

## CURRICULUM VITAE

Name **RAMESH KUMAR SEN**  
 Current status Director Deptt of Orthopaedics  
 Fortis Hospital Mohali, Panjab, INDIA



### QUALIFICATION

Ph D Orthopaedics Chandigarh	2008	PGIMER
D.N.B. Ortho	1988	National Board Exam New Delhi
MS Ortho	1987	IGMC Shimla, H.P
MB.B.S.	1982	IGMC Shimla, H.P.

### WORK EXPERIENCE

#### Total of 27 years after Postgraduation in Orthopaedics

21.1.2014- till date	Fortis Hospital Mohali	Director, Deptt of Orthopaedics
1.7.2008 - 20.1.2014	PGIMER Chandigarh	Professor
1.7.2002 - 30.6.2008	PGIMER Chandigarh	Additional Professor
1.7.1998 - 30.6.2002	PGIMER Chandigarh	Associate Professor
3.10.1993 - 30.6.1998	PGIMER Chandigarh	Assistant Professor
1.1.1993 - 2.10.1993	IGMC Shimla	Pool Officer CSIR
1.8.1990 - 31.12.1992	H.C.M Centre Mandi H.P.	Consultant
3.6.1987 - 20.7.1990	IGMC Shimla.	Senior Resident Ortho.

### RESEARCH

**Chairperson:** Research Foundation of Indian Orthopaedic Association (2009-2011)

### **PATENT:**

- 1, **New Pelvic plate for reconstruction of acetabulum fractures** patented as International classification: A61B17/56 published in OFFICIAL JOURNAL OF THE PATENT OFFICE ISSUE NO. 12/2011 FRIDAY DATE: 25/03/2011
- 2, **Ciclnosamide in prevention of FES**, submitted . patent pending

### **PRINCIPAL INVESTIGATOR**

#### **EXTRA-MURAL**

PROJECTS AS P I	FUNDING AGENCY	PUBLICATION
1, Early diagnosis of AVN of femoral head in post traumatic hip	"Association Internationale pour l'Osteosynthese Dynamique" (AIOD) Research Committee FRANCE	Acta Ortho belgica 2010
2, Role of marrow Stem cells grafting in Post traumatic avascular necrosis	Asian Association Dynamic Osteosynthesis (AADO) Research committee HONGKONG	Jour Arthroplasty 2012
3, Serum lactate as prognostic factor in etiology of Fat Embolism Syndrome	Asian Association Dynamic Osteosynthesis (AADO) Research committee HONGKONG	Presented AAOS New Orleans USA 2010

4, Interleukin-6 role in Fat embolism syndrome	AOTAP (AO trauma asia Pacific)	CORR published
5, Treatment Of Painful Osteoarthritis of Knee: An Open Prospective, Randomized Study	Themis Medicare	Ind J Phys Med & Rehab 2009(Oct); 20 (2):
6, Evaluation Of Efficacy And Tolerability Of A Fixed Dose Combination Of glucosamine Sulphate And Omega 3 Fatty Acid	Merck	IJPMR Oct 2007;18(2):48-52

