

AKSHAY PRATAP SINGH CHAUHAN, MD, MCH
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EDUCATION

Dr M.G.R Medical University, Tamil Nadu, India
MBBS
Passed with Distinction

All India Institute of Medical Sciences, New Delhi, India
Honors Thesis: N-myc amplification in neuroblastoma

University of Tennessee, Memphis, Tennessee, USA
Solid organ transplant fellowship

University of Colorado, Denver, Colorado, USA
General Surgery Residency

University of Nebraska Medical Center, Omaha, USA
Advanced GI, Minimal Invasive, Bariatric Surgery Fellowship

LICENCESURE

United States Medical Licensing Examination

Step I (93 percentile)
Step II (92 percentile)
Step III (76percentile)

ECFMG Certificate # 0-706-801-8

12/03/2007

Registered Medical Practitioner # 3218, TN Medical Council, India

Dec 1995

Permanent Nebraska Medical License

Jan 2016, NE 29023

Permanent Colorado Medical License

Jul 2017, DR. 0058908

American Board of Surgery eligible

Jul 2016

TEACHING EXPERIENCE

B.P Koirala Institute of Health Sciences, Dharan, Nepal
Assistant Professor in Pediatric Surgery

2004-2007

[Developed syllabus and overall course structure, and administered all grades.]

Assistant Professor, Gastrointestinal, Trauma and Endocrine Surgery

2017

University of Colorado, Aurora, Colorado

AWARDS

- i. **U.C Chakraborty**” Young scientist award for the year 2002, Indian Association of Pediatric Surgeons.
- ii. **Best poster awarded at the World Congress of Pediatric Surgeons, New Delhi, 2006.**
- iii. **Poster of Distinction Award:** ASTS Winter Symposium 2011, Holly Wood, Florida, USA. *Short term preconditioning with hedgehog inhibitor protects cholestatic liver form ischemia reperfusion injury: Hope for marginal livers.*
- iv. **International Surgical Jeopardy winner.** ACS meeting Washington DC 2013
- v. **J Cuthbert Owens Award** for excellence in Teaching and Patient care, University of Colorado July 2014
- vi. **Best Resident Teacher Applegate Award, University of Colorado, June 2016**
- vii. **Chief Administrative Resident 2014-2016**

PUBLICATIONS AND PAPERS

1. **Akshay Pratap**, Dmitry Oleynikov, Vishal Kothari. Real Time ultrasound guided insertion of Veress needle: A step closer to safer laparoscopy. Accepted in Annals Royal College of Surgeons.
2. **Pratap A**, Fleming JB, Barnett CC Jr .Right hemicolectomy using ileocecal pedicel flap-a new technique for ileocecal sphincter preservation in complex Crohn's disease with right sided colon cancer. Int J Colorectal Dis. 2016 May 27. [Epub ahead of print].
3. Sharma N, **Pratap A**, Bajpai M. Rectal pouch index: a prognostic indicator for constipation after surgery for high and intermediate anorectal malformations.Eur J Pediatr Surg. 2014 Aug;24(4):332-6. doi: 10.1055/s-0033-1347296. Epub 2013 May 17.
4. **Pratap A**, Singh S, Mundra V, Yang N, Panakanti R, Eason JD, Mahato RI. Attenuation of early liver fibrosis by pharmacological inhibition of smoothed receptor signaling. J Drug Target. 2012 Nov;20(9):770-82. doi: 10.3109/1061186X.2012.719900. Epub 2012 Sep 20.
5. **Pratap A**, Panakanti R, Yang N, Lakshmi R, Modanlou KA, Eason JD, Mahato RI. Cyclopamine attenuates acute warm ischemia reperfusion injury in cholestatic rat liver: hope for marginal livers. Mol Pharm. 2011 Jun 6;8(3):958-68. doi: 10.1021/mp200115v. Epub 2011 May 6.
6. Panakanti R, **Pratap A**, Yang N, Jackson JS, Mahato RI. Triplex forming oligonucleotides against type $\alpha 1(I)$ collagen attenuates liver fibrosis induced by bile duct ligation. Biochem Pharmacol. 2010 Dec 1;80(11):1718-26. Epub 2010 Sep 9.

