

EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of the Department: **Department of Radiology**
2. Year of establishment : 1971
3. Is the Department part of a college/Faculty of the university? : **Yes Faculty of Medical Sciences , University of Delhi**
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)
UG Courses- MBBS , B.Sc.(MT) Radiography
PG Courses - MD (Radiology.), M.Sc. Radiography (MIT)
Ph.D.
5. Interdisciplinary programs and departments involved: **NIL**
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
7. Details of programs discontinued, if any, with reasons **Nil**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Both annual and Semester
9. Participation of the department in the courses offered by other departments **Nil**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others): **Both UCMS & CHS faculty included**

Post	Sanctioned	Filled	Actual(including CAS ,MPS & CHS)
Director Professor	There are total 6 teaching posts in Radiodiagnosis from UCMS Side and 4 from CHS side 1 teaching post post of Radiological physics from UCMS side		01
Professor			02
Associate Professor/Reader			02
Assistant Professor			00
Lecturer			00
Tutor / Clinical Instructor/		Specialist -01 Physicist	00 00

Post	Sanctioned	Filled	Actual(including CAS ,MPS & CHS)
Director Professor	There are total 6 teaching posts in		01
Professor			02
		-02	
Senior Resident	14	10	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr Lalendra Upreti	MD DNB	Director Professor &Head	Radiology	24
Dr Gopesh Mehrotra	MD	Professor	Radiology	26
Dr Vinita Rathi	MD	Professor	Radiology	22
Dr Shuchi Bhatt	MD	Associate Professor	Radiology	18
Dr Anupama Tandon	MD	Associate Professor	Radiology	16
Dr Natasha Gupta	DMRD	Specialist	Radiology	12
Dr A.K. Srivastava	Ph.D.	Physicist	Radiological Physics	19
Mr. Mohit Kumar	M.Sc. DRP	Physicist	Radiological Physics	03

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors **Nil**

13. Percentage of classes taken by temporary faculty – program-wise information **Nil**

14. Program-wise Student Teacher Ratio

UG: MBBS - 30:1

B.Sc. - 45:0

PG- MD - 03:01

M.Sc. - 10:0

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual (**01 Technical supervisor + 45 Radiographer**)
16. Research thrust areas as recognized by major funding agencies:
Clinical Radiology, Radiological physics, Radiation dosimetry

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.
 - a) National funding agency: AERB- 2 faculty
 - b) International: Nil
 - c) Total grant: Approx 8 lacs
Funding agency: Atomic Energy Regulatory Board (AERB) Mumbai.
Project title: Leukocyte DNA damage as a biomarker for radiation exposure of patients undergoing MDCT
18. Inter-institutional collaborative projects and associated grants received **Nil**
 - a) National collaboration b) International collaboration
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: One project
Total grant: Approx 8 lacs
Funding agency: Atomic Energy Regulatory Board(AERB) Mumbai
20. Research facility / centre with
 - state recognition NIL
 - national recognition NIL
 - international recognition NIL
21. Special research laboratories sponsored by / created by industry or corporate bodies **Nil**
22. Publications:

- * Number of papers published in peer reviewed journals (national / international) List attached faculty wise: TOTAL: 139 (Annexure -1)
- * Monographs Nil
- * Chapters in Books list attached TOTAL: 38 (Annexure-2)
- * Books edited **02 (Annexure -3)**
- * Books with ISBN with details of publishers **Nil**
- * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.) Nil
- * Citation Index – range / list attached : TOTAL: Seven
- * SNIP: NIL __
- * SJR NIL
- * Impact Factor – range / average 2.5
- * h-index NIL

23. Details of patents and income generated **Nil**

24. Areas of consultancy and income generated **Nil**

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad **Nil**

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (specify)

Dr L. Upreti

Joint Editor of Indian Journal of Radiology and Imaging

President elect of Delhi state Chapter of Indian Radiological and Imaging association

National co ordinate for resident education for Indian Radiological and Imaging association

MEMBERSHIP OF PROFESSIONAL BODIES of Dr L. Upreti

1. Indian Radiological and Imaging Association
2. Indian College of Radiology and Imaging
3. Indian Society of Neuro Radiology
4. Indian Society of Pediatric Radiology
5. Fellow of Indian College of Radiology and Imaging
6. Radiological Society of North America

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). Yes National Teachers training Program organized by Ministry of Health (Govt of India)

28. Student projects

- percentage of students who have taken up in-house projects including inter-departmental projects Total -05 List attached)Annexure -4)
- percentage of students doing projects in collaboration with other universities / industry / institute NIL

29. Awards / recognitions received at the national and international level by

- Faculty list attached
- Doctoral / post doctoral fellows NIL
- Students 05 list attached

