

# Curriculum Vitae

## Personal Information



**Name:** Karim  
**Last name:** Hemati  
**Birth Date:** 26 February 1971  
**Birth place:** Abdanan, Ilam province (Iran)  
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## Education

- Present Academic Status: Professor of Anesthesiology
- Interventional Pain Fellowship, Iran University of Medical Sciences, 2014-2015
- Anesthesiologist, Iran University of Medical Sciences, 2005-2009 (My thesis was on Evaluation of therapeutic effects of Transdermal Fentanyl in the treatment of chronic pain in patients with soft tissue tumors referred to the Cancer Institute of Imam Khomeini Hospital in a one-year period (2006-2007))
- Medical doctor (M.D.), Tehran university of medical sciences, 1990-1997 (My thesis was on Evaluation of soft tissue tumors of patients referred to Imam Khomeini Hospital Cancer Institute in Tehran from 1970 to 1993)
- Mathematics diploma, Abdanan, Ilam province, Iran, 1990

## Honors and Scientific Societies Membership:

- Member of the national Board of Anesthesiology and Intensive Care of Iran
- Member and chairman of the Supervisory Board of Ilam University of Medical Sciences
- Member of the Board of Trustees of Lorestan University of Medical Sciences
- First prize in the sixth Razi Festival in the form of a project (Iranian Children Oral Health in 1998)
- Member and Secretary of the High Board of Appeal of the Ministry of Health and Medical Education, 2019-2020
- Member, Chairman and Plenipotentiary Representative of the Minister of Health and Medical Education in the Documentation Commission, 2019-2020
- Member of the Working Group of the Ethics in Research of the Ministry of Health and Medical Education, 2019-2020
- Member and Chairman of the High Commission of Commitments of the Ministry of Health and Medical Education, 2019-2020

- Member of the Scientific Council of the Elite Foundation of Ilam province, Iran, 2018-2019
- Member of the Board of Trustees of Islamic Azad University of Ilam, 2017-2019
- Editor-in-Chief of the Red Crescent Society Medical Journal, 2020-
- Top attending at Ilam University of Medical Sciences in 2011
- Exemplary and top physician of the medical council of Ilam province in 2015
- Representation of the Hajj Medical Board in Ilam province
- Top researcher of medical school and Ilam University of Medical Sciences in 2014 and 2015
- Collaborator of the National Cancer Registration Plan for twelve years (1993-2005)
- Executor of two five-year courses of cancer registration in Ilam province (1996 to 2001 and 2001 to 2006)
- Scientific Editor of journal of Anesthesiology and Pain Medicine of Iran University of Medical Sciences
- High ranking manager of the Islamic Revolution of Iran in 1399
- Received appreciation from the International Committee of the Red Cross in connection with training courses for mine victims in the border areas of Ilam province, 2002
- Received appreciation from the International Committee of the Red Cross in Kermanshah, 2002

#### Positions & Work Experiences:

- President of the Red Crescent Society of the Islamic Republic of Iran, 2020-
- Deputy Minister of Legal Affairs and Parliamentary Affairs of the Ministry of Health and Medical Education of the Islamic Republic of Iran, 2019-2020
- President of Ilam University of Medical Sciences, 2018-2019
- Head of the Red Crescent of Ilam Province, Iran, 2001-2005
- Deputy of Health and Head of Health Center of Ilam Province, Iran, 1998-1999
- Head of Darreh-shahr Health Network, Ilam Province, Iran, 1997-1998
- Head of Vali-e-Asr Hospital in Darreh-shahr, Ilam Province, Iran, 1996-1997
- Head of health center of Abdanan Health Network, Ilam Province, Iran, 1996

#### Publications:

##### **Full Papers published in English:**

- 1- Yasemi M, Hafezi Ahmadi MR, Khajavikhan J, Peyman H, Asadollahi KH, Yasemi MR, **Hemati K (corresponding author)**. An 8 years' retrospective study of breast cancer incidence in ilam province, Western Iran (2013). Journal of Clinical and Diagnostic Research, 7 (12): 2923-5.