7. **Pratap A**, Panakanti R, Yang N, Eason JD, Mahato RI. Inhibition of endogenous hedgehog signaling protects against acute liver injury after ischemia reperfusion. *Pharm Res.* 2010 Nov;27(11):2492-504. Epub 2010 Aug 25.
8. **Pratap A**, Bhatta NK, Singh S, Pandey S, Agrawal A, Yadav R, Paudel G, Lakshmi R. Delayed presentation of congenital pulmonary airway malformation type 4 mimicking lobar emphysema. *Pediatr Int.* 2008 Jun; 50(3):400-2.
9. **Pratap A, Tiwari A**, Sah BP, Sinha AK, Shakya VC, Niels KG. Infected retroperitoneal cystic lymphangioma masquerading as psoas abscess. *Urol Int.* 2008; 80(3):325-7; discussion 328. Epub 2008 May 14
10. Agrawal A, Kumar A, Agrawal CS, **Pratap A**. One year of neurosurgery in the eastern region of Nepal. *Surg Neurol.* 2008 Jun; 69(6):652-6.
11. Sen R, **Pratap A**, Agrawal A, Adhikary S, Pandey SR. Isolated accessory limb of lower eyelid with multiple dermal appendages. *Singapore Med J.* 2008 Apr; 49(4):e93-5.
12. **Pratap A**, Yadav RP, Bajracharya A, Agrawal A, Bhatta N, Agrawal CS. Intrauterine omphalic ileal entrapment as an unusual cause of ileal Atresia: Report of a case. *Surg Today.* 2008 Feb; 38(2):141-143. Epub 2008 Feb 1.
13. Agrawal CS, **Pratap A**. Pediatric inguinal hernia: Controversies and decision making. *Nepal Med Coll J.* 2007 Sep;9(3):199-203
14. **Pratap A**, Gupta DK, Shakya VC, Adhikary S, Tiwari A. Analysis of problems, complications, avoidance and management with transanal pull through for Hirschsprung's disease. *J Pediatr Surg.* 2007 Nov;42(11):1869-76
15. Agrawal A, **Pratap A**, Agrawal CS, Kumar A, Rupakheti S. Transorbital orbitocranial penetrating injury (TOPI) due to cycle brake handle in a child. *Pediatr Neurosurg.* 2007;43(6):498-500
16. **Pratap A**, Tiwari A, Kumar A, Adhikary S, Singh SN, Paudel BH, Bartaula R, Mishra B. Sphincter saving anorectoplasty (SSARP) for the reconstruction of Anorectal malformations. *BMC Surg.* 2007 Sep 24;7(1):20
17. **Pratap A**, Nepal P, Agrawal A, Singh MP, Pandey SR. Giant malignant nerve sheath tumor of lumbosacral plexus with intraspinal extension in a child with neurofibromatosis type1. *Pediatr Neurosurg.* 2007;43(5):410-3.
18. Agrawal A, **Pratap A**, Sinha AK, Agrawal B, Thapa A, Bajracharya T. Epidermoid cyst of anterior fontanelle with clear contents. *Surg Neurol.* 2007 Sep;68(3):313-5.
19. **Pratap A**, Agrawal CS, Kumar A, Bhatta NK, Agrawal B, Tiwari A, Adhikary S. Modified Posterior Sagittal Transanorectal Approach in Repair of Urogenital Sinus Anomalies. *Urology.* 2007 Aug 2; epub ahead of print.