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.NIL

31. Code of ethics for research followed by the departments Yes

32. Student profile program-wise: To be filled by the college

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female

33. Diversity of students To be filled by the college

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. One

35. Student progression

Student progression	Percentage against enrolled
UG to PG	MBBS: To be filled by the college BSC to MSC: 07%
PG to M.Phil, DM / M Ch / DNB	DNB
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	Campus recruitment - N/A Other- 100%
Entrepreneurs	None

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	50%
from other universities within the State	00
from universities from other States	50%
from universities outside the country	00

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library ---**Yes, intradepartmental library** as well as college library

b) Internet facilities for staff and students- **Yes**

c) Total number of class rooms: **one**

d) Class rooms with ICT facility and 'smart' class rooms NO

e) Students' laboratories Yes

f) Research laboratories NO

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university Nil

b) from other institutions/universities One

40. Number of post graduate students getting financial assistance from the university.

NIL

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology. Nil
42. Does the department obtain feedback from
 - a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
 - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? No
 - c. alumni and employers on the programs offered and how does the department utilize the feedback? No
43. List the distinguished alumni of the department (maximum 10) NIL
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts. Nil
45. List the teaching methods adopted by the faculty for different programs including clinical teaching. Black board as well as PPT
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? Through Regular Internal assessment
47. Highlight the participation of students and faculty in extension activities. NO
48. Give details of “beyond syllabus scholarly activities” of the department. No
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details. No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. NO

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

i) Major Strengths :

- i. highly trained & Dedicated faculty and Officers
- ii. Robust and comprehensive training program for undergraduate and post students despite crunch of teaching faculty post to be filled
research is mainly based on variety of patients available as being 1500 bedded hospital

ii) Weaknesses :

- i. sanctioned post lying vacant so have to manage with limited faculty

gross infrastructure deficit

- ii. Non-availability of some equipment like MRI mammography
- iii. Outdated X-Ray and fluoroscopic Units

iii) Opportunities and Challenges :

- i. With the existing infrastructure and facilities, the department is in a position to uplift the radiological services to cater the need of this only government Medical College in east Delhi

52. Future plans of the department. :

- a. To acquire
 - (a) 3 Tesla MRI one Unit,
 - b) Digital Radiography Units 1000 MA -03 Units
 - c) CT unit having 128 slice
 - d) Digital radio fluoroscopic unit
 - e) Digital Mammography unit
 - f) Digital OPG unit
 - g) Setting up of Radiology department in proposed emergency and trauma block

4. Declaration by the Head of the Institution

I certify that that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Signature of the Head of the institution
with seal:

Place:

Date:

LIST OF PUBLICATIONS FOR THE LAST FIVE YEARS

Dr L. UPRETI

1. Imaging for Diagnosis of Foreign Body Aspiration in Children? **Upreti L**, Gupta N. Indian Pediatr. 2015 ; 52(8):659-60.
2. **Upreti L**, Dev A, Kumar Puri S. Imaging in renal lymphangiectasia: report of two cases and review of literature. Clin Radiol. 2008 ;63:1057-62.
3. **Upreti L**, Bhargava SK, Kumar A. Imaging of primary leiomyosarcoma of the seminal vesicle. Australas Radiol 2003, Mar;47(1):70-2
4. **Upreti L**, Bhargava SK, Gupta R, Jain S. Diagnosis of lumbar hernia by computed tomography. Ind J Radiol Imag 2002; 12:4:582-583
5. **Upreti L**, Kumar S, Bhargava SK, Rathi V, Gupta R. Papillary cystic neoplasm of the pancreas. IJRI 2001; 11(3): 153-155
6. **Upreti L**, Kumar S, Bhargava SK, Kumar A., Congenital perineal hernia and role of imaging in diagnosis. IJRI 2001; 11(4): 217-218
7. Extensive osteolytic skull base amyloidoma simulating malignancy: A rare pseudotumor producing a diagnostic dilemma. Agrawal M, Batra VV, Majumdar K, **Upreti L**, Singh D. J Cancer Res Ther. 2015;11(3):646.
8. Choledochal cyst of the cystic duct: Report of imaging findings in three cases and review of literature. Sethi S, **Upreti L**, Verma AK, Puri SK.. Indian J Radiol Imaging. 2015 Jul-Sep;25(3):315-20.
9. High resolution computed tomography in stapedial otosclerosis. Priya SR, Singh PP, **Upreti L**, Vaid L. Indian J Otolaryngol Head Neck Surg. 2013;65(Suppl 3):505-11
10. Gallstone abscess: some drops may end up costlier! Venugopal V, Puri SK, Kapoor AK, **Upreti L**. Indian J Gastroenterol. 2014 ;33(2):197.
11. Singh S, Agarwal S, Dutta N, Mishra S, **Upreti L**, Satsangi DK. Surgical repair of a submitral aneurysm in a three-year-old child. J Card Surg. 2012;27(2):238-40.