## **AO EDUCATION & RESEARCH**

### **MEMBER: AO INTERNATIONAL PELVIC EXPERT GROUP**

Guest participant AO PEEG meeting, May 2, 2015 **Buenos Aires ARGENTINA**

Entry as member AO PEEG in October 13<sup>th</sup>, 2015 **Orlando USA.**

### **INTERNATIONAL FACULTY,**

A, AO Pelvic course aug 10-12,2015 **MALAYSIA,**

B, AO Principles Course 7-9<sup>th</sup> March 2012 Kuala Lumpur **MALAYSIA**

C, AO Masters Course 15-18<sup>th</sup> October 2011 **DUBAI**

**D,** AO Advanced & Principles Course 11-13<sup>th</sup> July 2011 **SINGAPORE**

E, AO Symposium LCP workshop, 4<sup>th</sup> March 2007 Dhaka **BANGLA DESH**

F, AOSEC Course 29-30<sup>th</sup> October 2011, Rajshahi **BANGLADESH**

### **NATIONAL FACULTY**

#### **AO COURSE CHAIRPERSON**

AO Pelvic Course 21-23<sup>th</sup> May 2015 **BANGALORE**

AO principles Course 22-24<sup>th</sup> April 2014 **CHANDIGARH**

AO Basic course May 8<sup>th</sup> 2013 **JULLUNDHUR**

AO Pelvic course 11-14<sup>th</sup> April 2013 **BANGALORE**

AO ORP course 10-11<sup>th</sup> Nov 2011 **CHANDIGARH**

#### **AO COURSE CO CHAIRPERSON**

AO Basic course 22-24<sup>th</sup> Feb 2008 **NEW DELHI**

#### **AO COURSE FACULTY:**

AO Principle course 1, 16-18<sup>th</sup> July 1999 **NEW DELHI,2, 19-20<sup>th</sup> July 1999 CHANDIGARH, 3, 13-15<sup>th</sup> April 2007 CHANDIGARH, 4, 16-18<sup>th</sup> July 2009 BARODA & 5, 8-11<sup>th</sup> August 2012 AMRITSAR**

AO introduction course 24<sup>th</sup> May 2009 **RAIPUR & 26<sup>th</sup> Oct 2008 ROHTAK,**

AO Advanced course 6-9<sup>th</sup> Nov 2006 **NEW DELHI,**

#### **WORKSHOP FACULTY:**

AO Fracture fixation workshop June 2001 **LUCKNOW,**

AO Workshop IOA UPCON 7<sup>th</sup>-8<sup>th</sup> Feb 2004 **KANPUR**

#### **AO TRAUMA/ AO AA ANNUAL SYMPOSIUMS FACULTY:**

AO Trauma april 19-21 2013 **CHANDIGARH** Organising Secretary

AO Trauma 7-9<sup>th</sup> April 2012 **CHENNAI ,**

AOAA/AO Trauma 24-25<sup>th</sup> April 2010 **PATNA**.  
 AOAA Annual Symposium 6-8<sup>th</sup> March 2009 **SHIMLA**,  
 AOAA annual symposium 15-16<sup>th</sup> march 2008 **MOUNT ABU**,  
 AOAA meeting at 24-25<sup>th</sup> March 2007, **MANGLORE**,  
 AOAA meeting at 3-4<sup>th</sup> march 2006 **KOLKATTA**,  
 AOAA Annual meeting at 8-9<sup>th</sup> Jan 2005 **CHANDIGARH**,  
 AOAA annual meeting 14<sup>th</sup>-15<sup>th</sup> Feb.2004 LTMGH **MUMBAI**,  
 AOAA Annual meeting Nov 24-25<sup>th</sup> 2002 **CHENNAI**,  
 AOAA Annual Symp. 19-21<sup>st</sup> Nov 1999 at **MT ABU**.

#### **ORGANISATIONAL**

**EXECUTIVE MEMBER** AO Trauma 2010-2011, 2012-2014

**SECRETARY** AO Alumni Association India Chapter (2007-2009).

**Organizing Chairman/Co-Chairman** AOAA Annual Symposium 6-8<sup>th</sup> March 2009 Shimla, AOAA Regional symposium Panchkula 20<sup>th</sup> July 2008, AOAA Annual Symposium Chandigarh 8<sup>th</sup> Jan 2005

**PATICIPANT** AO Chairman Course COCHIN april 23-28<sup>th</sup>, 2013

#### **RECOGNITIONS & AWARDS**

##### **INTERNATIONAL**

- **OASAC (Ortho surgeons of SAARC) Oration Award** at **COLOMBO** 27<sup>th</sup> oct 2012
- **PLENARY SPEAKER (Baltic states Orthopaedic Surgeons conference 2013,RIGA LATVIA.** 20-21<sup>st</sup> Sept 2013

##### **NATIONAL**

- **Baroda Ortho. Society Oration Award** 22<sup>nd</sup> Sept 2007 Baroda **GUJRAT**
- **1st Golden Jubilee Commemoration Oration** in **IOACON 2008** at **BANGALORE** by **IOA**
- **Prof BB Ohri Oration** award MP Chapter IOA 4<sup>th</sup> Oct 2008 **INDORE**.
- **Gaziabad Oration of UP Chapter 2010**, 20<sup>th</sup> feb **ALLAHABAD**
- **Prof G Swaminathan Oration** award 2011 **MADURAI**
- **Dr M L Chatterjee Oration** WBOA chapter July 14<sup>th</sup> 2013 **KOLKATTA**
- **Dr Mahurkar Oration Award** CHIOA on Sept 28<sup>th</sup> 2013 **BHILAI**
- **Dr Marthandam Oration** award Jan 22<sup>nd</sup> 2014 **SRM University CHENNAI**
- **Dr Ranga reddy Oration** award Feb 2016 **kakinada ANDHRA PRADESH**
- **Dr Agasge Oration Award** March 2016 **Pune MAHARASHTRA**

