

## CURRICULUM VITAE



### **Gholamreza Esmaeeli Djavid M.D.**

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#### **DATE & PLACE of BIRTH:**

1974, Tehran

#### **CITIZENSHIP:**

Iranian

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#### **RESEARCH**

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My principal research interests lie in the field of photomedicine and photodynamic therapy. I am currently investigating the impact of accelerating methods of wound healing particularly chronic ones and role of photobiostimulation on healing process in clinical setting. I have a particular expertise and interest in chronic wounds management particularly diabetic foot ulcers by means of wound debridement and dressing, evaluation of wound infection (clinical and microbiological assessment) and off-loading methods. My future research plans are to discover on the foundations of photobiostimulation reactions in experimental and clinical models. Now, I am doing research projects in patients with diabetic foot ulcer and following these objectives:

- Evaluation of precise effect size of low level laser therapy in comparison with placebo group.
- Evaluation of photobiostimulation on bacterial load of chronic and acute wounds.
- Design and evaluation of different techniques to determine of bacterial load:
  - o Tissue biopsy
  - o Wound fluid aspiration
  - o Photodynamic diagnosis (endogen or exogen photosensitizers)

#### **EDUCATION**

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1994 Mathematics and Physics Diploma: Mosa Kalamtary High School, Tehran, Iran.  
1997-2005 Medical Doctor Degree \*: Faculty of Medicine, Tehran University of Medical Sciences (TUMS).

\* (Including 18 months of Internship).

**Doctoral Dissertation:**

Evaluation of low level laser therapy on healing of diabetic foot wound in a controlled randomized clinical trial.

**MILITARY SERVICE**

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Public Health Administration, Ground Force of Army, Tehran, Iran, May 1994 – May 1996.

**PUBLICATIONS**

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1. **Djavid GE**, Shikhbahae N, Ghodsi M, et al. Photodynamic therapy: Interaction between photosensitizer, photon and tissue. *Farama* 1999; 2: 35-41(Persian).
2. Essentials & Examinations of Basic Medical Sciences References Series: Medical Physiology. Mir Book Press, 2002, Tehran, Iran ISBN: 964-6449-16-6 (Persian).
3. Kaviani A, **Djavid GE**. Photodynamic therapy in basal cell carcinoma using gold vapour laser. *Int J Cancer* 2002;13S:82.
4. **Djavid GE**, Erfani R, Amoohashemi N, Pazouki M, Aghae S, Pazokitroudi H. Effect of low level He-Ne laser on acute mucosal ulceration induced by indomethacine in rat. *Proc SPIE* 2002;4903:189-192.
5. Mortazavi MJ, Afsharpad M, **Djavid GE**. Effect of low-level pulsed laser 890-nm on lumbar spondylolisthesis: a case report. *Proc SPIE* 2002;4903:193-196.
6. Noroozi H, **Djavid GE**, Moeinzad H, Teimouri AP. Prediction of arch perimeter changes due to orthodontic treatment. *Am J Orthod Dentofacial Orthop* 2002;122(6):601-607.
7. Ataie-fashtami L, **Djavid GE**. Efficacy of low power laser GaAlAs (630 nm) in the treatment of vitiligo patients. *Laser Med Sci* 2002;11(4):A12.
8. Basirnia A, Sadeghipoor G, **Djavid GE**, Jamili P, Sheikhbahae N, Mortazavi SMJ. The effect of low power laser therapy on osteoarthritis of the knee. *Laser Med Sci* 2002;11(4):A28.
9. **Djavid GE**, Mortazavi SMJ, Basirnia A, Sadeghipoor Roodsari G, Jamili P, Sheikhbahae N, Kaviani A. Low level laser therapy in musculoskeletal pain syndromes: Pain relief and disability reduction. *Lasers Surg Med* 2003; 15S:43.
10. Rabbani A, Kaviani A, Jalili D, **Djavid GE**. Comprehensive evaluation of post-operative mortality in Imam Hospital. *Journal of School of Public Health & Institute of Public Health Research* 2004 2(4):59-68 (Persian).
11. Mahjoob F, Moghaddam KA, Tajzieh Chi A, **Djavid GE**. Histologic finding in liver biopsy of children with thalassemia major. *The Journal of Faculty of Medicine* 2005; 8:630-636 (Persian).
12. Kaviani A, Ataie-Fashtami L, Fateh M, Sheikhbahae N, Ghodsi M, Zand N, **Djavid GE**. Photodynamic therapy of head and neck basal cell carcinoma according to different clinicopathologic features. *Lasers Surg Med* 2005;10:65-74.