12. Arora A, Puri SK, Kapoor A, **Upreti L**, Aggarwal A. Gastrocele due to concomitant distal esophageal and antral stricture following corrosive ingestion. *Trop Gastroenterol*. 2011 Jul-Sep;32(3):244-6
13. Bano S, Puri SK, **Upreti L**, Chaudhry V, Sant HK, Gondal R. Gastrointestinal Stromal Tumors(GISTs) : an imaging perspective. *Jpn J Radiol*. 2012 Feb;30(2):105-15
14. Bano S, **Upreti L**, Puri SK, Chaudhary V, Sakuja P. Imaging of pancreatic serous cystadenocarcinoma . *Jpn J Radiol*. 2011 Dec;29:730-4
15. Dutta N, Agarwal S, **Upreti L**, Satsangi DK. Extensive local spread of rhabdomyosarcoma. *J Card Surg*. 2011;26(3):294.
16. Khante V, Agarwal S, Satyarthi S, **Upreti L**, Satsangi DK. Compression of the left main coronary artery by a pulmonary artery aneurysm in a patient with tetralogy of Fallot and an absent pulmonary valve. *J Card Surg*. 2011;26(3):330-2.
17. Kapoor AK, Puri SK, Arora A, **Upreti L**, Puri AS. Case report: Filariasis presenting as an intra-abdominal cyst. *Indian J Radiol Imaging* 2011; 21:18-20
18. Mohta AR, **Upreti L** : Cecoureterocele : *Indian Pediatrics* 2010 ;47(6) : 522-23
19. Dev A, **Upreti L**, Puri S, Mittal MK. Webgroups: A way of facilitating web-based professional interaction - Initial experience at the IRIA, Delhi state branch. *IJRI* 2008; 18(3): 264
20. Dev A, **Upreti L**, Puri SK. Gamut of radiological findings in pulmonary aspergillosis. *Journal of PG Medical Education Training and Research*.2008 Vol3(.No4): 64-67
21. Rai P, Setia S, Kalra N, **Upreti L**. Intramuscular vascular malformation of the masseter muscle presenting with turkey wattle sign. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod*. 2006 Nov;102(5):618. Epub 2006 Aug 4.
22. Mohta A, **Upreti L**, Jagdish S. Umbilicobiliary fistula in a neonate. *Pediatr Radiol*. 2006 May;36(5):432-3.
23. Jain S, Bhargava SK, **Upreti L**, Mohta A. Inflammatory myofibroblastic tumor of sigmoid mesocolon. . *Ind J Radiol Imag* 2004; 14:1:103-104
24. Gupta R, **Upreti L**, Bhargava SK, Jain S, Shikha D. Images : Prenatal sonographic features of meconium peritonitis. *Ind J Radiol Imag* 2004; 14:3:261-264
25. Sharma D, Gupta A, Jain BK, Agarwal V, Dargan P, **Upreti L**, Arora V. Tuberculous gastric perforation : report of a case. *Surg Today* 2004; 34(6): 537-541

26. Mohta A, Shrivastava UK, Sodhi P, **Upreti L**. Fetus in fetu. *Pediatr Surg Int* 2003;19: 499-500
27. Bhargava SK, Agarwal N, **Upreti L**, Mehrotra G, Kumar A. Sonographic appearances of leprous nerve abscess. . *Ultrasound International* 2003; 9: 21-24
28. Kumar A, Bhargava SK, **Upreti L**, Kumar A. Disseminated osteoblastic skeletal metastases from carcinoma of gall bladder- a case report. *Ind J Radiol Imag* 2003; 13:1:37-39
29. Jain S, **Upreti L**, Bhargava SK, Gupta R, Gupta PK. Mesenteric lymphangioma: diagnosis by multislice spiral CT. *Ind J Radiol Imag* 2002; 12:4:580-582
30. Bhargava N, **Upreti L**, Bhargava SK, Jain S. Case Report : Antenatal ultrasound diagnosis of multiple pterygium syndrome. *Ind J Radiol Imag* 2002; 12:4:555-558
31. Kumar A, **Upreti L**, Bhargava SK, Gupta S. Sonographic demonstration of a pancreatopleural fistula. *J Clin Ultrasound* 2002; 30(8): 503-505
32. Gupta R, **Upreti L**, Kumar A, Bhargava SK. Prenatal diagnosis of meckel gruber syndrome with atypical manifestations. *Ultrasound International* 2002; 8: 57-61
33. Gupta R, **Upreti L**, Bhargava SK, Deepshikha. Radiological Quiz- Abdomen : Renal replacement lipomatosis. *Ind J Radiol Imag* 2002; 12:1:117-119
34. Seth N, **Upreti L**, Bhargava SK. Prenatal diagnosis of hydrometrocolpos with postnatal follow up. *Ultrasound International* 2001; 7: 120-123
35. High resolution computed tomography in stapedial otosclerosis. Priya SR, Singh PP, **Upreti L**, Vaid L. *Indian J Otolaryngol Head Neck Surg.* 2013;65(Suppl 3):505-11
36. Gallstone abscess: some drops may end up costlier! Venugopal V, Puri SK, Kapoor AK, **Upreti L**. *Indian J Gastroenterol.* 2014; 33(2):197.
37. Singh S, Agarwal S, Dutta N, Mishra S, **Upreti L**, Satasngi DK. Surgical repair of a submitral aneurysm in a three-year-old child. *J Card Surg.* 2012;27(2):238-40.
38. Arora A, Puri SK, Kapoor A, **Upreti L**, Aggarwal A. Gastrocele due to concomitant distal esophageal and antral stricture following corrosive ingestion. *Trop Gastroenterol.* 2011 Jul-Sep;32(3):244-6
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40. Bano S, **Upreti L**, Puri SK, Chaudhary V, Sakuja P. Imaging of pancreatic serous cystadenocarcinoma . Jpn J Radiol. 2011 Dec;29:730-4
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42. Khante V, Agarwal S, Satyarthi S, Upreti L, Satsangi DK. Compression of the left main coronary artery by a pulmonary artery aneurysm in a patient with tetralogy of Fallot and an absent pulmonary valve. J Card Surg. 2011;26(3):330-2.
43. Kapoor AK, Puri SK, Arora A, **Upreti L**, Puri AS. Case report: Filariasis presenting as an intra-abdominal cyst. Indian J Radiol Imaging 2011; 21:18-20
44. Mohta AR, **Upreti L** : Cecoureterocele : Indian Pediatrics 2010 ;47(6) : 522-23

