

CURRICULUM VITAE OF DR. BABITA GHAI

PERSONAL INFORMATION:

NAME: DR. BABITA GHAI
SEX: FEMALE
DATE OF BIRTH: 27TH AUGUST 1971
NATIONALITY: INDIAN
MARITAL STATUS: MARRIED
HUSBAND NAME: DR. AKSHAY KUMAR SAXENA
MAILING ADDRESS: DEPARTMENT OF ANAESTHESIA, SECTOR-12,
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PRESENT POSITION: Professor, Deptt. of Anaesthesia and Intensive Care, Postgraduate Institute of Medical Education & Research (PGIMER), Chandigarh, India-160012

EDUCATION QUALIFICATION

| Examination passed | Year of passing | University/institution |
|---|--------------------|--|
| MBBS | 1995 | Delhi university |
| MD Anaesthesia | 1998 | Delhi university |
| DNB Anaesthesia | 1998 | National Board of Examination |
| Commonwealth Academic staff fellowship in pain management | Jan 2012-July 2012 | Barts and London NHS trust, Queens Mary University, London, UK |

WORK EXPERIENCE

| Post held | From | To | Period | Hospital/University |
|----------------------------------|------------|------------|----------------|--|
| Professor | 01.07.2014 | Continuing | | PGIMER, Chandigarh |
| Additional Professor | 01.07.2010 | 30.06.2014 | 4 years | PGIMER, Chandigarh |
| Associate Professor | 1.07.2007 | 30.06.2010 | 3years | PGIMER, Chandigarh |
| Assistant Professor | 16-12-2002 | 30.06.2007 | 4yr 6mn 15days | PGIMER, Chandigarh |
| Senior research associate | 21-09-2001 | 14-12-2002 | 1yr 2mn 24days | Through Council of Scientific and Industrial Research, at AIIMS, New Delhi |
| Senior resident | 10-08-1998 | 09-08-2001 | 3yr | AIIMS, New Delhi |
| Senior resident | 08-06-1998 | 07-08-1998 | 2mn | Lok Nayak Hospital, New Delhi |
| Junior resident (MD anaesthesia) | 02-07-1995 | 30-04-1998 | 2yr 9mn 28days | Maulana Azad Medical College, New Delhi |
| Internship | 01-01-1994 | 31-12-1994 | 1 yr | Lok Nayak and associated Hospitals, New Delhi |

IMPORTANT INTERNATIONAL POSITIONS HELD

- Sep 2018: Nominated and selected as Editorial Board member for prestigious "Pain Research Forum"** a publication of International Association for the study of Pain (IASP) at World Congress Pain, Boston Sep 2018.
- Sep 2018: Selected Editor:** Acute Pain SIG newsletter of IASP (2018-2020) at World Congress Pain, Boston Sep 2018.
- Task force member "Global year for 2018 i.e. Global Year for excellence for Education"** of IASP.

INTERNATIONAL PROFESSIONAL EXPERIENCE AND CONTRIBUTIONS

- 2017-2018:** Group member of Task force of GY 18 representing developing countries for "Global Year 2018" of IASP to Produce an evidence-based educational resource for teachers to improve educational delivery
- Dec 2016:** Authored fact sheet "Management of post surgical pain in older adults" for IASP GY 2017
- August 2017:** Authored article "Regional Anesthesia for Patients on Newer Oral Anticoagulants Undergoing Major Orthopedic Surgery: Challenges in Pain Management" for Acute Pain SIG newsletter of IASP,
- 2017:** Authored Chapter "Postoperative Pain management in older persons" for IASP book. Postoperative Pain: Science and Clinical practice. Eds: Oliver Wilder-Smith, Lars Arendt-Nielsen, David Yarnitsky, Kris CP Vissers.