#### **OTHER AWARDS & FELLOWSHIPS**

##### **INTERNATIONAL**

- **PENALIST** in 'International Congress on Knee and Sports Medicine' in **Yokohama JAPAN** in 1989
- **BEST FELLOW AWARD** in **BIOSKILL COURSE** in **HONGKONG** for Fracture fixations. 7-9<sup>th</sup> July 2001. (exam at end of course)

- **IOS (UK) FELLOWSHIP UK hospitals BOA 2008 Liverpool. 14<sup>th</sup>-27<sup>th</sup> sept 2008.UK**
- **AADO (Hong Kong) Scholarship for**
  - 1, **European Traumatology Congress Amsterdam HOLLAND in 1998,**
  - 2, **Int. trauma Symp. Edinburgh UK in 2003,**
  - 3, **Pelvic Trauma Course HONGKONG 2004**
  - 4, **OTA meeting of USA 2008 USA ,**
- **Plenary Speaker, Baltic states Orthopaedic Surgeons conference. 20-21<sup>st</sup> Sept 2013.**

## **NATIONAL**

1. **IOA INOR Foreign Fellowship for BOA Glasgow 2006 UK 26-28<sup>th</sup> Sept 2006**
2. **Johnson & Johnson Traveling Fellowship Awarded 1992 by IOA**
3. **E Merck Fellowship Awarded for 1989 by Bombay Orthopaedics Society**
4. **Best Research Award" by North Zone Ortho Assoc in 1988 at CMC Ludhiana**

## **INTERNATIONAL CONFERENCES**

### **AS CHAIRPERSON IN SCIENTIFIC SESSIONS**

1. **Asia Pacific Orthopedic Association meet Kuala Lumpur MALAYSIA Sept 2004**
2. **5<sup>TH</sup> OASAC meeting MALDIVES 14-16<sup>th</sup> June 2008.**
3. **6<sup>TH</sup> OASAC meeting Thimphu BHUTAN 21<sup>st</sup> 23<sup>rd</sup> Oct 2010**
4. **29th Israel Orthopaedic Association meet Tel Aviv, ISRAEL Nov 30<sup>th</sup> to 2<sup>nd</sup> Dec 2011**
5. **7<sup>th</sup> OASAC meeting Colombo SRILANKA 26-28<sup>th</sup> Oct 2012**
6. **Synthes symposium Pelvi-acetabular trauma Sept 21-23,2015, Bangkok THAILAND**

### **AS GUEST FACULTY IN INTERNATIONAL MEETINGS**

7. **Asia Pacific Ortho Assoc meet Kuala Lumpur 6-10<sup>th</sup> Sept. 2004 MALAYSIA**
8. **1<sup>ST</sup> SAARC CON 2006 Kathmandu 8-10<sup>th</sup> Dec 2006 NEPAL**
9. **1<sup>ST</sup> AO Symposium Dhaka 4<sup>th</sup> March 2007 BANGLADESH**
10. **4th Asia Pacific Hip & Knee Symposium 19-20<sup>th</sup> June 2010, Shanghai CHINA**
11. **3<sup>RD</sup> Asia Pacific Arthroplasty Society (APAS) meeting 16-18<sup>th</sup> Sept New Delhi 2010**
12. **6<sup>TH</sup> SAARC Ortho OASAC meeting in Thimphu 21-23<sup>rd</sup> oct 2010 BHUTAN**
13. **7<sup>th</sup> SAARC Ortho OASAC meeting in Colombo 26-28<sup>th</sup> oct 2012 SRILANKA**
14. **5<sup>th</sup> Baltic Congress of Orthopaedic and Traumatology Riga, Sept 20-21 , 2013 LATVIA**

### **FACULTY IN FOREIGN COUNTRIES ANNUAL MEETINGS**

1. **Malaysia Orthop Association Ann Conf, Miri 12-15<sup>th</sup> may 2005 MALAYSIA**
2. **Pakistan Ortho Assoc Conf, Hyderabad 23-26<sup>th</sup> Feb 2006 PAKISTAN**
3. **IOA speaker in BOA meeting at Glasgow UK on 24-27<sup>th</sup> sept 2006**
4. **BOSCON Dhaka 5-6<sup>th</sup> March 2007. BANGLADESH,**
5. **IOS UK regional meeting on 16<sup>th</sup> Sept 2008 Manchester UK**
6. **IOS UK Regional Ann. Meet London 27<sup>th</sup> Sept 2008 at UK**