Dr GOPESH MEHROTRA

1. Hema Mittal, Sunita Rai, Dheeraj Shah, S V Madhu, Gopesh Mehrotra, Rajeev Kumar Malhotra, Piyush Gupta Departments of Pediatrics, *Endocrinology, Radiology and Biostatistics; University College of Medical Sciences, Dilshad Garden, New Delhi 110 095, India Correspondence to: Professor Piyush Gupta, Block R6A, Dilshad Garden, New Delhi 110 095, India. prof.piyush.gupta@gmail.com.
2. IqbalSingh, GopeshMehrotra, ManinderS Jaura, Vivek Agarwal, Anupama Tandon, Mohit Joshi Department of Surgery (Div of Urology), University College of Medical Sciences (University of Delhi) and GTB Hospital, Delhi, India. Virtual cystoscopy (pneumo-cystoscopy)-Its utility in the prospective evaluation of bladder tumor. Indian J Urol Indian J Urol 2012 Apr;28(2):164-8
3. Iqbal Singh, Mohit Joshi, Gopesh Mehrotra Department of Surgery, UCMS and GTBH, New Delhi, India. iqbalsinghp@yahoo.co.uk Spontaneous renal forniceal rupture due to advanced cervical carcinoma with obstructive uropathy. Arch Gynecol Obstet 2009 Jun 29;279(6):915-8. Epub 2008 Oct 29.
4. Ajai K Srivastava, Gopesh Mehrotra, Satish K Bhargava, Sunil Agarwal, Rajendra P Tripathi Department of Radiology, University College of Medical Sciences, (University of Delhi) and Associated GTB Hospital, Dilshad Garden, Delhi - 110 095, India. Studies on the time course of apparent diffusion coefficient and signal intensities on T2- and diffusion-weighted MR Imaging in acute cerebral ischemic stroke. J Med Phys 2008 Oct;33(4):162-70
5. Gajender Singh Ranga, Om Prakash Kalra, Himanshu Tandon, Jasvinder Kaur Gambhir, Gopesh Mehrotra Department of Medicine, University College of Medical Sciences (University of Delhi) and Guru Teg Bahadur Hospital, Delhi, India. gajenderranga@rediffmail.com Effect of aspirin on lipoprotein(a) in patients with ischemic stroke. J Stroke Cerebrovasc Dis 2007 Sep-Oct;16(5):220-4
6. Iqbal Singh, Gopesh Mehrotra Department of Surgery (Division of Urology), University College of Medical Sciences, University of Delhi and GTB Hospital, Delhi, India. iqbalsinghp@yahoo.co.uk Selective ablation of symptomatic dominant renal cysts using 99% ethanol in adult polycystic kidney disease.rology Urology 2006 Sep;68(3):482-7; discussion 487-8

Dr Vinita

1. R VINITA, MD, J B KUMAR, MS, G P KUMAR, MS and S ABHISHEK, DMRD University College of Medical Sciences and Guru Teg Bahadur Hospital Dilshad Garden, Delhi 110095, India An unusual case of duodenal breaking CASE OF THE MONTH *The British Journal of Radiology*, 000 (2012), 1-5
2. Amit Gupta,¹ Athiko L. Noba,¹ Sweety Gupta,² Vinod K. Arora,³ Vinita Rathi,⁴ Sunil Kumar, Papillary Cystadenocarcinoma of Ovary Presenting as Obstructive Jaundice: A Rare Presentation *Oman Medical Journal* Volume 27 issue 2 March 2012
3. Rathi Vinita, 2Yadav Poonam Pseudoaneurysm of Internal Iliac Artery Causing Hematuria in a Case of Metastatic Choriocarcinoma A case report *The Journal of Obstetrics and Gynecology of India* May / June 2011 pg 330-332.
4. Rathi V, Agarwal M. Ultrasonography: Special situations .*Advances in Obstetrics and Gynecology* Vol 3 2011 Ed Mehta S, Rajaram S, Goel N jaypee brothers medical publishers