10. **Sep 2016: Special invitee** for “Advancing Pain relief Education: Anchoring pain competencies around the world”, on at World Congress pain (WCP), Yokohama, Japan.
11. **Sep 2016: Chairperson** for session on “Are Perioperative Opioids Obsolete” “Making change happen: measurements driving metamorphosis” acute pain SIG satellite symposium of IASP, 25th Sep 2016, WCP, Yokohama, Japan.
12. **2014: Awarded** grant of US \$ 10,000 for by IASP under “IASP Developing Countries Project: Initiative for Improving Pain Education” for “Pain education in the graduate nursing school at a tertiary care centre in India”.
13. **August 2014: Invited Speaker and judge** at 7th **South Asian Regional Pain Society Congress**, Ahemdabad, India
14. **May 2012: Authored Chapter** for Electronic Knowledge Library (EWL) of ‘PAIN OUT’ project. Babita Ghai, Saowarat Snidvongs, Vivek Mehta, Andreas Kopf Df “Management of postoperative pain in opioid-tolerant patient
15. **March 2010: Invited international faculty:** “Analgesia for the Adult and Pediatric Multitrauma Patient” at New York School of Regional Anesthesia World Anesthesia Congress (NWAC) in **Dubai, Emirates**

AWARDS AND HONOURS

1. **6th Oct 2018:** “High Quality Research Work award” on 6th Annual Research Day, PGIMER.
2. **28th Sep 2018:** “Excellence in Pain Research award” by World Institute of Pain- India Section at Jammu
3. **28th Oct 2017:** Scroll of Fellow of National Academy of Medical Sciences (**FAMS**)” at Amritsar
4. **Feb 2018:** Scroll of “Fellow of Indian Academy of Pain Medicine (**FIAPM**)” and academic wing of Indian Society for the Study of Pain (ISSP)
5. **Sep 2017:** “High Quality Research Work award” on 5th Annual Research Day, PGIMER, Chandigarh for research work published “Vitamin D Supplementation in Patients with Chronic Low Back Pain: An Open Label, Single Arm Clinical Trial”
6. **Feb 23, 2015: “National Hindi Award” for Publishing “Back Care Booklet” in Hindi by “Ministry of Home Affairs, Govt. of India”.**
7. **17th Sep 2016:** “High Quality Research Work award” on 4th Annual Research Day, PGIMER, Chandigarh for research work published “Transforaminal versus parasagittal interlaminar epidural steroid injection in low back pain with radicular pain: a randomized, double-blind, active-control trial”
8. **March 2015:** Speaker: prestigious “TEDx Talk” on theme “Accessibility” (Journey of becoming pain physician) at Lalbahadur Shastri Institute of Management (LBSIM), New Delhi, India, 2015.
9. **Sep 2013:** “High Quality Research Work award” on 5th Annual Research Day, PGIMER, Chandigarh for research work published “Lateral parasagittal versus midline interlaminar lumbar epidural steroid injection for management of low back pain with lumbosacral radicular pain: a double-blind, randomized study”
10. **2012:** Awarded **Commonwealth Academic Staff Fellowship** in pain management at Barts and The London NHS Trust, London, UK from January 2012 to July 2012.
11. **March 2012:** “Good Clinical Practice certificate award” during research governance training. While working at Pain & Anaesthesia Research Center at St Bartholomew’s Hospital, London, UK during commonwealth fellowship in 2012
12. **Feb 2011:** third best paper award for the paper entitled “Comparison of midline and parasagittal interlaminar lumbar epidural injections of steroids under fluoroscopic guidance for the management of low back pain and radiculopathy” at the 26th annual national conference of Indian Society for study of Pain, 2011.
13. **Dec 2008:** National level Dr. Kop’s Award (citation and cash award) for paper entitled “Subtenon block compared to intravenous fentanyl for perioperative analgesia in pediatric cataract surgery” at the 56th Annual Conference of Indian Society of Anesthesiology in 2008.
14. **2008:** membership of National Academy of Medical Sciences (MAMS), by NAMS, India, in year 2008.
15. Awarded twice as AHA accredited Basic Life Support (BLS) and Advanced Cardiac Life Support (ACLS) provider 2009-2011 and 2011-2014.
16. Awarded **financial grant** of Aus \$ 1000 by International Association for Study of Pain and partial grant from DST to attend 11th World Congress on Pain at Sydney, Australia, August 21-26, 2005.
17. Awarded **financial grant** of \$ 1000 by International Association for Study of Pain and partial grant from DST to attend 12th World Congress on Pain at Glasgow, Scotland, UK, 17th -22th August 2008.
18. Awarded **financial grant** of \$ 1200 CAD by International Association for Study of Pain and partial grant from DST to attend 13th World Congress on Pain at Montreal, Canada, 29th august -2nd September 20