20. **Pratap A**, Agrawal A, Bhatta N, Shakya VC. Congenital unilateral lower lip palsy and eventration of diaphragm. *Singapore Med J.* 2007 Aug;48(8):e209-11.
21. **Pratap A**, Yadav RP, Shakya VC, Agrawal CS, Singh SN, Sen R. One-stage Correction of Rectovestibular Fistula by Transfistula Anorectoplasty (TFARP). *World J Surg.* 2007 Sep;31(9):1894-7.
22. Agrawal A, **Pratap A**, Singh I, Kumar A, Shrestha S. Cerebellar Abscess following Mastoidectomy for Chronic Otitis Media. *Pediatr Neurosurg.* 2007;43(4):327-9.
23. **Pratap A**, Saha GS, Bhattarai BK, Yadav RP, Nepal A, Bajracharya A, Kumar A, Adhikary S. Tracheal agenesis type B: further evidence to a lethal congenital tracheal malformation. *J Pediatr Surg.* 2007 Jul;42(7):1284-7.
24. **Pratap A**, Gupta DK, Agrawal CS, Pandit RK, Adhikary S, Kumar A, Tiwari A, Singh SN. Complex urethral disruptions: in pursuit of a successful reconstruction. *Int J Urol.* 2007 Mar;14(3):198-202.
25. **Pratap A**, Tiwari A, Agarwal B, Pandey SR, Paudel G, Kumar A. Inflammatory myofibroblastic tumor of the abdominal wall simulating rhabdomyosarcoma: report of a case. *Surg Today.* 2007;37(4):352-5. Epub 2007 Mar 26.
26. **Pratap A**, Agrawal A, Raja S, Khaniya S, Tiwari A, Kumar A. Fryns syndrome: a lethal mesoectodermal birth defect with variable expression in a pair of monozygotic twins. *Singapore Med J.* 2007 Apr;48(4):e106-8.
27. **Pratap A**, Tiwari A, Shakya VC, Yadav RP, Agarwal B, Koirala S, Shekhar Agrawal C, Adhikary S, Kumar A, Agrawal A. Doppler study of splanchnic hemodynamics in Hirschsprung's disease. *Eur Surg Res.* 2007;39(3):148-52.
28. **Pratap A**, Tiwari A, Pandey S, Yadav RP, Agrawal A, Sah BP, Bajracharya T, Ghimere A. Ganglioneuroma of small bowel mesentery presenting as acute abdomen. *J Pediatr Surg.* 2007 Mar;42(3):573-5.
29. **Pratap A**, Shakya VC, Biswas BK, Sinha A, Tiwari A, Agrawal CS, Adhikary S. Single-stage transanal endorectal pull-through for Hirschsprung's disease: perspective from a developing country. *J Pediatr Surg.* 2007 Mar;42(3):532-5.
30. **Pratap A**, Kaur N, Shakya VC, Sapkota G, Tanveer-ur Rahman S, Biswas BK, Agrawal CS, Adhikary S. Triple tube therapy: a novel enteral feeding technique for short bowel syndrome in low-income countries. *J Pediatr Surg.* 2007 Mar;42(3):470-3.
31. Sharma U, Pal K, **Pratap A**, Gupta DK, Jagannathan NR. Potential of proton magnetic resonance spectroscopy in the evaluation of patients with tethered cord syndrome following surgery. *J Neurosurg.* 2006 Nov;105(5 Suppl):396-402.