13. **Djavid GE**, Fathy Y, Jahanbakhsh T, Golmaee P, Rabiee A, Pazouki H. Effects of low level He-Ne (632.8 nm) and GaAlAs (810 nm) lasers on contact hypersensitivity induced by dinitrochlorobenzene (DNCB) in BALB/c mice. *Laser in Medicine Journal*; 2004; 4 (2):16-19 (Persian).
14. Aghahosseini F, Arbabi-Kalati F, Fashtami LA, Fateh M, **Djavid GE**. Treatment of oral lichen planus with photodynamic therapy mediated methylene blue: a case report. *Med Oral Patol Oral Cir Bucal*. 2006;11(2):E126-9.
15. Aghahosseini F, Arbabi-Kalati F, Fashtami LA, **Djavid GE**, Fateh M, Beitollahi JM. Methylene blue-mediated photodynamic therapy: a possible alternative treatment for oral lichen planus. *Lasers Surg Med*. 2006;38(1):33-8.
16. Kashef N, Behzadian-Nejad Q, Najari-Peerayeh S, Mousavi-Hosseini K, Moazzeni M, **Djavid GE**. Synthesis and characterization of *Pseudomonas aeruginosa* alginate-tetanus toxoid conjugate. *J Med Microbiol*. 2006 Oct;55(Pt 10):1441-6.
17. Razzaghi MR, Habibi G, **Djavid GE**, Gholamrezaee H. Laser prostatectomy versus transurethral resection of prostate in the treatment of benign prostatic hyperplasia. *Saudi Med J*. 2007 Jan;28(1):68-72.
18. **Djavid GE**, Mehrdad R, Ghasemi M, Hasan-Zadeh H, Sotoodeh-Manesh A, Pouryaghoub G. In chronic low back pain, low level laser therapy combined with exercise is more beneficial than exercise alone in the long term: a randomised trial. *Aust J Physiother*. 2007;53(3):155-60.
19. Olfatbakhsh A, Beheshtian T, **Djavid GE**. Granulomatous mastitis, erythema nodosum, and oligoarthritis in a pregnant woman. *Breast J*. 2008 Nov-Dec;14(6):588-90.
20. Zand N, Ataie-Fashtami L, **Djavid GE**, Fateh M, Alinaghizadeh MR, Fatemi SM, Arbabi-Kalati F. Relieving pain in minor aphthous stomatitis by a single session of non-thermal carbon dioxide laser irradiation. *Lasers Med Sci*. 2009 Jul;24(4):515-20.
21. Kaviani A, **Djavid GE**, Fashtami LA, Fateh M, Ghodsi M, Salami M, Kashef N, Larijani B. A randomized clinical trial on the effect of low level laser therapy on chronic diabetic foot wound healing: A preliminary report. *Photomedicine and Laser Surgery* (in press).
22. Kashef N, Shojaiepard A, **Djavid GE**, Mohajeri M, Fateh M, Ghodsi M, Jalai M. Bacterial load in healing process of diabetic foot ulcers: Quantitative evaluation. *Laser in Medicine Journal, Laser in Medicine* 2009; 6(2):31-35
23. Rezvanfard M, Ekhtiari H, Mokri A, **Djavid GE**, Kaviani H. Psychological and behavioral traits in smokers and their relationship with nicotine dependence level. *Arch Iran Med*. 2010 Sep;13(5):395-405.
24. Kashef N, **Djavid GE**, Shahbazi S. Antimicrobial susceptibility patterns of community-acquired uropathogens in Tehran, Iran. *J Infect Dev Ctries*. 2010;4(4):202-6.
25. Ataie-Fashtami L, Shirkavand A, Sarkar S, Alinaghizadeh MR, Hejazi M, Mohsen Fateh M, **Djavid GE**, Zand N, Mohammad-Reza H. Simulation of thermal damage patterns by LITCIT Software: A method for better understanding and optimizing