RESEARCH PROJECTS

FUNDED PROJECTS

| S.no. | Role | Time Period | Granting Agency | Funds | Title: |
|-------|------|-------------|--|---------------|--|
| 1 | PI | 2017-2019 | PGIMER, Chandigarh, India, (Intramural), | INR 4,00,000/ | Pulsed radiofrequency for the treatment of low back pain with radicular pain and its correlation with Quantitative Sensory Testing—a prospective, parallel group, randomized, double blind, sham controlled trial. |
| 2 | PI | 2015-2018 | Department of Science and | INR 1,10,000 | Effect of two different doses of lumbar epidural steroid injection on plasma cortisol and ACTH levels in patients with low back pain in UT Chandigarh |

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|---|-------|-----------|-----------------|----------------|--|
| 3 | Co-PI | 2018-2021 | ICMR, New Delhi | INR 20,00,000/ | A community study to assess the prevalence, knowledge and disability regarding low back pain among North Indian population |
|---|-------|-----------|-----------------|----------------|--|

UNFUNDED PROJECTS

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|-------|--------------------|-----------|---|---|
| 3.no. | PI | 2015-2017 | PGIMER, Chandigarh | Assessment of prevalence of neuropathic pain component & its impact on disability, quality of life & healthcare utilization in patients with chronic low back pain. |
| 1 | Co-PI | 2015-2017 | PGIMER, Chandigarh | Comparison of intraperitoneal nebulisation of ropivacaine with ropivacaine-fentanyl combination for pain control following laparoscopic cholecystectomy: A randomized, double-blind, placebo controlled trial |
| 2 | Co-guide (PHD) | 2012-2016 | PGIMER, Chandigarh and NIPER, Mohali, India | Assessment of diagnostic accuracy of various symptomatic neuropathic pain scales in identifying neuropathic pain component in various chronic non-cancer pain conditions |
| 3 | Co-guide (PHD) | 2014-2017 | PGIMER, Chandigarh and NIPER, Mohali, India | Economic evaluation of pharmacotherapeutic intervention for management of chronic low back pain associated with neuropathic pain: North Indian perspective |
| 4 | Co-guide (Mpahrma) | 2011-2015 | PGIMER, Chandigarh and NIPER, Mohali, India | Prescribing pattern, tolerance and its impact on quality of life in patients with chronic low back pain |
| 5 | Co-guide (Mpahrma) | 2013-2015 | PGIMER, Chandigarh and NIPER, Mohali, India | Diagnostic accuracy of neuropathic pain assessment criteria in chronic pain conditions: An evidence-based approach |