7. BOSCON Ann meeting **Dhaka** 29<sup>th</sup>-30<sup>th</sup> march 2009 **BANGLADESH**
8. British Orthopaedic Association Indian Summer **Manchester** 15-18<sup>th</sup> Sept. 2009 **UK**
9. Mynamar Orthopaedic Association **Yangon** 6-8<sup>th</sup> Nov 2009. **MYNAMAR**
10. Cambodian Orthopaedic Society **Phenom Penh** 12<sup>th</sup> Nov 2009, **CAMBODIA**
11. **Plenary Speaker**, Srilanka Ortho. Assoc. **Colombo** 28-29<sup>th</sup> oct. 2010. **SRILANKA**

### **VISITING PROFESSOR IN FOREIGN INSTITUTIONS**

- 1, Detroit Medical center **Detroit University of Michigan** 11-16 th March 2013 **USA**
- 2, University of Mainz sept 16-18<sup>th</sup> Septemebr **2013 GERMANY**

### **OBSERVERSHIP IN FOREIGN INSTITUTIONS**

1. Nihon University School of Medicine **Tokyo JAPAN** July 7<sup>th</sup> 1989
2. University of Malaya Kuala lumpur **MALAYSIA** July 2001
3. Cornell University HSS **New York USA** 9<sup>th</sup> Sept. 2002
4. **John Radcliffe Hospital Oxford UK** 18<sup>th</sup> August 2003
5. National Taiwan Univ. Hospital **Taipei TAIWAN** on 28<sup>th</sup> Oct 2004
6. Bressia Hospital Course on Revision Hip Surgery **ITALY** on 8-11<sup>th</sup> sept 2014
7. Colarado Hospital Denver **DENVER USA** 14-15<sup>th</sup> October 2015
8. Exeter Course in, Exeter **ENGLAND** Nov 23-27<sup>th</sup> 2015

### **MISC. INTERNATIONAL GUEST PRESENTATIONS**

- Deptt of Orthopaedics **Visiting lecturer Kuala Lumpur MALAYSIA** University of Malaya 13-14th July 2001
- Deptt of Orthopaedic Trauma Cornell University HSS **New York USA** 9<sup>th</sup> September 2002 (femoral head Fractures)
- Deptt of Orthopaedic Surgery University of Malaya Kuala lumpur **MALAYSIA** JULY 2001 (Femoral head fractures)
- Deptt of orthopaedics **National Taiwan University Hospital Taipei TAIWAN** on 28<sup>th</sup> Oct 2004 (Femur head fractures)
- **MOACON 2006 Colombo SRILANKA** (Fat embolism syndrome)
- Deptt of Orthopaedics surgery Bir Hospital **Kathmandu NEPAL** 28<sup>th</sup> Jan 2008 (basics of acetabular fracture surgery)
- SICOT webinar april 11, pelvic injuries “widening horizons” at **BANGKOK THAILAND** march 29<sup>th</sup>, 2014
- Asia pacific Arthroplasty Symposium **KUALALUMPUR, MALAYSIA** may 24-25<sup>th</sup>, 2014
- APAS Meeting Chengdu june 18-19, 2014 **CHINA**
- Revision Hip course april 23-24<sup>th</sup> Bangkok 2015 **THAILAND**

### **INTERNATIONAL RESEARCH PAPER PRESENTATIONS**

- 1, International Congress on Knee & Sports Medicine Section of WPOA **Yokohama, JAPAN** July 4-6<sup>th</sup> 1989 (A new patellar index in OSD)
- 5, Ist Meet of Orthopaedic Surgeons of SAARC Countries **Kathmandu NEPAL** April 29-May 1, 1998, (Infections in Orthopaedics).