Dr SHUCHI BHATT

1. Mohanty D, Garg P, Jain B, Bhatt S. Male *urethral diverticulum* having multiple stones. *Academic Journal | Annals of Medical and Health Sciences Research*. 2014; 4 (7): 53.
2. Kumari R, Thingujam U, Bhargava SK, Bhatt S, Tandon A, Bhargava S, Gupta S. Xanthogranulomatous Cholecystitis: Imaging Spectrum. *Journal International Medical Sciences Academy*. 2014; 27(3):150-151.
3. Avasthi R, Sharma A, Ranga GS, Bhatt S, Banerjee BD. Antihypertensive effect of rosuvastatin in normocholesterolemic hypertensive patients and its association with flow mediated dilation and oxidative stress. Indian Heart Journal. 2014; 66 (2): 91-92
4. Rathi V, Agrawal S, Bhatt S, Sharma N . Ureteral Dilatation with No Apparent Cause on Intravenous Urography: Normal or Abnormal? A Pilot Study. *Advances in Urology*. 2015: 6 pages
5. Sharma R, Aggarwal AN, Bhatt S, Kumar S, Bhargava SK. Outcome of low level lasers versus ultrasonic therapy in de Quervain's tenosynovitis. *Indian Journal of Orthopedics*. 2015; 49 (5) : 542-548.
6. Bhatt S, Rajpal N, Rathi V, Avasthi R. Contrast Induced Nephropathy with Intravenous Iodinated Contrast Media in Routine Diagnostic Imaging - An Initial Experience in a Tertiary Care Hospital. (Accepted in *Radiology Research And Practice-Pubmed journal*)
7. Gupta S, Bhatt S, Bhargava SK. Ultrasonography of Ulnar Nerve Abscess- A case report and review of literature. In *JIMSA*

8. Tandon A, Bhargava SK, Gupta A, Bhatt S. Spontaneous transmural migration of retained surgical textile into both small and large bowel: a rare cause of intestinal obstruction. *British Journal of Radiology* 2009; (82): 72-75.
- 9 Rastogi R, Bhargava S K, Bhatt S, Bhargava S. Computed Tomography diagnosis of chronic Gastric Volvulus. *Journal of International Medical Science Academy* 2009; 22 (2): 93
- 10 Garg PK, Prasad D, Agrawal V, Bhatt S, Mohanty D, Dubey I. Abdominoscrotal hydrocele: an insight into its origin. *Hernia.* 2010; 3(2):75-81
11. Tyagi A, Behl N, Dey D, Bhatt S, Sethi A K. Esophageal Foreign Body Masquerading as Myocardial Infarction with Atrioventricular Block. *Anaesthesia & Analgesia.* 2010; 110 (2):2641-642
12. Mehndiratta S, Suneja A, Gupta B, Bhatt S. Fetotoxicity of warfarin anticoagulation. *Arch Gynecol Obstet.* 2010 ;282(3):335-7.
13. Singh A P, Dhammi I K , Jain A K, Bhatt S. Extra-skeletal juxta-articular chondroma of the knee. *Acta Orthop traumatol ;* 2010 45(2): 130-134
14. Garg P K, Bhatt S, Kashyap S, George A, Jain A K. Genital filariasis masquerading as testicular torsion. *J Vector Borne Dis* 48, June 2011, 119-121
15. Dewan P, Faridi MM, Singhal R, Arora SK, Rathi V, Bhatt S, Aggarwal SK. Meconium peritonitis presenting as abdominal calcification: three cases with different pathology. *Ann Trop Paediatr.* 2011;31(2):163-7.
16. Singh I, Bishnoi I, Agarwal V, Bhatt S. Prospective randomized clinical trial comparing phytotherapy with potassium citrate in management of minimal burden (<8 mm) nephrolithiasis. *Urol Ann,* 2011;3(2):75-81.
17. Tandon A, Jain B, Grover C, Pandhi D, Bhatt S. Infantile Hemangioendothelioma of the Parotid Gland: A Sonographic Diagnosis. *Journal of Diagnostic Medical Sonography.* 2011; 27: 131-
18. Mohta M, Ophrii L E, Agarwal D, Bhatt S, Sethi A K, Chilkoti G. Vocal cord palsy: an unusual complication of paravertebral block. - Case Report *Anaesth Intensive Care.* 2011; 39(5): 969-71.
19. Intraductal papilloma of extraglandular segment of stensen's duct: A sonographic diagnosis and pathological correlation. *Journal of Diagnostic Medical Sonography.* December 16, 2011; jdm.sagepub.com/content/early/2011/.../8756479311431306
20. Radiography and sonography of clubfoot: A comparative study. Bhargava SK, Tandon A, Prakash M, Arora S, Bhatt S, Bhargava S. *Indian Journal of Orthopaedics .* 46(2):229-35.
21. Garg PK, Jain BK, Kumar A, Bhatt S, Vibhav V. Fat-poor Angiomyolipoma with lymphadenopathy: Diagnostic Dilemma. *Urology Annals.* 2012; 4(2): 126-129.
22. Rashmi Salhotra, Chhavi Sharma, Asha Tyagi, Surendra Kumar, AK Sethi, Shuchi Bhatt An unanticipated difficult airway in Lesch-Nyhan syndrome *Journal of Anaesthesiology Clinical Pharmacology;* April-June 2012: 28 (2)
23. Amit Kumar Verma, Shuchi Bhatt. Pulmonary Tuberculosis Presenting as a Vanishing Tumor of Lung: An Unknown Presentation *International Journal of Clinical Case Reports* 2013, Vol.3, No.4
24. Anupama Tandon, Thingujam Usha, Satish K Bhargava, Shuchi Bhatt, Sumeet Bhargava, Meenakshi Prakash, Aggrwal Anupkumar Durgadas. Resolution of Gallstone Ileus with Spontaneous Evacuation of Gallstone: A Case Report. *Indian Journal of Surgery.* June 2013, Volume 75, Issue 3, pp 228-231