PI=principal investigator, Co-PI=Co Principal investigator

LIST OF PUBLICATIONS OF LAST FIVE YEARS

PEER REVIEWED INDEXED JOURNAL PUBLICATIONS

- Ghai B, Dhiman D, Loganathan S. Extended duration pulsed radiofrequency for the management of refractory meralgia paresthetica: a series of five cases. *Korean J Pain*. 2018;31: 215-220.
- Ghai B, Bansal D, Abdul AJ. In Response to Huhn et al RE: Hypothalamic Pituitary Adrenocortical Axis Suppression Following a Single Epidural Injection of Methylprednisolone Acetate: Review, Patient Safety and Clinical Care. *Pain Physician*. 2018 May;21(3):E288. PubMed PMID: 29871385.
- Bhatia N, Mehta S, Saini V, Ghai B, Kaman L. Comparison of Intraperitoneal Nebulization of Ropivacaine with Ropivacaine-Fentanyl Combination for Pain Control Following Laparoscopic Cholecystectomy: A Randomized, Double-Blind, Placebo-Controlled Trial. *J Laparoendosc Adv Surg Tech A*. 2018 Jul;28(7):839-844.
- Ghai B, Bansal D, Abdul AJ. In Response to Huhn et al RE: Hypothalamic Pituitary Adrenocortical Axis Suppression Following a Single Epidural Injection of Methylprednisolone Acetate: Review, Patient Safety and Clinical Care. *Pain Physician*. 2018; 21: E288.
- Jain S, Sethi S, **Ghai B**, Ram J. Effect of dexmedetomidine on emergence agitation using desflurane in pediatric cataract surgery. *Saudi J Anaesth*. 2018; 12: 28-34.
- Abdul AJ, **Ghai B**, Bansal D, Sachdeva N, Bhansali A, Dhatt SS. Hypothalamic Pituitary Adrenocortical Axis Suppression following a Single Epidural Injection of Methylprednisolone Acetate. *Pain Physician*. 2017; 20: E991-E1001.
- Gudala K, **Ghai B**, Bansal D. Hindi version of short form of douleur neuropathique 4 (S-DN4) questionnaire for assessment of neuropathic pain component: a cross-cultural validation study. *Korean J Pain*. 2017; 30: 197-206
- Gudala K, Bansal D, Vatte R, **Ghai B**, Schifano F, Boya C. High Prevalence of Neuropathic Pain Component in Patients with Low Back Pain: Evidence from Meta-Analysis. *Pain Physician*. 2017; 20: 343-352.
- Mehta V, Snidvongs S, **Ghai B**, Langford R, Wodehouse T. Characterization of peripheral and central sensitization after dorsal root ganglion intervention in patients with unilateral lumbosacral radicular pain: a prospective pilot study. *Br J Anaesth*. 2017; 118: 924-931
- Ghai B, Ahuja N. Newer anticoagulants and their impact on interventional pain procedures. *Indian J Pain* 2017;31:9-12
- Gudala K, **Ghai B**, Bansal D. Neuropathic Pain Assessment with the pain DETECT Questionnaire: Cross-Cultural Adaptation and Psychometric Evaluation to Hindi. *Pain Pract*. 2017
- Gudala K, **Ghai B**, Bansal D. Usefulness of four commonly used neuropathic pain screening questionnaires in patients with chronic low back pain: a cross-sectional study. *Korean J Pain*. 2017; 30: 51-58.
- Bansal D, Gudala K, Lavudiya S, **Ghai B**, Arora P. Reply to Ayubi and Colleagues on "Translation, Adaptation, and Validation of Hindi Version of the Pain Catastrophizing Scale: Statistical Issues of Confirmatory Factor Analysis to Avoid Misinterpretation". *Pain Med*. 2017; 18: 391.
- Ghai B**, Bansal D, Kanukula R, Gudala K, Sachdeva N, Dhatt SS, Kumar V. Vitamin D Supplementation in Patients with Chronic Low Back Pain: An Open Label, Single Arm Clinical Trial. *Pain Physician*. 2017; 20: E99-E105.
- Jain D, **Ghai B**, Gandhi K, Banerjee G, Bala I, Samujh R. Evaluation of I-Gel™ size 2 airway in different degrees of neck flexion in anesthetized children – a prospective, self-controlled trial. *Paediatr Anaesth*. 2016; 26: 1126-1141