- 6, 3rd European Traumatology Congress **Amsterdam HOLLAND** June17-20,1998 (Analysis of tissue specific bacterial load in open fractures)
- 7, 62th Duetche Gasselshaft fur Unfallchirurgie **Berlin GERMANY** Nov.18th- 20th, 1998.
- 8, S I R O T meeting **Sydney AUSTRALIA** April 18-20,1999.
- 9, World Orthopaedics Concern Meeting **Sydney AUSTRALIA** April 21,1999
- 10, SICOT meeting **San Diego USA** 25<sup>th</sup> – 30<sup>th</sup> August 2002
- 11, 'Trauma 2005', Whistler **Vancouver CANADA** 6-9<sup>th</sup> April2005
- 12, **New Zealand Orthopaedic Association** meeting 14-17<sup>th</sup> oct 2007 at Auckand , **NEW ZELAND.**
- 13, BOS Ann meeting 29<sup>th</sup>-30<sup>th</sup> march 2009 Dhaka **BANGLADESH.**
- 14, AAOS annual meeting march 10<sup>th</sup> 2010. " serum lactate as predictor of subsequent FES" **New Orleans USA**
- 15, Presentation at Israel Orthopaedic Association Annual meeting at Tel Aviv, **ISRAEL** Nov 30<sup>th</sup> to 2<sup>nd</sup> Dec 2011
- 16, AAOS on the ' quadrilateral plate fixation with new technique) march 19- 21<sup>st</sup> 2013 **Chicago USA**
- 17, SICOT Meeting , validation of HHS in population, Novemebr 14-17, 2014, Rio **BRAZIL**

## **LIVE SURGICAL DEMONSTRATIONS**

### **INTERNATIONAL**

- 1, **SAARC Acetabulum workshop** 3-4<sup>th</sup> August 2007 Kathmandu, **NEPAL**

### **NATIONAL**

1. Command Hospital **CHANDIMANDIR** 2002 and 2003, **acetabular fracture fixation**
2. Ortho Update 1<sup>st</sup> October **PATNA 2005, acetabular fracture fixation.**
3. **Acetabular Workshop** Central Zone IOA Medical college **ALIGARH** 30<sup>th</sup> April 2006
4. Ganga Course **COIMBATORE** 23-16<sup>th</sup> Sept 2010 **Acetabular fracture fixation.**
5. Jolly Grant medical College **DEHRADOON** feb 22<sup>nd</sup> 2014, **total hip arthroplasty.**
6. Medical College **SRINAGAR** 10<sup>th</sup> april 2014 **acetabular fracture fixation**

## **AS COURSE DIRECTOR IN PELVI-ACETABULAR WORKSHOPS**

### **INTERNATIONAL:**

- 1, Pelvic Course, Univ. Malaya Kuala Lumpur **MALAYSIA** 16<sup>th</sup> Dec 2003
- 2, SAARC Acetabulum workshop 3-4<sup>th</sup> August 2007 Kathmandu, **NEPAL**
- 3, BOS Acetabulum workshop 27<sup>th</sup> March 2009 Dhaka **BANGLADESH**
- 4, Pelvi-acet workshop Colombo **SRILANKA** 30-31<sup>st</sup> May 2009
- 5, Fracture fixation workshop Yangon, **MYNAMAR** 9<sup>th</sup> Nov 2009
- 6, Pelvic inj. Symp. OASAC conf Thimphu **BHUTAN** 21<sup>st</sup>Oct 2010.
- 7, Trauma fixation course Medical college **MAURUTIUS** 22-26<sup>th</sup> july 2013

**NATIONAL :**

**ALIGARH CZIOA** 30<sup>th</sup> April 2006, **RAIPUR CEZCON CHHATTISGARH** 26<sup>th</sup> oct 2007,  
**KANPUR** 30<sup>th</sup> August 2009, **BHUVNESHWAR IOACON** 28<sup>th</sup> Nov 2009  
**WARDHA** 13<sup>th</sup> Dec 2009 , **JAMMU NZIOA** 19<sup>th</sup> Feb 2010 ,  
**LUCKNOW** 17<sup>th</sup> April 2010 , **BANGALORE** 11<sup>th</sup> July 2010 ,  
**KOLKATTA** 30<sup>th</sup> July 2010 , **LUDHIANA** 5<sup>th</sup> Sept. 2010,  
**JAIPUR IOACON** 12<sup>th</sup> Dec 2010, **MADURAI** 5<sup>th</sup> March 2011,  
**SHIMLA NZIOACON** Shoulder, Elbow Injuries 1<sup>st</sup> April 2011 ,  
**GAZIABAD IOACON** 7<sup>th</sup> Dec 2011, **PATIALA** 24<sup>th</sup> march 2012,  
**LUCKNOW** 25<sup>th</sup> April 2012, **CHENNAI KMC** 12<sup>th</sup> may 2012,  
**BARODA** 27<sup>th</sup> May 2012, **BANGALORE** 4<sup>th</sup> Nov 2012,  
**AGRA IOACON AAOS** pelvic workshop dec 4-5<sup>th</sup> 2013  
**SHIMLA HIPA** 30 april , 2013 **JULLUNDHUR** June 27<sup>th</sup> 2013  
**AGRA** pelvic course June 30<sup>th</sup> 2013