treatment parameters of Diode hair removal lasers. Laser in Surgery and Medicine (under review)

## **TEACHING/ADMINISTRATION EXPERIENCE**

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- 2007 Supervision for undergraduate medical thesis entitled “Evaluation of low level laser therapy in prevention of chemotherapy induced oral mucositis in a randomized clinical trial”.
- 2009 Supervision for undergraduate medical thesis entitled “Evaluation of low level laser therapy in prevention and treatment of radiotherapy induced oral mucositis and xerostomia in a randomized clinical trial”.

## **WORK EXPERIENCE**

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- 1999 till now Lecturer of research methodology, biostatistics and SPSS workshops at Students’ Scientific Research Center (SSRC), Tehran University of Medical Sciences, Tehran, Iran
- 1999 till now Senior consultant of research methodology and biostatistics at Students’ Scientific Research Center (SSRC), Tehran University of Medical Sciences, Tehran, Iran  
\* Consulting more than 100 doctoral thesis
- 2002 Cooperation in establishing the “Laser in Medicine Research Group” and the “Laser Clinic” in ACECR
- 2001-2003 Internal manager of the “Laser Clinic”
- 2005 till now Physician of ‘Low Level Laser Therapy Clinic’ in pain and wound healing
- 2005-2006 Designing and conducting of research project (grant number 1878): Evaluation of low level laser therapy in prevention of chemotherapy induced oral mucositis in a randomized clinical trial
- 2005 till now Establishment and management of the “Diabetic Foot Clinic”
- 2005 till now Academic member of the “Laser in Medicine Research Group”

- 2008-2009 Designing and conducting of research project (grant number 1878): Evaluation of low level laser therapy in prevention and treatment of radiotherapy induced oral mucositis and xerostomia in a randomized clinical trial
- 2008 till now Manager of the “Iranian Center for Medical Laser Clinic”
- 2009 Cooperation in establishing the “Photobiostimulation Research Group”

### **PROFESSIONAL MEMBERSHIPS**

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- 2002 Associate member of American Society for Laser in Surgery and Medicine (ASLMS)
- 2002 till now Member of the editorial board, Laser in Medicine (Persian)

### **TECHNICAL SKILLS**

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Laser therapy and dosimetry:

- Low level lasers (InGaAl, GaAlAs, He-Ne, GaAs)
- CO2 Laser
- Alexandrite
- Fractional CO2
- Q-switch Nd:YAG
- ALA and MB Photodynamic Therapy

Chronic wound cares:

- Debridement and dressing
- Off-loading methods
- Infection evaluation:
  - o Tissue biopsy
  - o Post debridement wound fluid

Animal modeling (open wound and mucositis modeling)

### **HONORS and REWARDS**

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- 1999 Awarded as the best student researcher of Students’ Scientific Research Center (SSRC), Tehran University of Medical Sciences, Tehran, Iran.
- 2002 Awarded as the best student researcher of medical school, Faculty of Medicine, Tehran University of Medical Sciences, Tehran, Iran
- 2003 Certificate of honor for best paper in the international congress of laser in medicine, Laser Florence 2003, Italy

2005 Certificate of honor for best Lecture in the international congress of laser in medicine, Laser Florence 2003, Italy

## REFERENCES

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