Publications Dr Anupama Tandon

Peer reviewed journals (after 2009): 24 publications

1. Jitendra Balesa¹, Vinita rathi¹, Sunil Kumar² and Anupama Tandon¹. Chest Sonography in the Diagnosis of Pneumothorax. The Indian Journal of Chest disease and allied Sciences. 2015;57:7-11.
2. Biswajit Mishra¹, Anupama Tandon¹, Neelam Wadhwa², Gopesh Mehrotra¹, Shuchi Bhatt¹, Shalini Rajaram³. Well differentiated papillary carcinoma of thyroid presenting as metastatic liver mass. The Turkish Journal of Ear Nose and Throat. 2015.
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Dr A.K. SRIVATAVA

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2. Srivastava Ajai,Tyagi Mohit, Kaushik Chanchal Estimation of effective doses in digital radiographic examination using dose ara Product Abract published at Annual Conference of Medical Physics held in Trivandrum between November 19-21 November 2015
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Annexure -2

CHAPTERS IN BOOKS RELATED TO RADIOLOGY

Dr L.Upreti

1. Upreti L, Bhargava SK, Jain S, Gupta R Mohta A . Pediatric Gastrointestinal Tract : In *Diagnostic Radiology and Imaging* ; 2nd Edition; Eds. Subbarao K, Banerjee S, Aggarwal SK, Bhargava SK.Jaypee Brothers Medical publishers (P) Ltd. New Delhi.1225-1240

2. Bhargava SK, Upreti L, Jain A, Gupta L. Pediatric Genitourinary System : In Diagnostic Radiology and Imaging ; 2nd Edition; Eds. Subbarao K, Banerjee S, Aggarwal SK, Bhargava SK. Jaypee Brothers Medical publishers (P) Ltd. New Delhi. 1241-1264
3. Bhargava SK Upreti L, Jain S, Gupta R. Pediatric Abdominal masses --- Imaging : In Diagnostic Radiology and Imaging ; 2nd Edition; Eds. Subbarao K, Banerjee S, Aggarwal SK, Bhargava SK. Jaypee Brothers Medical publishers (P) Ltd. New Delhi. 1265-1278
4. Rathi V, Upreti L, Bhargava SK. Medicolegal Aspects In Radiology : In Diagnostic Radiology and Imaging ; 2nd Edition; Eds. Subbarao K, Banerjee S, Aggarwal SK, Bhargava SK. Jaypee Brothers Medical publishers (P) Ltd. New Delhi. 1431-1453
5. Upreti L, Vashisht GP, Bhargava SK, Yadav A. Colour Doppler Of Small Parts : In , Text Book of Colour Doppler Imaging (First Edition 2003) ; Ed. Bhargava SK Jaypee Brothers Medical publishers (P) Ltd. New Delhi. 154-168
6. Upreti L, Bhargava SK, Jain S, Doppler Imaging of The peripheral Arteries : In , Text Book of Colour Doppler Imaging (First Edition 2003) ; Ed. Bhargava SK Jaypee Brothers Medical publishers (P) Ltd. New Delhi. 169-178
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8. Srivastava AK, Bhargava SK, Upreti L, Pushkarna R, Gupta R . Magnetic resonance Imaging . In , Text Book of Radiology for residents and technicians Doppler Imaging (Second Edition 2001) ; Ed. Bhargava SK CBS Publishers & Distributors, New Delhi. 309-343

Dr Vinita

Rathi V, Srivastava H. Imaging. in Practical Manual of Obstetrics & Gynecology for PG examination Editors Neerja Goel, Sumita Mehta, Shalini rajaram, Himshweta Srivastava Jaypee Brothers Medical Publishers (P) Ltd. First edition 2009 273-283.