21. **Ghai B**, Bansal D, Kapil G, Kanukula R, Lavudiya S, Sachdeva N. High Prevalence of Hypovitaminosis D in Indian Chronic Low Back Patients. *Pain Physician*. 2015;18: E853-62.
22. Jain D, **Ghai B**, Bala I, Gandhi K, Banerjee G. Evaluation of I-gel™ airway in different head and neck positions in anesthetized paralyzed children. *Paediatr Anaesth*. 2015; 25:1248-53.
23. **Ghai B**, Bansal D, Dhath SS. Response: Authors' Reply to Adding Particulate or Non-Particulate Steroids to the Local Anesthetics When Performing Parasagittal Interlaminar Epidural Injections. *Pain Physician*. 2015;18: E665.
24. **Ghai B**, Sethi S, Bansal D, Ram J. Optimum sevoflurane concentration for I-gel insertion in unpremedicated children. *J Clin Anesth*. 2015; 27: 627-31.
25. **Ghai B**, Kumar K, Bansal D, Dhath SS, Kanukula R, Batra YK. Effectiveness of Parasagittal Interlaminar Epidural Local Anesthetic with or without Steroid in Chronic Lumbosacral Pain: A Randomized, Double-Blind Clinical Trial. *Pain Physician*. 2015; 18: 237-48.
26. Sethi S, **Ghai B**, Bansal D, Ram J. Effective dose 50 of desflurane for laryngeal mask airway removal in anaesthetized children in cataract surgeries with subtenon block. *Saudi J Anaesth*. 2015; 9: 27-32
27. Bhatia N, **Ghai B**, Mangal K, Wig J, Mukherjee KK. Effect of intramucosal infiltration of different concentrations of adrenaline on hemodynamics during transsphenoidal surgery. *J Anaesthesiol Clin Pharmacol*. 2014; 30: 520-5.
28. Kapil G, Bansal D, **Ghai B**. Missing values in patient reported outcomes: assessment of disability in patients with low back pain. *Pain Physician*. 2014; 17: E661-2.
29. **Ghai B**, Bansal D, Kay JP, Vadaje KS, Wig J. Transforaminal versus parasagittal interlaminar epidural steroid injection in low back pain with radicular pain: a randomized, double-blind, active-control trial. *Pain Physician* 2014; 17: 277-90.
30. **Ghai B**, Bansal D, Hota D, Shah CS. Off-label, low-dose naltrexone for refractory chronic low back pain. *Pain Med*. 2014; 15: 883-4.
31. Kanukula R, Gudala K, Bansal D, **Ghai B**. Comment on: the effect of vitamin D on non-specific low back pain. *Int J Rheum Dis*. *Int J Rheum Dis*. 2014; 17: 820-21.
32. Savla JR, **Ghai B**, Bansal D, Wig J. Effect of intranasal dexmedetomidine or oral midazolam premedication on sevoflurane EC50 for successful laryngeal mask airway placement in children: a randomized, double-blind, placebo-controlled trial. *Paediatr Anaesth* 2014; 24: 433–439.
33. **Ghai B**, Jain K, Bansal D, Wig J. End-tidal concentrations of sevoflurane and desflurane for ProSeal laryngeal mask airway removal in anaesthetised adults. *Eur J Anaesthesiol* 2014; 31: 274-9.
34. **Ghai B**, Vadaje KS, Wig J, Dhillon MS. In response. *Anesth Analg*. 2014; 118: 236-7.