- 2- Hafezi Ahmadi MR, Yasemi M, Peyman H, **Hemati K**, Khajavikhan J, Yaghoubi M, Bimanand L. Prevalence and Risk Factors of Oligospermia in Infertile Men (2014). *Journal of Clinical and Diagnostic Research*, 8 (9).
- 3- Peyman H, Sadeghifar J, Khajavikhan J, Yasemi M, Rasool M, Yaghoubi YM, Nahal MH, **Karim K (corresponding author)**. Using VARK approach for assessing preferred learning styles of first year medical sciences students: a survey from Iran (2014). *Journal of Clinical and Diagnostic Research*, 8(8): GC01-4.
- 4- Hafezi Ahmadi MR, Yasemi M, Peyman H, **Hemati K**, Khajavikhan J, Yaghoubi M, Bimanand L. Associated factors with male infertility: a case control study (2014). *Journal of Clinical and Diagnostic Research*, 8(9): FC11-3.
- 5- Mahmoodi A, Jafarihaydarlo A, Yasemi M, **Hemati K**, Peyman H. Celiac disease prevalence in the patients with irritable bowel syndrome in the Ilam province; a cross sectional study from Western Iran (2014). *Journal of Clinical and Diagnostic Research*, 8(12): GC01-3.
- 6- Hemati K, Zaman B, Hassani V, Imani F, Dariaie P. Efficacy of fentanyl transdermal patch in the treatment of chronic soft tissue cancer pain (2015). *Anesthesiology and pain medicine*, 19;5(1): e22900.
- 7- Esfahani MR, Esfahani HR, Mahmoudi A, Johari MK, **Hemati K (corresponding author)**. Focal choroidal excavation in best vitelliform macular dystrophy: case report (2015). *Journal of clinical and diagnostic research*, 9(5): ND01-2.
- 8- Hemati K, Zadeh PR. The incidence of severe diarrhea with transdermal fentanyl patch: An uncommon event (2015). *Journal of clinical and diagnostic research*, 9(6): UD01-2.
- 9- Yasemi M, Hafezi Ahmadi MR, Peyman H, Yasemi MR, Khajavikhan J, **Hemati K (corresponding author)**. A 7-Years Retrospective Study of Gastrointestinal Cancers Incidence in the Western Iran (2015). *Journal of clinical and diagnostic research*, 9(7): EC01-5.
- 10- Imani F, **Hemati K**, Rahimzadeh P, Kazemi MR, Hejazian K. Effectiveness of stellate ganglion block under fluoroscopy or ultrasound guidance in upper extremity CRPS (2016). *Journal of clinical and diagnostic research*, 10(1): UC09-12.
- 11- Jodaki A, Sahraie A, Yasemi M, Peyman H, Yasemi MR, **Hemati K (corresponding author)**. Helicobacter pylori eradication effect on patients with functional dyspepsia symptoms (2016). *Minerva gastroenterologica e dietologica*, 62 (2): 148-154.
- 12- Hosseinzadeh A, Javad-Moosavi SA, Reiter RJ, **Hemati K**, Ghaznavi H, Mehrzadi S. Idiopathic pulmonary fibrosis (IPF) signaling pathways and protective roles of melatonin (2018). *Life sciences*, 201: 17-29.

- 13- Hatami Bavarsad Z, **Hemati K**, Sayehmiri K, Asadollahi P, Abangah G, Azizi M, Asadollahi K. Effects of breast milk on pain severity during muscular injection of hepatitis B vaccine in neonates in a teaching hospital in Iran (2018). *Archives de Pédiatrie*, 25 (6): 365-370.
- 14- **Hemati K**, Mirjalili S, Ghasemi MS, Abdollahian Y, Siroos R, Sanati P, Aghilinejad M, Dehghan N. Functional parameters, wrist posture deviations and comfort: A comparison between a computer mouse and a touch pen as input devices (2020). *Work*, 65(4): 701-706.
- 15- **Hemati K**, Amini Kadijani A, Sayehmiri F, Mehrzadi S, Zabihyeganeh M, Hosseinzadeh A, Mirzaei A. Melatonin in the treatment of fibromyalgia symptoms: A systematic review (2020). *Complementary therapies in clinical practice*, 38: 101072.
- 16- Mehrzadi S, **Hemati K**, Reiter RJ, Hosseinzadeh A. Mitochondrial dysfunction in age-related macular degeneration: melatonin as a potential treatment (2020). *Expert opinion on therapeutic targets*, 24 (4): 359-378.
- 17- Juybari KB, Pourhanifeh MH, Hosseinzadeh A, **Hemati K**, Mehrzadi S. Melatonin potentials against viral infections including COVID-19: Current evidence and new findings. *Virus research*, 2;287: 198108.
- 18- **Hemati K**, Kabir–Mokamelkhah E, Ghasemi MS, Mohseni-Ezhiye M, Aghilinejad M, Abdollahian Y, Salehi MA, Dehghan S. Ergonomic intervention to reduce musculoskeletal disorders among flour factory workers (2020). *Work*, 67(3): 611-618.
- 19- Dehdashtian E, Pourhanifeh MH, **Hemati K**, Mehrzadi S, Hosseinzadeh A. Therapeutic application of nutraceuticals in diabetic nephropathy: current evidence and future implications (2020). *Diabetes/metabolism research and reviews*, 36 (8): e3336.
- 20- Pourhanifeh MH, Hosseinzadeh A, Dehdashtian E, **Hemati K**, Mehrzadi S. Melatonin: new insights on its therapeutic properties in diabetic complications (2020). *Diabetology & metabolic syndrome*, 8 (12): 30.
- 21- Rahimzadeh P, Kashani SS, **Hemmati K**, Imani F, Salimi A, Seyed Faiz SMR. Comparison of Ultrasound-Guided Femoral and Infrapatellar Nerve Block Effects after Anterior Cruciate Ligament Repair Surgery (2020). *Iranian Red Crescent Medical Journal* 22 (12).
- 22- **Hemati K**, Karimi MY, Hosseinzadeh A, Abolmaali M, Najjar N, Aghanoori MR, Nikoui V. Induction of Analgesia Using Atorvastatin in Experimental Diabetic Neuropathy through NMDA Receptor and Inflammatory Cytokine Inhibition (2021). *Iranian Red Crescent Medical Journal* 23 (1).
- 23- **Hemati K**, Pourhanifeh MH, Dehdashtian E, Fatemi I, Mehrzadi S, Reiter RJ, Hosseinzadeh A. Melatonin and morphine: potential beneficial effects of co-use (2021). *Fundamental & clinical pharmacology*, 35 (1): 25-39.