**AS FACULTY IN TRAUMA & PELVI-ACETABULAR WORKSHOPS**

MUMBAI WIROC -BOS Jan 2002, PATNA IOACON 13<sup>th</sup> Nov 2002, INDORE 20<sup>th</sup> August  
 2004, PUNE 4<sup>th</sup> June 2007, KOLKATTA IOACON 4<sup>th</sup> Dec 2007, MUMBAI Master's Hip Course 9-  
 10 th Dec 2007, VARANASI Ortho society 22<sup>nd</sup> Dec 2007, ANAND GOACON Gujrat 8<sup>th</sup> Feb 2008,  
 BANGALORE IOACON 2<sup>nd</sup> Dec 2008, MUMBAI WIROC at 26<sup>th</sup> Dec 2008, MUMBAI Masters Hip  
 course 17-18<sup>th</sup> Jan 2009. COCHIN 25<sup>th</sup> Oct 2009 . MUMBAI Traumacon 15<sup>th</sup> August 2010,  
 COCHIN 15<sup>th</sup> August 2011. CHENNAI AO Trauma 8<sup>th</sup> April 2012, AGRA pelvic workshop 30<sup>th</sup>  
 march 2013, MUMBAI 12-14 july 2013 BOS Pelvic course ,

**SCIENTIFIC PRESENTATION IN CONFERENCES & MEETINGS**

<b>Sr No</b>	<b>Type of presentation</b>	<b>International</b>	<b>National</b>	<b>Total</b>
<b>1,</b>	<b>Workshop training</b>	<b>7</b>	<b>57</b>	<b>64</b>
<b>2,</b>	<b>Live surgery</b>	<b>1</b>	<b>7</b>	<b>8</b>
<b>3,</b>	<b>Guest lectures</b>	<b>39</b>	<b>210</b>	<b>249</b>
<b>4,</b>	<b>Research papers</b>	<b>15</b>	<b>26</b>	<b>39</b>
	<b>Total</b>	<b>62</b>	<b>300</b>	<b>362</b>

## **GUEST FACULTY IN INDIA- NATIONAL MEETINGS:**

Faculty in National meetings -256, Research presentations –National -25,  
2016

- 1, Jan 9-10 ,2016 Orisa Ortho chapter meet Bhuvneshwar
- 2, Jan 24, 2016, AIIMS lecture & pelvic module
- 3, Jan 25, 2016, Udaipur pelvic meeting
- 4, Feb 5, 2016 Pelvic workshop baroda
- 5, Feb 6-7, 2016 Nimrana ROACON rajsthan meeting
- 6, Feb 19-21, 2016 NZOA annual meeting organization
- 7, March 5, 2016 kakinada Andhra chapter IOA annual meeting Dr Rangareddy oration
- 8, March 6, 2016 Hyderabad APASI meeting

2015

- 1, Jan 10<sup>th</sup>, 2015 Vellore Tamil Nadu International Research meeting
- 2, Jan 16-18, 2015, ROC Mumbai
- 3, Feb 6-7, 2015 Karnataka Ortho meeting Mysore
- 4, Feb 13-15, 2015 North Zone Ortho meeting Rohtak
- 5, March 13-14 2015 APOA Mumbai pelvic meeting module
- 6, March 15, 2015 Great expectation meeting New Delhi
- 7, March 21, 2015 Paonta HIMCON
- 8, April 18-19, 2015, APASI meeting Pune
- 9, April 26<sup>th</sup>, 2015 Mumbai webinar meeting
- 10, may 16, 2015 IGMC Alumni meeting Shimla
- 11, June 21,2015, trauma society meeting Chandigarh
- 12, June 27<sup>th</sup>, 2015 Medanat hip training module
- 13, July 11, 2015 pelvic course Mumbai KEM
- 14, July 18,2015 Zimmer trauma Vhennai
- 15, July 19, 2015 Zimmer trauma Amritsar
- 16, July 21, 2015 Srinagar meeting
- 17, July 30- 2015 pelvic course Bangalore chairman own
- 18, Aug 26, 2015 NIAM lecture Chandigarh
- 19, Aug 29, 2015 Patiala ortho meeting
- 20, Sept 8, 2015 PU gen lecture
- 21, Sept 19-20, 2015 Chandigarh lecture
- 22, Nov 1, 2015 workshop on pelvic trauma
- 23, Nov 15, 2015 max organized arthroplasty meeting
- 24, Nov 21, 2015 HPIOACON annual meet Una
- 25, Nov 29, 2015 pelvic cadaver workshop Lucknow
- 26, Dec 12, 2015 pelvic workshop Jaipur in IOACON
- 27, Dec 14, 2015, AAOS India Pelvic module lecture IOACON
- 28, Dec 26, 2015 ATM stryker meeting Patna