35. Rudroju N, Bansal D, Talakokkula ST, Gudala K, Hota D, Bhansali A, **Ghai B**. Comparative efficacy and safety of six antidepressants and anticonvulsants in painful diabetic neuropathy: a network meta-analysis. *Pain Physician* 2013; 16: E705-14. **(Impact factor 10.869)**
36. Sethi S, **Ghai B**, Ram J, Wig J. Postoperative emergence delirium in pediatric patients undergoing cataract surgery - a comparison of desflurane and sevoflurane. *Paediatr Anaesth* 2013; 23: 1131-7.
37. Makkar JK, **Ghai B**, Wig J. Minimum alveolar concentration of desflurane with caudal analgesia for laryngeal mask airway removal in anesthetized children. *Paediatr Anaesth* 2013; 23: 1010-4.
38. Sethi S, **Ghai B**, Sen I, Ram J, Wig J. Efficacy of subtenon block in infants – a comparison with intravenous fentanyl for perioperative analgesia in infantile cataract surgery. *Pediatr Anaesth* 2013; 23: 1015-20.
39. **Ghai B**, Vadaje KS, Wig J, Dhillon MS. Lateral parasagittal versus midline interlaminar lumbar epidural steroid injection for management of low back pain with lumbosacral radicular pain: a double-blind, randomized study. *Anesth Analg*. 2013; 117: 219-27.
40. Jain A, **Ghai B**, Jain K, Makkar JK, Mangal K, Sampley S. Severe autonomic dysreflexia induced cardiac arrest under isoflurane anesthesia in a patient with lower thoracic spine injury. *J Anaesthesiol Clin Pharmacol*. 2013; 29: 241-3.
41. **Ghai B**, Sethi S, Ram J, Wig J. Cuff filling volumes for pediatric classic laryngeal mask airways: comparison of clinical end points versus adjusted cuff pressure. *Paediatr Anaesth* 2013; 23: 122-6.
42. **Babita Ghai**, Ram Krishnamoorthy, Dipika Bansal, Vanita Suri, Rajesh Vijayvergiya, Jyotsna Wig. Efficacy and safety of combined spinal: Epidural versus epidural technique for labor analgesia in parturients with rheumatic valvular heart disease. *Indian Journal of Pain*. 2013; 27: 80-85.
43. **Babita Ghai**, Dipika Bansal, Shyam KS Thingnam. Long-term safety and efficacy of intralesional injection of triamcinolone acetonide for sternal keloid pain and pruritis: A double-blind comparison of two concentrations. *Indian Journal of Pain*. 2013; 27: 86-91.
44. Bansal S, Dhingra S, **Ghai B**, Gupta AK. Metallic stents for proximal tracheal stenosis: is it worth the risk? Case Report. *Otolaryngol* 2012. doi: 10.1155/2012/450304
45. Arora S, **Ghai B**, Rattan V. Anesthetic management of a child with Seckel syndrome for multiple extractions and restoration of teeth. *J Anaesthesiol Clin Pharmacol*. 2012; 28: 398-9.
46. Makkar JK, **Ghai B**, Bhardwaj N, Wig J. Minimum alveolar concentration of desflurane with fentanyl for laryngeal mask airway removal in anesthetized children. *Paediatr Anaesth*. 2012; 22: 335-40.
47. Lal A, Singhal M, Narasimhan KL, Mahajan JK, Singh JK, **Ghai B**, Khandelwal N. Percutaneous retrieval of coiled double-J stent from renal pelvis after Anderson-Hynes pyeloplasty: Report of two cases. *J Pediatr Urol*.

