

- Name Dhaval Bhavsar
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- Education:
 1. MBBS (08/1991-12/1996)- NHL Medical College, Ahmedabad, INDIA (Equivalent to MD)
 2. MS (03/1997- 01/2000) - KM School of PG Medicine, Ahmedabad, INDIA (Surgical Residency)
 3. MCh (02/2000- 01/2003) - KM School of PG Medicine, Ahmedabad, INDIA (Plastic Surgery Residency)
 - Registered medical practitioner in State of Gujarat—Equivalent to Board certification and unrestricted medical license in US with additional qualifications in General Surgery and Plastic Surgery
 - Completed USMLE Steps 1, 2 (ck), 2 (cs), and 3. ECFMG Cert. # 0-662-048-8 (Oct 2006)
 - Current Visa: H1b

A. Positions and Honors:

01/96-12/96	Rotating internship VS General Hospital, Ahmedabad, INDIA
01/97-02/97	Locum resident- Internal Medicine, VS General Hospital, Ahmedabad, INDIA
03/97-01/2000	Resident in General Surgery, VS General Hospital, Ahmedabad, INDIA
02/2000-01/03	Resident in Plastic Surgery, SCL General Hospital, and Ahmedabad, INDIA
02/03-05/05	Visiting Scholar, Division of Plastic Surgery, UCSD, San Diego, CA
06/05-07/07	Senior Clinical Fellow, Division of Plastic Surgery, UCSD Medical Center, CA
08/07-12/07	Post-doc scholar, Div of Plastic Surgery, UCSD, San Diego, CA
01/ 08- onward:	Burn Fellow, UCSD Regional Burn Center, San Diego, CA

- The best student of the year award in 1989-90 (High School junior)
- Amongst top 0.1% in the Class of 1991 in the state high school exit exam
- Amongst top 10% in state medical school exit exam. November 1995 (equivalent to USMLE)
- Rank #1 in state plastic surgery boards year 2002-03
- Winner of the David Beesinger Traveling Scholarship for the best paper in NABS Annual meeting 2005.
- Who's Who in America- 2008 edition onwards
- Invited Faculty: Basic Science of Wound Healing, Wound Complications, and Management of Chronic Wounds- Wound Management Workshop. San Diego, CA. 2006- present

B. Memberships

- Full Member- Plastic Surgery Research Council
- Full Member- American Burn Association
- Full member- North American Burn Society

C. Research Work during Medical Education:

1. Study of management of chronic lower limb ischemia- Comparative study between bypass graft surgery and conservative amputations & sympathectomy. Thesis submitted to Gujarat University for Degree of MS- Year 1997-2000

2. Study of single stage repair for hypospadias- An outcome study and comparison in functional analysis. Thesis submitted to Gujarat University for Degree of MCh - Year 2000-03

