracic and abdominal cavity injuries. *J Trauma;*71:S270-S281.
11. D'Avignon LC, Chung KK, Saffle JR, Renz EM, Cancio LC, *et al.*, 2011. Prevention of Combat-Related Infections Guidelines Panel. 2011 Prevention of infections associated with combat-related burn injuries. *J. Trauma:* 71:S282-9.
12. Hospenthal DR, Murray CK, Andersen RC, *et al.*, 2011. Executive summary: Guidelines for the prevention of infections associated with combat-related injuries: 2011 update: endorsed by the Infectious Diseases Society of America and the Surgical Infection Society. *71(2 Suppl 2):S202-9.*
13. Hospenthal DR, Murray CK, Andersen RC, *et al.*, 2011. Guidelines for the prevention of infections associated with combat-related injuries: 2011 update: endorsed by the Infectious Diseases Society of America and the Surgical Infection Society. *J Trauma.* 71(2 Suppl 2): S210-34.
14. Petersen K, Colyer MH, Hayes DK, **Hale RG**, Bell RB. 2011. Prevention of infections associated with combat-related eye, maxillofacial, and neck injuries. *Prevention of Combat-Related Infections Guidelines Panel. J Trauma.* 71(2 Suppl 2):S264-9.
15. Dumas JE, BrownBaer PB, Prieto EM, Guda T, **Hale RG**, Wenke JC, Guelcher SA. 2012. Injectable reactive biocomposites for bone healing in critical-size rabbit calvarial defects. *Biomed Mater.* 7(2): 024112.
16. Peacock ZS, Kademani D, Le AD, Lee JS, **Hale RG**, Cunningham LL Jr. 2012. Proceedings

NIH Biographical Sketch

- from the 2011 American Association of Oral and Maxillofacial Surgeons research summit. *J Oral Maxillofac Surg.* 70(6): 1271-9.
17. Kittle CP, Verrett AJ, Wu J, Mellus DE, **Hale RG**, Chan RK. 2012. Characterization of midface fractures incurred in recent wars. *J Craniofac Surg.* 23(6): 1587-91.
 18. Chan RK, Siller-Jackson A, Verrett AJ, Wu J, **Hale RG**. 2012. Ten years of war: A characterization of craniomaxillofacial injuries incurred during operations Enduring Freedom and Iraqi Freedom. *J Trauma Acute Care Surg.* 73(6 Suppl 5): S453-8.
 19. BrownBaer P, Ioppolo RB, Thomas SJ, Wenke JC, **Hale RG**. 2012. Investigation of Severe Craniomaxillofacial Battlefield Injuries Sustained by US Service Members: A Case Series. *Cranialmaxillo Trauma Reconst.* 5(4): 243.
 20. Robert Hale, Robert Gatti, Gerald N. Glickman, Lynne A. Opperman, Comparative Analysis of Carrier-Based Obturation and Lateral Compaction: A Retrospective Clinical Outcomes Study. *Int J Dent.*, 2012, 2012: 954765.
 21. Zachar MR, Labella C, Kittle CP, Brown Bear P, **Hale RG**, Chan RK. 2012. Characterization of Mandibular Fractures Incurred From Battle Injuries in Iraq and Afghanistan From 2001-2010. *J Oral Maxillofac Surg.* 2013 Apr; 71 (4):734-42..
 22. Fletcher JL, Caterson EJ, **Hale RG**, Cancio LC, Renz EM, Chan RK. 2013 Characterization of Skin Allograft Use in Thermal Injury. *J Burn Care Res.* 34:168-175.
 23. Guda T, Labella, C, Chan RK, **Hale RG**. Quality of Bone Healing: perspectives, paradigms and prognoses. *Wound Repair Regen.* May 2014 Supplement; 22: 39-49 ISSN: 1067-1927.
 24. Cheng, Yoo, **Hale RG**, 2014. Biomask for skin regeneration. *Regenerative Medicine* (2014) 9(3), 245-248.
 25. Xing Guo Cheg, James Yoo, **Robert G. Hale**, Michael Davis, Hyun Kang, Sang Lee. 3D Printed Biomaterials for Maxillofacial Tissue Engineering and Reconstruction-A Review. *OJBMR* 2014, 1(3): 34-39.
 26. Rodney K. Chan, James Aden, Jesse Wu, **Robert G. Hale**, Evan Renz, Steven E. Wolf. Operative Utilization Following Severe Combat-Related Burns. *Journal of Burn Care & Research* 2014.
 27. In vitro characterization of scaffold-free three-dimensional mesenchymal stem cell aggregates. Rettinger CL, Fourcaudot AB, Hong SJ, Mustoe TA, **Hale RG**, Leung KP. *Cell Tissue Res.* **2014** Jul 12