Dr. Shuchi Bhatt

BOOKS

1. Principles and Practice of Ultrasonography; Editor -- Prof S.K. Bhargava; Publisher: Jaypee Brothers; 2002
As Author : 9 chapters

2. Text Book of Color Doppler Imaging; Editor -- Prof S.K. Bhargava; Publisher: Jaypee Brothers; 2003
As Author : 4 chapters
3. Diagnostic Radiology and Imaging; Editor - Kakarla Subbarao, Samir Banerjee, Sudarshan K. Aggarwal, Satish K Bhargava; Publisher - Jaypee Brothers; 2003
As Author: 1 chapter
4. Radiological Procedures; Editor -- Prof S.K. Bhargava; Publisher: Peepee Brothers; 2004
As Author: 1 chapter
5. Step-by-Step Ultrasound; Editor -- Prof S.K. Bhargava; Publisher: Peepee Brothers; 2004
As Author: 2 chapters
6. Radiological Differential Diagnosis; Editor -- Prof S.K. Bhargava; Publisher: Jaypee Brothers; 2005
As Author: 2 chapters
7. *Ultrasound Differential Diagnosis; Editor - Prof S.K. Bhargava; Publisher: Jaypee Brothers; 2005*
As Author: 3 chapters
8. Radiological Signs and Syndromes; Editor - Prof S.K. Bhargava; Publisher: Peepee Brothers; 2005
As Author: 5 chapters
9. CT Differential Diagnosis; Editor -- Prof S.K. Bhargava; Publishers: Jaypee Brothers; 2006
As Author: 1 chapter
10. CT & MRI Protocols-A Practical Approach; Editor-Prof S.K. Bhargava; Publisher: Peepee Brothers; 2006
As Author: 1 chapter
11. Text Book of Radiology and Imaging; Editor - Prof S.K. Bhargava; Publishers -CBS; 2007
As Author: 1 chapter

Dr Anupama Tandon

Contributed multiple **chapters** in **three** books on Radiology & Imaging-

1. *CT Differential Diagnosis*, Ed: Bhargava SK, Jaypee Brothers Medical Publishers (P) Ltd. 2006 – **1 chapter**.
 - Musculoskeletal system (pages 447-527)
 - A) Bony lesions
 - B) Rib lesions
 - C) Skull and jaw lesions
 - D) Bony spinal lesions
 - E) Arthritis
 - F) Soft tissue lesions

2. *CT & MRI Protocol – A Practical Approach*, Ed: Bhargava SK, Peepee Publishers & distributors (P) Ltd 2006. – **10 chapter**

Section I- Computed Tomography(CT)- 6 chapters

- 1) Thorax (pages 38-52)
- 2) Cardiac (53-63)
- 3) Abdomen (64-90)
- 4) Musculoskeletal (91-107)
- 5) Special considerations in pediatric imaging (108-109)
- 6) CT guided interventions (110-112)

Section II – Magnetic Resonance Imaging (MRI)- 4 chapters

- 7) Brain & skull (pages 119-154)
- 8) Neck (155- 161)
- 9) Cardiac (173-175)
- 10) Abdomen (176-198)

3. *“Seminars in Radiology”* Ed: Bhargava SK, Peepee Publishers & distributors (P) Ltd - **19 chapters**

Central nervous system and spine:

- 1) Intraventricular masses
- 2) Sellar and suprasellar masses
- 3) Hydrocephalus
- 4) Cavernous angioma
- 5) Intracranial metastasis
- 6) Cyst with mural nodule
- 7) Paraplegia
- 8) Spinal dysraphism

Respiratory system:

- 9) Pulmonary cavity
- 10) Bronchiectasis
- 11) Pneumoconiosis
- 12) Carcinoma lung

Gastro-intestinal system:

- 13) Bowel perforation
- 14) Mesenteric lesions
- 15) Mesenteric ischemia

Genito-urinary system:

- 16) Congenital anomalies of urinary tract
- 17) Bladder outflow obstruction

Musculoskeletal system:

- 18) Rib lesions
- 19) Muscle tumors

B.