- 24- Mehrabadi ME, Hemmati R, Tashakor A, **Hemati K**, Hosseinkhani S. Induced dysregulation of ACE2 by SARS-CoV-2 plays a key role in COVID-19 severity (2021). *Biomedicine and Pharmacotherapy*, 137: 111363.

**Full Papers published in Persian:**

- 1- **Hemati K**. CANCER REGISTRATOIN IN ILAM (2000). *JOURNAL OF ILAM UNIVERSITY OF MEDICAL SCIENCES*, 9 (26-7): 7-10.
- 2- POUR NAJAF A, NASERI FAR R, **HEMATI K (corresponding author)**. MOTHERS' KNOWLEDGE OF VACCINATING THE UNDER-5-YEARS CHILDREN IN ILAM, 2002 (2005). *JOURNAL OF ILAM UNIVERSITY OF MEDICAL SCIENCES*, 13 (2): 24-31.
- 3- **Hemati K**, Mohagheghi SMA, Mousavi JSAR, Khabaz KM. Cancer incidence in Ilam (2009). *Journal of Ilam University of Medical Sciences*, 17 (3): 24-32.
- 4- Zaman B, **Hemati K**, Hasani V, Dariaie P, Faezipour H. Comparison of the Efficacy of Transdermal Fentanyl in the Treatment of Chronic Soft Tissue Cancer Pain with Placebo in a Double Blind Randomized Clinical Trial (2009). *Razi Journal of Medical Sciences* 16.
- 5- **Hemati K**, Zaman B, Hasani VA, Daryaei P, Faezipour H. Comparison of efficacy of transdermal fentanyl patch in treatment of chronic soft tissue cancer pain with placebo in a double-blind randomized clinical trial (2009). *Journal of Ilam University of Medical Sciences*, 17 (1): 53-61.
- 6- **Hemati K**, Baharluie F, Delpisheh A, Safari M. A randomized clinical trial concerning the effect of treatment with dexamethasone on postoperative shivering (2014). *JOURNAL OF ANESTHESIOLOGY AND PAIN*, 4 (3): 38-44.
- 7- Ahmadi R, Peyman H, yaghoubi M, khajavi khan J, Yasemi M, Bimanand L, Yasemi M, **Hemati K (corresponding author)**. Risk factors Associated with ovarian masses among women of Ilam province during 2007-2009 (2014). *Scientific Journal of Ilam University of Medical Sciences*, 23 (3): 153-60.
- 8- Yasemi M, Peyman H, Khajavikhan J, Nasiri AK, Najafi F, **Hemati K**, Bimanand L. Prevalence of depression among nurses working in the operating rooms and intensive care units (2015). *Journal of Zabol University of medical sciences and health services*, 6 (4): 70-77.
- 9- Imani F, Rahimzadeh P, **Hemati K (corresponding author)**. An uncommon complication of Severe diarrhea with transdermal fentanyl patch in cancerous patients: case series (2016). *Journal of Anesthesiology and Pain*, 6 (2): 77-82.

- 10- **Hemati K**, Mehrzadi S, Bakhtiarian A, Motevalian M, Nikouei V, Foroohandeh M, Karimi MY. Miswak sticks? extract anti-inflammatory properties in carrageenan test (2019). Razi Journal of Medical Sciences, 25 (10): 38-45

#### Conferences (presentation or poster):

1. Efficacy of facet block in cervical radiculopathies, Tehran, October 2017
2. Pain control with narcotics in children with chronic disease, Tehran, May 2016
3. Application of spinal cord stimulation for refractory spinal pain (Symposium and live surgery workshop). Tehran, March 2018
4. Clinical application of neuromodulation: Radicular pain and low back pain. Tehran, Jan 2017
5. Serratus anterior block: A new method in thoracic pain management. Tehran, October 2014
6. Arthropatic pain. Tehran, October 2017

#### Workshops Attendance

- Attendance in Health Socialization Workshop, Kermanshah University of Medical Sciences, Iran, 2018
- Attendance in workshop on preliminary research methods, Iran University of Medical Sciences, Iran, 2019
- Attendance in research ethics workshop, Iran University of Medical Sciences, Iran, 2019
- Attendance in search strategy workshop, Iran University of Medical Sciences, Iran, 2019

#### Fields of Interests:

- Interventional Pain management
- Anesthesia and related fields

#### Skills:

- Interventional Disc Management (Cervical, Thoracic, Lumbar)
- Knee Pain Control (Prolotherapy, Ozon therapy)
- Cancer Pain Management
- Intractable Pain Management
- Diabetic Foot Management

#### Languages:

- Farsi: Fluent (Native)
- English: Pre-Advance