D. Papers presented:

1. *Study of Palmar FTG for coverage of small defects of palm- “ better sensations both tactile gnosis and tactile discrimination”* at Association of Plastic Surgeons of India (Gujarat State Chapter) Annual Conference in September 2000
2. *Case report: A 16 year follow up of a case of PROBOSCIS LATERALIS -a rare congenital anomaly* at Association of Plastic Surgeons of India, Annual National Conference in September 2001
3. Functional results of hypospadias surgery: Endoscopic and urodynamic study, at Association of Plastic Surgeons of India, Annual National Conference, November 2002
4. Do pre-operative surgical markings pose infectious risk? A surgeon’s perspective, at North American Burn Society Annual Meeting, January 2004
5. Early composite skin and tendon reconstruction of deep contact thermal injuries of hand, A review of literature and case report, at North American Burn Society Meeting, January 2004
6. **Characterization of effects of polylactate thin film on wound contraction in full-thickness skin wound in mice model, at American Burn Association annual meeting, March 2004**
7. Coverage of exposed joints with acellular allograft dermis in deep thermal injury of hand in patients with very few options, (Poster) at American Society of Plastic Surgery annual meeting October 2004
8. Role of biomechanical barrier (INTEGRA®) in control of formation of post-operative tendon adhesions. International Society of Burn Injuries, Annual Congress at Yokohama Japan Aug 2004
9. A novel direct method of approach for Mandible fractures, At Association of Plastic Surgeons of India, Annual meeting November 2004
10. Role of Apoptosis in Burn Injury. Plastic Surgery Research Council, 50th Annual Meeting at Toronto, May 2005.
11. **Apoptosis in Burn wound. At American Burn Association annual meeting May 2005 Chicago**
12. **Ischemia-Reperfusion, Apoptosis and Hyperthermia Pre-conditioning. At Annual meeting of European Tissue Repair Society, Stuttgart August 2005.**
13. **Role of INTEGRA as biomechanical barrier in tendon healing and adhesions formation, Histology and Biomechanical Analysis. ASPS Annual Meeting; Plastic Surgery September 2005 Chicago.**
14. Ischemia-Reperfusion Injury and Apoptosis: Role of Hyperthermia Pre-conditioning and Caspase-3 inhibition, A Study in Rat Latissimus dorsi muscle model. PSRC Annual Meeting May 2006, Dan Point, CA.
15. Low Energy LASER –Erchonia- in burn wound ischemia. Presented at NABS annual meeting Jan 2007, Vail, CO.
16. **Role of iNOS inhibitor in regulation of apoptosis in the zone of stasis of burn. Presented at annual of meeting of American Burn Association March 2007: San Diego, CA.**
17. **Role of Epithelial Apoptosis in Progressive Injury in Burn Wound. Accepted for Oral Presentation at The 14th International Congress of the International Confederation for Plastic, Reconstructive and Aesthetic Surgery June 26 - 30, 2007 Berlin, Germany**
18. **Evers L, Bhavsar D, Ho A, Melzer H, Levy M, Cohen S. Reduction of Intracranial Pressure after Craniostylosis Surgery. Plastic and Reconstructive Surgery. 2007, Sep; 120(4 supplement):154. Pub Status: Published.**
19. Bhavsar D, Eshwar R, Tenenhaus M. Low energy laser and flap ischemia. BiOS 2008, Photonics West Conference
20. Bhavsar D, Lee J, Potenza B. San Diego Wildfires 2007. NABS Annual Meeting 2008.
21. **B. M. Potenza, G. Danquah, J. Noordenbos, M. Tenenhaus, A. Fraga, G. Fraga, S. Castle, D. Bhavsar, J. McSweeney, C. Ridgway. Beach Bonfires: A site of pleasure and tragedy. American Burn Association. Annual Meeting April 2008. Chicago, USA**
22. **Bhavsar D, Bondarchuk A, Kohanzadeh S, Bodor R (2008). If its good enough for dolphins: Use of the computerized dolphin bed technology markedly improves tissue perfusion of human pressure points as well. Plastic and Reconstructive Surgery; 121 (6) supplement: 49. Presented at annual meeting of Plastic Surgery Research Council 2008 (Springfield, IL)**

23. Lars-Hinrich Evers, Dhaval Bhavsar, Mayer Tenenhaus, Richard Bodor, Gottfried Lemperle. Free serratus fascia flap - anatomic study & clinical application
24. **Lars Hinrich Evers, Dhaval Bhavsar, Richard Bodor, Peter Mailänder. Biomechanical properties of fascia lata grafts. Presented at 12th Annual meeting of Surgical Research at Freiburg, Germany**

(Abstracts in bold were published abstracts)