2014

- 1, Jan 11-12, 2014 APASI meeting Jodhpur
- 2, Jan 22, 2014, Marthandam oration award Chennai
- 3, March 26<sup>th</sup>, 2014 THR surgical demonstration Dehradun



- 4, April 12<sup>th</sup>, 2014 THR and pelvic fracture surgical demonstration Srinagar
  - 5, June 28<sup>th</sup>, Ganga Hospital live surgical demonstration
  - 6, July 20<sup>th</sup>, 2014 Pelvic workshop course chairman Bangalore
  - 7, July 27<sup>th</sup> 2014, Kota Live surgical demonstration of THR and pelvic fracture
  - 8, Aug 9-10, 2014, Tamil Nadu midterm meeting
  - 9, Aug 2<sup>nd</sup> 2014, tanda medical college lecture on research
  - 10, Aug 23-24<sup>th</sup> 2014 Bangaluru Pelvic course
  - 11, Sept 13<sup>th</sup> 2014 Ayurvedic north india meet Paprola HP
  - 12, Sept 20<sup>th</sup> 2014 Pelvic cadaver workshop Lucknow
  - 13, Sept 27<sup>th</sup> 2014 Hip current concepts Jodhpur
  - 14, Sept 14, 2014 Pelvic course Jullundhur
  - 15, Nov 28<sup>th</sup>, 2014 Rheumatology conference PGI Chandigarh
  - 16, Dec 7-14 ICJR New Delhi
  - 17-23, CME local meeting at Abohar, hamorpur, Chandigarh, karnal, Kurukshetra, Mandi, Palampur
- 2013
- 1, Jan 5<sup>th</sup>, 2013, PG course indore MP
  - 2, feb 10-11, 2013 tamil Nadu orthopaedic meeting tanjavore
  - 3, Feb 17-18 Depuy Course Chandigarh
  - 4, April 11, 2013 AO Pelvic course Bangalore Chairperson
  - 5, April 19-21 2013, AO Trauma meeting chandigarh
  - 6, April 23, AO Chairman course Cochin
  - 7, April 30<sup>th</sup>, 2013, Disaster management course Shimla
  - 8, May 5<sup>th</sup>, 2013 Radiology meeting PGIMER Chandigarh
  - 9, may 12, 2013 UPCON Gorakhpur
  - 10, may 26<sup>th</sup> Jammu meeting
  - 11, June 8<sup>th</sup>, 2013 AO introduction Course Jullundhur
  - 12, June 27<sup>th</sup> 2013 Jullundhur trauma pelvic meeting
  - 13, June 30<sup>th</sup>, 2013 Agra pelvic meeting
  - 14, July 12-13, 2013 Mumbai pelvic workshop KEM
  - 15, July 14, 2013 west Bengal midterm meeting orations
  - 16, August 11<sup>th</sup>, 2013 AO Principles course Amritsar
  - 17, Sept 5-6<sup>th</sup> Radiology international meeting PGIMER Chandigarh
  - 18, Sept 29, 2013 PUNCON Ludhiana
  - 19, Sept 26-27, 2013 CZIOA Meeting Bhilai
  - 20, Oct 19, 2013 SICOT Hyderabad
  - 21, Oct 26, 2013, Pelvic workshop Calicut
  - 22, Nov 24, 2013 Tanda medical college HPIOA meet
  - 23, Dec 4-5, 2013 pelvic workshop IOACON
  - 24, Dec 7-8, 2013 IOACON main meeting
- 2012
- 1, Odisha Chapter IOA annual meeting **Telchar** Odisha 14-15<sup>th</sup> Jan 2012
  - 2, Trauma Case discussion meeting **Mumbai** Maharashtra 21<sup>st</sup> Jan 2012
  - 3, Gujrat Chapter IOA annual meeting **Daman** GDD 5-6<sup>th</sup> Feb 2012
  - 4, Bihar Chapter IOA annual meeting **Ara** Bihar 18-20<sup>th</sup> Feb 2012
  - 5, Arthroplasty Update R&R Hospital **New Delhi** 3<sup>rd</sup> March 2012
  - 6, NZIOACON **Patiala** Punjab 24<sup>th</sup> March 2012