32. **Pratap A**, Agrawal A, Tiwari A, Lakshmi R, Rajbanshi S. The Walker-Warburg syndrome with cleft lip and palate. *Singapore Med J.* 2007 Feb;48(2):e66-7.
33. **Pratap A**, Gupta DK, Tiwari A, Sinha AK, Bhatta N, Singh SN, Agrawal CS, Kumar A, Adhikary S. Application of a plain abdominal radiograph transition zone (PARTZ) in Hirschsprung's disease. *BMC Pediatr.* 2007 Jan 27;7:5.
34. Tiwari A, Agrawal A, **Pratap A**, Lakshmi R, Narad R. Apert syndrome with septum pellucidum agenesis. *Singapore Med J.* 2007 Feb;48(2):e62-5.
35. **Pratap A**, Tiwari A, Sinha AK, Kumar A, Khaniya S, Agarwal RK, Shakya VC. Nonfamilial juvenile polyposis coli manifesting as massive lower gastrointestinal hemorrhage: report of two cases. *Surg Today.* 2007;37(1):46-9. Epub 2007 Jan 1.
36. **Pratap A**, Agrawal CS, Pandit RK, Sapkota G, Anchal N. Factors contributing to a successful outcome of combined abdominal transpubic perineal urethroplasty for complex posterior urethral disruptions. *J Urol.* 2006 Dec;176(6 Pt 1):2514-7; discussion 2517.
37. **Pratap A**, Tiwari A, Anchal N, Agrawal CS, Shreshta P, Shakya VC. Falciform ligament abscess with portal pyemia in a newborn. *J Pediatr Surg.* 2006 Aug;41(8):1473-5.
38. Agrawal CS, **Pratap A**. Current concepts and controversies in undescended testes. *Nepal Med Coll J.* 2006 Mar;8(1):54-8.
39. **Pratap A**, Tiwari A, Agrawal CS, Kaur N, Kumar M, Shreshta P, Singh SN. Gastric outlet obstruction: an unusual complication of umbilical vein catheterization. *J Pediatr Gastroenterol Nutr.* 2006 Jul;43(1):113-5.
40. **Pratap A**, Agrawal CS, Tiwari A, Bhattarai BK, Pandit RK, Anchal N. Complex posterior urethral disruptions: management by combined abdominal transpubic perineal urethroplasty. *J Urol.* 2006 May;175(5):1751-4; discussion 1754.
41. **Pratap A**, Tiwari A, Agrawal CS, Shreshta P, Anchal N, Shakya VC. Antral mucosal valve: a rare cause of gastric outlet obstruction in newborn. *J Pediatr Surg.* 2006 Apr;41(4):856-8.
42. Pal K, Sharma U, Gupta DK, **Pratap A**, Jagannathan NR. Metabolite profile of cerebrospinal fluid in patients with spina bifida: a proton magnetic resonance spectroscopy study. *Spine.* 2005 Feb 1;30(3):E68-72.
43. Bajpai M, **Pratap A**, Tripathi M, Bal CS. Posterior urethral valves: preliminary observations on the significance of plasma Renin activity as a prognostic marker. *J Urol.* 2005 Feb;173(2):592-4.
44. Bajpai M, **Pratap A**, Somitesh C, Tyagi J. Angiotensin converting enzyme gene polymorphism in Asian Indian children with congenital uropathies. *J Urol.* 2004 Feb;171(2 Pt 1):838-40.

45. **Pratap A**, Srinivas M, Hentok P, Bal CS, Bhatnagar V. Evaluation of cerebral vascular reserve by single photon emission tomography in children with congenital hydrocephalus. *Eur J Pediatr Surg*. 2003 Apr;13(2):87-91.
46. Agrawal A, Dutta R, Kumari N, Kumar B, **Pratap A**, Kumar A. Mechanical Block of Shunt Chamber Due to Fungal Growth in an Immunocompetent Child. *Infectious diseases in clinical practice*. 2007, May; 15(3):192-193.
47. Agrawal A, **Pratap A**, Bhatta N. Suboccipital Pyogenic Abscess Masquerading Meningitis. *Infectious Diseases in Clinical Practice*. 2007, Jul; 15(4):290-291.
48. **Pratap A**, Singh SN, Bhatta N, Agrawal A. Delayed presentation of congenital pulmonary airway malformation type 4 mimicking lobar emphysema. *Pediatrics International*. Pub Status: Accepted.
49. Agarwal A, **Pratap A**, Kumar A. (2007, July 1). Orbital cellulitis and paranasal sinusitis with intracranial subgaleal extention following trivial fall. *African Journal of Pediatric Surgery*. 3, 75-76.
50. **Pratap A**, Gupta DK, Subrata Sinha. (2002, March 1). Detection of N-myc amplification by polymerase chain reaction in neuroblastoma. *J Indian Association of Pediatric Surgeons*. 7, 166-173.
51. Thapa M, Bhushan Jha CB, **Pratap A**, Thapa GB. (2006, March 1). Sex chromosome aneuploidy (Klinefelter syndrome) analyzed by cytogenetic test: A case report. *Nepal Journal of Obstetrics and Gynaecology*. 1, 64-66.