Contributed multiple **chapters** in **three** books on Radiology & Imaging-

4. *“Seminars in Radiology”* Ed: Bhargava SK, Peepee Publishers & distributors (P) Ltd - **20 chapters**

Central nervous system and spine: 1) Intraventricular masses

- 20) Sellar and suprasellar masses

- 21) Hydrocephalus
- 22) Cavernous angioma
- 23) Intracranial metastasis
- 24) Cyst with mural nodule
- 25) Paraplegia
- 26) Spinal dysraphism

Respiratory system:

- 27) Pulmonary cavity
- 28) Bronchiectasis
- 29) Pneumoconiosis
- 30) Carcinoma lung

Gastro-intestinal system:

- 31) Bowel perforation
- 32) Mesenteric lesions
- 33) Mesenteric ischemia
- 34) Genito-urinary system
- 35) Congenital anomalies of urinary tract
- 36) Bladder outflow obstruction

Musculoskeletal system:

- 37) Rib lesions
- 38) Muscle tumors

Dr A.K.Srivastava

1. Contributed TEN chapter in the book entitled "Text book of Radiology for Residents and Technician 3rd edition (2006) Published by CBS Publisher & Distributor 496/11a Ansari Road Daryaganj Delhi Chapter 4 : Basic Physics page (88-108), Chapter 5 ;Generation & Properties of x-ray (109-140)Chapter6.:Radiation hazards, Protection and interaction of x-ray with Matter (page 141-160) Chapter 9:General Radiography (page (182-193),Chapter15: Doppler ultrasound -Principles and Principles & Application (Page 279-288),Chapter 16: Computed Tomography (289-308), Chapter17: Magnetic Resonance Imaging (309-343),Chapter18: Digital Radiography (344-352)Chapter 19: Radionuclide imaging (page 353-383) ,Chapter 23: Recent Advances in Computed radiography and Digital Radiography
2. Contributed 6: chapters in the book entitled "Principles and Practice of Ultrasonography Published by Jaypee brothers Medical Publishers 23/23b Ansari road Darayaganj Delhi (2002) Chapter 1 Historic perspective of ultrasound (page 1-4),Chapter 2 Nature of Ultrasound (page 5-19),Chapter 3 Interaction of Ultrasound with matter (Page10-15) ,Chapter 4 Transducer (16-26)Chapter 5 Basic Ultrasound Instrumentation (page 27-41)Chapter 6 Real Time ultrasound
3. Contributed 5 Chapter in a book entitled "Color Doppler" Published by Jaypee brothers Medical Publishers (2003) Chapter 1 The story of Doppler (1-2),Chapter 2 Basic Haemodynamics (3-12) Chapter 3 Doppler Principles (13-21) , Chapter 4 Doppler spectral Analysis (22-30),Chapter 5 Color Flow Imaging (31-38)
4. Contributed one Chapter in book the entitled "Special Radiological Procedures "published by Jaypee brothers Medical Publishers 23/23B Ansari Road Darayaganj Delhi (2003) Chapter 4: Radiation Protection (Page 23-31)

5. Contributed one chapter in the book entitled STEP BY STEP Ultrasound Published by Pee Pee Publisher 7/31 Ansari Road Darayaganj Delhi Chapter 1 Physics of Ultrasound (Page 1-15
6. Contributed one chapter in the book entitled MCQs in RADIOLOGY Published by Jay Pee Publisher 7/31 Ansari Road Darayaganj Delhi Chapter 15. Radiophysics and Radiotherapy Page 307-316
- 7.Risk benefit analysis in diagnostic Radiology advances in Diagnostic Medical Physics Himalaya publishing new Delhi (page 238-245).
- 8.Text book Radiology and Imaging CBS Publisher (2007) Introduction page

Annexure -3

BOOKS AUTHORED

Dr L UPRETI

1. Brain Imaging Case review series : Ankur Arora, Sunil K Puri, Lalendra Upreti (First edition), Jaypee Brothers Medical Publishers. 2011

Dr A.K.SRIVASTAVA

- 2.Srivastava Ajai, Rawat Seema , Korpall Smita ,Khanuja Manika Text Book on Fundamental of Medical Imaging Technology Edition Fall 2013 Vikash Publication for Sikkim Manipal University 2013 (Main author)

Annexure -4

NAME OF THE STUDENTS/RESIDENTS WHO HAVE ATTAINED DISTINCTIONS IN VARIOUS UNIVERSITY EXAMINATIONS/NATIONAL OR INTERNATIONAL CONFERENCES:

1. 3rd Prize Film Reading Session: Delhi Imaging Update: 28-02-2014
2. 1st Prize Film Reading Session: Delhi Imaging Update: 01-03-2014
3. 2nd Prize Film Reading Session at National CME, IRIA: 1-2 Nov. 2014, at RML Hospital, New Delhi by Dr. Nipun, Dr. Nitin, Dr. Pooja
4. 1st Prize National Commemorative Session International Day of Radiology: 01-11-2014 by Dr. Nipun, Dr. Murtaza
5. 1st Prize in Film Reading Session in CME on Genitourinary Interventions on 27-12-2014, at IRIA House, New Delhi by Dr. Nipun, Dr. Pooja, Dr. Sarthak