53. **Ghai B**, Wig J. Comparison of different techniques of laryngeal mask placement in children. **Curr Opin Anaesthesiol** 2009; 22: 400-4.
54. **Ghai B**, Ram J, Makkar JK, Wig J, Kaushik S. Subtenon block compared to intravenous fentanyl for perioperative analgesia in pediatric cataract surgery. **Anesth Analg** 2009; 108: 1132-8.
55. **Ghai B**, Makkar JK, Chari P, Rao KL. Addition of midazolam to continuous postoperative epidural bupivacaine infusion reduces requirement for rescue analgesia in children undergoing upper abdominal and flank surgery. **J Clin Anesth** 2009; 21: 113-9.
56. Singh JK, Bawa M, Kanojia RP, **Ghai B**, Menon P, Rao KL. Idiopathic simultaneous intussusceptions in a neonate. **Pediatr Surg Int** 2009; 25: 445-7.
57. Behera BK, Puri GD, **Ghai B**. Patient-controlled epidural analgesia with fentanyl and bupivacaine provides better analgesia than intravenous morphine patient-controlled analgesia for early thoracotomy pain. **J Postgrad Med**. 2008; 54: 86-90
58. Singh J, Rana SS, Sharma R, **Ghai B**, Puri GD. A rare cause of hypertension in children: intrathoracic pheochromocytoma. **Pediatr Surg Int**. 2008; 24: 865-7.
59. Wig J, **Ghai B**, Makkar JK. Emergency Anaesthesia for Unprepared Patients: A Review. **Indian Journal of Anaesthesia** 2008; 52: 676-87.
60. **Ghai B**, Makkar JK, Wig J. Postoperative pain assessment in preverbal children and children with cognitive impairment. **Paediatr Anaesth**. 2008; 18: 462-77.
61. **Ghai B**, Makkar JK, Bhardwaj N, Wig J. Laryngeal mask airway insertion in children: comparison between rotational, lateral and standard technique. **Paediatr Anaesth**. 2008; 18: 308-12.
62. **Ghai B**, Makkar JK, Malhotra S, Wig J, Manjunath V. Postoperative cardiovascular instability caused by malfunctioning ventilatory dual knob. **Paediatr Anaesth**. 2008; 18: 85-6.
63. Bhardwaj N, Yaddanapudi S, **Ghai B**, Wig J. Neostigmine does not prolong the duration of analgesia produced by caudal bupivacaine in children undergoing urethroplasty. **J Postgrad Med**. 2007; 53: 161-5.
64. **Ghai B**, Makkar JK, Behra BK Rao KP. Is a drop in baseline heart rate a reliable predictor of a successful single shot caudal epidural in children? **Paediatr Anaesth** 2007; 17: 552-6.
65. **Ghai B**, Makkar JK, Bakshi J, Rana SS, Singh RS, Bhagat S. Survival of a child without any sequelae after tracheoarterial fistula. **Paediatr Anaesth** 2007; 17: 588-91
66. **Ghai B**, Saxena AK, Makkar JK. A guide to reducing citation errors in bibliographies. **Emerg Med J**. 2007; 24: 232-3.
67. **Ghai B**, Wig J, Gupta V. Intraoperative severe anaphylaxis due to gelofusine during a neurosurgical procedure. **Anesth Analg** 2007; 104: 238.
68. Makkar JK, **Ghai B**, Kumar M, Kumar S. Infection of a congenital epidural dermoid cyst secondary to lumbar puncture. **Anesth Analg**. 2007; 104: 227-8.
69. **Ghai B**, Makkar JK, Wig J. Neuromuscular Monitoring: A Review. **J Anaesth Clin Pharmacol** 2006; 22: 347-356.
70. **Ghai B**, Panda N, Makkar JK, Saxena AK. Pediatric computed tomographic scan with anesthesia: what the anesthesiologist should know. **Anesth Analg** 2006; 103: 1623.
71. **Ghai B**, Makkar JK, Arora S. Intraoperative cardiac arrest because of oculocardiac reflex and subsequent pulmonary edema in a patient with extraocular cysticercosis. **Paediatr Anaesth** 2006; 16: 1194-5.
72. **Ghai B**, Vayjnath AM, Lal S. Acute pulmonary oedema following oxytocin administration: a life threatening complication. **J Indian Med Assoc**. 2006; 104: 26-2.
73. Saxena AK, **Ghai B**, Makkar JK. Patient's consent for publication of case report: need for developing a universal consent form. **Arch Dis Child**. 2006 ; 91: 717
74. **Ghai B**, Makkar JK, Bhatia A. Hypercarbia and arrhythmias resulting from faulty Bain circuit: a report of two cases. **Anesth Analg**. 2006;102:1903-4
75. Bala I, Gupta B, Bhardwaj N, **Ghai B**, Khosla VK. Effect of scalp block on postoperative pain relief in craniotomy patients. **Anaesth Intensive Care**. 2006; 34:224-7.
76. Chari P, **Ghai B**. Comparison of butorphanol and thiopentone vs fentanyl and thiopentone for laryngeal mask airway insertion. **J Clin Anesth**. 2006; 18: 8-11.
77. Bala I, **Ghai B**, Kumar A, Pratap M. Bilateral pupillary dilatation after intracisternal papaverine application. **Anesth Analg**. 2006; 102:965.
78. **Ghai B**, Makkar JK. Preventing the kinking of sampling tube of capnography apparatus. **Paediatr Anaesth**. 2005; 15: 1146-7.
79. **Ghai B**, Makkar JK. An unusual cause of faulty Tec 7 vaporizer. **Anesth Analg**. 2005; 101:1890-1.
80. **Ghai B**, Bala I, Bhardwaj N. Caudal block. **Paediatr Anaesth**. 2005;15: 902-3.
81. **Ghai B**, Grandhe RP, Kumar A, Chari P. Comparative evaluation of midazolam and ketamine with midazolam alone as oral premedication. **Paediatr Anaesth**. 2005; 15:554-9.
82. **Ghai B**, Saxena AK. Patient's consent for publication. **Anaesthesia**. 2005;60:289
83. **Ghai B**, Naik A, Rupal S, Madan R. Toe gangrene in an infant subsequent to use of pulse oximeter for short duration. **Anesth Analg**. 2005; 100:602.
84. **Ghai B**, Dureja GP. Complex regional pain syndrome: a review. **J Postgrad Med**. 2004; 50:300-7.
85. **Ghai B**, Dureja GP, Arvind P. Massive intraabdominal extravasation of fluid: a life threatening complication