E. Papers Published:

1. Vyas, U; Raibagkar, S; Vora, H; Bhavsar, D. Proboscis Lateralis- A 17-years follow-up—A case report: Indian Journal of Plastic Surgery, Jan-June 2003, 25-28
2. Tenenhaus, M; Bhavsar, D; Rennekampff, O. The posterior interosseous nerve as a donor source for nerve grafting - a concept revisited: Plast Recon Surg. 2005 Apr; 115(4): 1215-6
3. Bhavsar, D; Tenenhaus, M. Do pre-operative surgical marking pose infectious risk? Surgeons' perspective. Journal of Surgical Infection, Vol. 7, No. 5, Oct. 2006.
4. Dobke, M; Renkielska, A; De Neve, J; Chao, J; Bhavsar, D. Telemedicine for problematic wound management: enhancing communication between long-term care, skilled nursing, and home caregivers and a surgical wound specialist. Wounds, Vol 18, Issue 9, Sept 2006.
5. Tenenhaus M., Rennekampff HO, Bhavsar D, Potenza B. Waterjet debridement of deep and indeterminate depth thermal injuries; EWMA Journal 2007, Vol 7, no 1.
6. Evers, L. H. Bhavsar, D. Rennekampff, H. O. Potenza, B. Dobke, M. Angle, N. Tenenhaus, M. Protective role of i-NOS inhibitor in partial thickness burn wound. CHIRURGISCHE FORUM FUR EXPERIMENTELLE UND KLINISCHE FORSCHUNG. 2007; 124: 289-294
7. Tenenhaus M Rennekampff HO Bhavsar D. Treatment of deep partial thickness and indeterminate depth facial burn wounds with waterjet debridement and a biosynthetic dressing. *Injury*, 38 (5), p.S38-S44, Dec 2007
8. Dobke M, Bhavsar D, Gosman A, de Neve J, de Neve B. Streamlining the management of patients with problematic wounds: Does every patient management plan have to be formulated by the multidisciplinary team?. Wounds. 2007 Dec; 19(12): 340- 344
9. Bhavsar, D; Barkdull, G; Berger, J; Tenenhaus, M. A Novel Surgical Approach to Subcondylar Fractures of Mandible. Journal of Craniofacial Surgery, 2008 Mar;19(2):496-499
10. Dobke, M; Bhavsar, D; Gossman, A; de Neve, J; de Neve, B. "Pilot Trial of Telemedicine as a Decision Aid for Patients with Chronic Wounds". Telemedicine and e-Health. April 1, 2008, 14(3): 245-249
11. Bhavsar, D; Rennekampff, HO; Tenenhaus, M. Acellular dermal matrix for coverage of exposed joint and extensor mechanism of hand in thermally injured patients with few options. ePlasty. 2008 June; vol 8: 333-342
12. Toulon, A; Breton, L; Taylor, K; Tenenhaus, M; Bhavsar, D; Lanigan, C; Rudolph, R; Jameson, J; and Havran, W. **A role for human skin-resident T cells in wound healing.** J. Exp. Med. 2009 : jem.20081787v1-jem.20081787.
13. Bhavsar, D; Rennekampff, HO; Stein, P; Potenza, B; Tenenhaus, M. Role of Apoptosis in Zone of Stasis of Burn Wound. Submitted- Journal of Burn Care and Research
14. Bhavsar, D; Chen, L; Dobke, M; Tenenhaus, M. Disposable vs Reusable Liposuction Cannula: Does that matter? Submitted- Journal of Plastic Reconstructive and Aesthetic Surgery
15. Evers, L; Bhavsar, D; Potenza, B; Dobke, M; Tenenhaus, M. Specific iNOS inhibitors reduce the apoptosis cell death in the zone of stasis of burn wound. Submitted to Surgery.
16. Bhavsar, D; Shettko, D; Tenenhaus, M: Integra as Biomechanical Barrier: Effect on Post-Operative Tendon Adhesions. Submitted to Journal of Surgical Research.

F. Book Chapter:

1. Principles of Management of Hand Burns, in Manual of Burn Management. Editor: Zapata-Sirvent RL. September 2005

2. Diagnosis and Surgical Management in Wound Bacterial Burden, in *Surgical Wound Healing and Management*. Editors: Mark Granick and Richard Gamelli. February 2007- Taylor and Francis.

G. Research Grants: (grants writing and co-investigator with Dr. Mayer Tenenhaus)

1. Synthetics and Adhesions. Grant by Academic Senate- UC San Diego. \$ 10,000. May 2003
2. Tendon Encirclage with absorbable biosynthetic to investigate it s effects on tendon adhesions and functional outcome of tendon repair surgery. Grant from Burn Institute, San Diego. \$ 25,400. July 2003
3. Heat Shock Proteins, Hyperthermia, and Flap Survival- Study in rat Lat. Dorsi flap model- UCSD Academic Senate. \$ 10,000. July 2004
4. Research Gift from INTEGRA Biosciences. Study of Integra as a Biomechanical Barrier for reduction of post-operative tendon adhesions. \$15,000, Dec. 2005.
5. Tendon Encirclage with absorbable biosynthetic to investigate it s effects on tendon adhesions and functional outcome of tendon repair surgery. Grant supplement from Burn Institute, San Diego. \$ 5,000. Feb 2006
6. Research Gift from Tulip BioMed. Viability and proliferation potential of fat cells- Study of differences between cannula size and suction pressure. \$ 10,000, July 2006
7. Burn and Apoptosis. Grant from Burn Institute San Diego, \$ 19,540, December 2006
8. Low Energy Laser- Effect on cellular metabolism in ischemic conditions. Unrestricted research gift from Erchonia Medical. \$ 21,000. February 2007.
9. Dolphin Bed- Assessment of changes in skin microcirculation and oxygen tension. Unrestricted research gift from Biologics, Inc. \$10,000 December 2007