CONFERENCE PROCEEDINGS (PODIUM/POSTER PRESENTATION OR ABSTRACT SUBMITTED):

1. Wu JC, Mellus DE, Salas MA, Christy RJ, Leung KP, **Hale RG**, and Chan RK. Attenuation of Post-burn Wound Contracture Using Anti-complement and Anti-inflammatory Therapies in a Mouse Model. ATACCC. Fort Lauderdale, FL. August, 2011. Abstract.
2. Wu JC, Mellus DE, Salas MA, Christy RJ, Leung KP, **Hale RG**, and Chan RK. Attenuation of Post-burn Wound Contracture Using Anti-complement and Anti-inflammatory Therapies in a Mouse Model. ATACCC. Fort Lauderdale, FL. August, 2011. Poster.
3. Verrett AJ, Labella CA, Chatterley DG, Mellus DE, BrownBaer PR, **Hale RG**, Chan RK. 10 Years of War: A Characterization of Craniomaxillofacial Fractures (CMF) as Incurred Injuries in Operations Enduring Freedom (OEF) and Iraqi Freedom (OIF)/New Dawn (OND). ATACCC. Fort Lauderdale, FL. August, 2011. Abstract.
4. Labella CA, Verret AJ, Chatterley DG, Mellus DE, BrownBaer PR, **Hale RG**, Chan RK. 10

NIH Biographical Sketch

- Years of War: A Characterization of Mandible Fracture Patterns as Incurred Injuries in Operations Enduring Freedom (OEF) and Iraqi Freedom (OIF)/New Dawn (OND). ATACCC. Fort Lauderdale, FL. August, 2011. Abstract.
5. Labella CA, Verret AJ, Chatterley DG, Mellus DE, BrownBaer PR, **Hale RG**, Chan RK. 10 Years of War: A Characterization of Mandible Fracture Patterns as Incurred Injuries in Operations Enduring Freedom (OEF) and Iraqi Freedom (OIF)/New Dawn (OND). ATACCC. Fort Lauderdale, FL. August, 2011. Poster.
 6. Chatterley DG, Labella CA, Verrett AJ, Mellus DE, BrownBaer PR, **Hale RG**, Chan RK. 10 Years of War: A Characterization of Craniomaxillofacial (CMF) Injuries Incurred in Operations Enduring Freedom (OEF) and Iraqi Freedom (OIF)/New Dawn (OND). ATACCC. Fort Lauderdale, FL. August, 2011. Abstract.
 7. Lee WC, Hong SK, Mustoe TA, **Hale RG**, Leung KP. Profiling of Paracrine Factors Secreted by Leporine-derived Mesenchymal Stem Cells. ATACCC. Fort Lauderdale, FL. August, 2011. Abstract.
 8. Lee WC, Hong SK, Mustoe TA, **Hale RG**, Leung KP. Profiling of Paracrine Factors Secreted by Leporine-derived Mesenchymal Stem Cells. ATACCC. Fort Lauderdale, FL. August, 2011. Poster.
 9. Brown Bear P, Silliman DT, Lien W, **Hale RG**. Clinical Modeling for Lateral Mandibular Body Reconstruction: Initial Results from a Pig Mandible Model. MHSRS. Fort Lauderdale, FL. August, 2012. Poster.
 10. Salas MA, Jordan BS, Mankoff GE, Rossman GM, De Los Santos DM, Hernandez MM, **Hale RG**. From Implementation to Execution Phases-AFIRM-FDA-Regulated Clinical Trials. MHSRS. Fort Lauderdale, FL. August, 2012. Poster.
 11. D. Silliman, P. Carlisle, D. Owens, D. Tucker, R. Hale, and P BrownBaer. Segmental Mandibular Defects in Sinclair Miniature Pigs Mimic Human Mandibular Reconstruction Cases. MHSRS Fort Lauderdale, FL. 2014. Abstract.