BOOK CHAPTERS

- Akshay Pratap**, Dmitry Oleynikov (2017). Gastric Ulcer. In *Surgical Decision Making*, McIntyre (Eds.).
- Bria Meyer, **Akshay Pratap**, Jonathan Schoen (2017). Obesity. In *Surgical Decision Making*, McIntyre (Eds.).
- Gupta DK, **Pratap Akshay**. (2006). Tumors in intersex disorders. In Gupta DK, Carachi R. (Eds.), *Pediatric Oncology*. (pp.112-119). New Delhi, AA Jaypee Publishers.
- Akshay Pratap**, Shilpa Sharma, Gupta DK. (2008). Vaginal Anomalies and reconstruction. In Gupta D.K (Ed.), *Pediatric Surgery diagnosis and management*. (pp.1387-1403). New Delhi, AA: Jaypee Publishers.
- Pratap Akshay**, Gupta DK. (2001). Fluid and Electrolyte Management. In Gupta D.K(Ed.), *Neonatal Surgery*. (pp.119-133). New Delhi, AA: Jaypee Publications.

REVIEWER IN INTERNTIONAL PEER REVIEWED JOURNALS

Journal of Pediatric Surgery, Indianapolis, USA

World Journal of Surgery, Ann Arbor, USA

Journal of Urology, USA

Journal of Genital System & Disorders

Journal of Neurosciences in Rural Practice

Food and Chemical Toxicology

Gold Journal of Urology

ABSTRACTS AND MEETING PRESENTATIONS

1. Armijo P, **Pratap A**, McBride C, Kothari V, Oleynikov D. (2017) Drains use for bariatric surgical procedures is associated with increased complications and prolonged length of stay: a Metabolic and Bariatric Surgery Accreditation and Quality Improvement Program analysis. Poster Presentation. American Society of Metabolic and Bariatric Surgery, Washington D.C.
2. Armijo P, **Pratap A**, Lomelin D, Grams B, Oleynikov D. (2017) Can post-op urinary retention be prevented: prospective database review. Oral Presentation. American Hernia Society, Cancun, Mexico.
3. **Pratap A**, Armijo P, Oleynikov D. (2017) Absorbable and Biological Mesh Augmentation. Invited Presentation. American Hernia Society, Cancun, Mexico.
4. Garay-Romero R, **Pratap A**, Krause C, Oleynikov D, Nelson C. (2017) Tool exchanger for modular robotic surgical tools. Poster Presentation. Society of American Gastrointestinal and Endoscopic Surgeons, Houston, TX.
5. Armijo P, **Pratap A**, Wang Yi, Oleynikov D. (2017) Robotic Ventral Hernia Repair is Not Superior to Laparoscopic; A national data base review. Podium Presentation. Society of American Gastrointestinal and Endoscopic Surgeons, Houston, TX.
6. **Akshay Pratap et al.** *Inhibition of Hedgehog signaling with Vismodegib(GDC 0449) significantly improves graft function and mortality following steatotic liver transplantation in Zucker rats.* ASTS Winter Symposium 2016, Florida, Miami
7. **Akshay Pratap**, James D Eason et al. *Inhibition of liver Fibrosis by smoothed antagonist.* ASTS Winter Symposium 20 11, Holly Wood, Florida, USA.
8. **Akshay Pratap**, James D Eason et al. *Short term preconditioning with hedgehog inhibitor protects cholestatic liver form ischemia reperfusion injury: Hope for marginal livers.* Poster presentation. ASTS Winter Symposium 2011, Holly Wood, Florida, USA.
9. **Akshay Pratap**, Srinivas M, Hentok Phom, Bal CS, Bhatnagar V. (2001, November). *Cerebrovascular reserve evaluated by acetazolamide challenge is a useful adjunct in management of Congenital Hydrocephalus.* Poster presented at: Indian Association of Pediatric Surgeons; Trivandrum, India.
10. **Akshay Pratap.** (2002, September). *Alveolar bone grafting in orofacial defects.* Poster presented at: Indian Association of Pediatric Surgeons; Gujarat, India.

11. **Akshay Pratap.** (2006, November). *Application of plain radiograph transition zone in Hirschsprung's disease.* Poster presented at: Asian Association of Pediatric Surgeons; New Delhi, India. Akshay Pratap.
12. **Akshay Pratap** (2006, November). *Hemodynamics of splanchnic vessels in Hirschsprung's disease.* Poster presented at: Asian Association of Pediatric Surgeons; New Delhi, India.
13. **Akshay Pratap** (2006, November). *Triple tube therapy: A novel enteral feeding technique for short bowel syndrome in poor countries.* Poster presented at: Asian Association of Pediatric Surgeons; New Delhi, India
14. **Akshay Pratap.** (2005, March). *Detection of loss of heterozygosity in p53 gene in urine of patients with bladder prostate rhabdomyosarcoma using polymerase chain reaction.* Poster presented at: European Pediatric Surgery Association; Gdansk, Poland. Akshay Pratap.
15. **Akshay Pratap** (2005, March). *Long segment posterior urethral disruptions managed by transpubic urethroplasty.* Poster presented at: European Pediatric Surgery Association; Gdzansk, Poland.
16. **Akshay Pratap, Bhatnagar V.** (2002, September). *Doxorubicin and Spermatogenesis - Beneficial effects of Leuprolide and antioxidants..* Poster presented at: Indian Association of Pediatric Surgeons; Gujarat, India.
17. **Akshay Pratap, Minu Bajpai, AK Gupta..** (2001, November). *A study on Rectal Pouch Index in etiology of constipation after PSARP.* Poster presented at: Indian Association of Pediatric Surgeons; Trivandrum, India.
18. **Akshay Pratap, Minu Bajpai, M Mathur.** (2001, November). *Enzymohistochemical evaluation of rectum in children with constipation after PSARP.* Poster presented at: Indian Association of Pediatric Surgeons; Trivandrum, India.
19. **Akshay Pratap, Minu Bajpai, Meera Mathur.** (2001, November). *Evaluation of constipation after PSARP and its correlation with manometry and histopathology of the neorectum.* Poster presented at: Indian Association of Pediatric Surgeons; Trivandrum, India.
20. **Akshay Pratap, V Bhatnagar.** (2002, September). *Congenital malformations associated with biliary atresia.* Poster presented at: Indian Association of Pediatric Surgeons; Gujarat, India.
21. **Akshay Pratap, V Bhatnagar.** (2002, September). *Gastro electrographic evaluations in patients with Gastric Pull up.* Poster presented at: Indian Association of Pediatric Surgeons; Gujarat, India.
22. **Akshay Pratap, V Bhatnagar.** (2002, September). *Injection sclerotherapy in external vascular malformations using THROMBOVAR.* Poster presented at: Indian Association of Pediatric Surgeons; Gujarat, India.

23. **Akshay Pratap**, V Bhatnagar. (2002, September). *Doppler ultrasound for evaluation of intracranial pressure in hydrocephalus*. Poster presented at: Indian Association of Pediatric Surgeons; Gujarat, India.

LANGUAGES

Hindi- native language

English- Speak fluently and read/write with high proficiency

Nepalese- Speak fluently and read/write with high proficiency

MEMBERSHIPS

American Society of Transplant Surgeons (ASTS)

Society of American Gastroenterology Surgeons (SAGES)