BOOK CHAPTERS:

1. **Hale RG**, Hayes DK, Orloff G, et al. Maxillofacial and Neck Injuries. In: Savitsky E and Eastridge B eds. *Combat Casualty Care: Lessons Learned, OIF and OEF*, Borden Institute. 2012: 225-297.
2. **Hale RG**. The Military Relevance of Face Composite Tissue Allotransplantation and Regenerative Medicine Research. In: Siemionow MZ ed. *The Know-How of Face Transplantation*. Springer-Verlag London Limited. 2011: 401-410.

MILITARY AWARDS:

- 1982 Expert Field Medical Badge
- 1982 Army Commendation Medal
- 1985 Army Commendation Medal
- 2004 Army Achievement Medal
- 2004 Bronze Star Medal – Operation Iraqi Freedom
- 2004 Bronze Star Medal – Operation Enduring Freedom
- 2009 “A” Proficiency Designation
- 2010 Meritorious Service Medal
- 2010 Order of Military Medical Merit
- 2011 Association of Military Surgeons of the United States-Dentist Award

NIH Biographical Sketch

2014 Legion of Merit

CIVILIAN AWARDS:

2001 Pierre Fauchard Academy

2010 Humanitarian Award-American Association of Oral and Maxillofacial Surgeons

2010 Fellow International College of Dentists

MEMBERSHIPS:

Fellow:

American Association of Oral and Maxillofacial Surgeons

American Board of Oral and Maxillofacial Surgeons

American College of Oral and Maxillofacial Surgeons

Member:

American Dental Association

California Association of Oral and Maxillofacial Surgeons

Southern California Orofacial Academy

San Fernando Valley Dental Society 1989 to 2010; President, 2004-2005

Honorary Member:

California Dental Association, 2010

APPOINTMENTS:

1990 Lecturer, UCLA School of Dentistry

1990 Medical Staff, UCLA Medical Center

2005 Active Staff, San Antonio Military Medical Center

2008 Craniomaxillofacial Faculty, AO North American

2009 Member, Integrated Product Team, Armed Forces Institute of Regenerative Medicine

2010 Member, AAOMS Advisory Committee on Research Planning and Technology Assessment

2011 Professor, Oral and Maxillofacial Surgery, Army Postgraduate Dental School, Uniformed Services University of the Health Sciences, Bethesda MD

2012 Member Council on Scientific Affairs, American Dental Association

REVIEWER AND EDITORIAL BOARDS:

Reviewer:

Journal of Oral Maxillofacial Surgery

Journal of Trauma

UNDERGRADUATE STUDENTS:

Remington Wong, 2012

Shaylene Mixter, 2012

Heather Speck, 2013

GRADUATE STUDENTS:

Nancy Rolstad, 2011

Adam Staples, 2011

Jeffrey Marrs, 2014

NIH Biographical Sketch

POSTDOCTORAL FELLOWSHIPS:

Brandon Childers, PhD, 2011-2013
Tricia Van Laar, PhD, 2012-present
Bruno Herrera, PhD, 2012-2013
Lloyd Rose, PhD, 2012-present
Christine Miller, PhD, 2013- present
Anders Carlsson, PhD 2014

CLINICIAN RESEARCH FELLOWSHIPS:

Brooke Army Medical Center Department of Oral and Maxillofacial Surgery Clinic

Resident Research Fellowship

Austin Travis, DDS, 2010-2013 (primary mentor)
Joel Nichols, DDS, 2010-2013 (primary mentor)
Daniel Chatterley, DDS, 2010-2014 (primary mentor)
Jerri Hines, DDS, 2010-2014 (primary mentor)
Christopher Kittle, DDS, 2010-2014 (primary mentor)
Carl Labella, DDS, 2010-2014(primary mentor)
Adam Verrett, DDS, 2010-2014 (primary mentor)
Andrew Madson, DDS 2012 - present (primary mentor)
Thankur Bong, DDS 2012- present (primary mentor)
Dave Smith, DDS 2013-present (primary mentor)
Charles Stanley, DDS 2013-present (primary mentor)
Brandon Bell, DDS 2014-present(primary mentor)