- 7, Course on pelvic fractures **Lucknow** 25<sup>th</sup> April 2012
- 8, AO Trauma **Chennai** TN 6-8<sup>th</sup> April 2012
- 9, TRAUMACON **Coimbatore** TN 27<sup>th</sup>-29<sup>th</sup> April 2012
- 10, Chandigarh Chapter IOA annual meeting **Chandigarh** 6<sup>th</sup> May 2012
- 11, Kilpauk Medical college **Chennai** TN CME 12<sup>th</sup> May 2012
- 12, Baroda pelvic Course 27<sup>th</sup> **Baroda** Gujrat May 2012
- 13, Course Director PG training **Bangalore** Medical College Karnataka 2-3 June 2012
- 14, DOA mid term CME Delhi 22 **July** 2012
- 15, AO Basic course **Amritsar** 8-11<sup>th</sup> Aug 2012
- 16, Hip and Knee symposium **Nagpur** 1-2<sup>nd</sup> Sept 2012
- 17, UPMIDCON **Faizabad** 23<sup>rd</sup> Sept 2012
- 18, IAA mid term symposium **Chandigarh** 30<sup>th</sup> Sept 2012.
- 19, Lobo memorial oration **Ludhiana** 20<sup>th</sup> Oct 2012
- 20, Acet workshop Rammaih Medical College **Bangalore** 4<sup>th</sup> Nov 2012
- 21, IOACON 2012 **Chennai** 12-16<sup>th</sup> Dec 2012.

## 2011

- 1, Chairperson POSICON 2011 Govt. Medical College **Chandigarh** 11-12<sup>th</sup> feb 2011
- 2, UP Chapter IOACON 2011 **Gorakhpur** 18-20<sup>th</sup> Feb 2011.
- 3, CHASCON Chandigarh Science Congress 26-28<sup>th</sup> Feb 2011, **Chandigarh**
- 4, Cadaver Knee Arthroplasty Course AIIMS **New Delhi** 27<sup>th</sup> March 2011
- 5, North Zone chapter IOA Annual meeting 1-3<sup>rd</sup> April 2011 **Shimla**.
- 6, North Zone ASSICON Midterm meeting 6-8<sup>th</sup> May 2011 IGMC **Shimla**
- 7, Chandigarh Chapter of IOA Annual meeting 8<sup>th</sup> May 2011 **Chandigarh**
- 8, Prof Ranganathan Oration ceremony, 5<sup>th</sup> March 2011, **Madurai**
- 9, Maharashtra Orthopaedic Assoc. 2<sup>nd</sup> July 2011, **Akluj**, Maharashtra
- 10, International Trauma Congress **Puttaparthi** 22-24<sup>th</sup> July 2011
- 11, Research symposium JLN medical college **Wardha** 7<sup>th</sup> August 2011
- 12, Pelvic workshop acetabular fractures **Cochin** 15<sup>th</sup> August 2011
- 13, Synthes symposium lower limb trauma 24-25<sup>th</sup> Sept 2011 **New Delhi**
- 14, PG teaching symposium **Jammu** 1-2<sup>nd</sup> October 2011
- 15, Research symposium 13<sup>th</sup> Nov 2011 **Aligarh** 2011
- 16, Faculty HP Chapter IOA 20<sup>th</sup> Nov 2011 **Hamirpur**, H P.
- 17, IOACON CME 7<sup>th</sup> December 2011. **New Delhi**.

## 2010

- 1, Faculty Chattisgarh Chapter IOA **Jagdalpur** (AVN femur head), (acetabulum Fractures) 18<sup>th</sup> Jan 2010
- 2, Faculty Jharkhand Chapter IOA **Dhanbad** (avascular necrosis, Pelvic injuries) 19<sup>th</sup> Jan 2010
- 3, Faculty Gujrat Chapter IOA **Surat** (Femoro-acetabular impingement, Femur head fractures) 8<sup>th</sup> Feb 2010
- 4, U P Chapter IOA **Allahabad** (pevic injuries) 20<sup>th</sup> Feb 2010
- 5, IOA ICL Course **Shimla** (avascular necrosis femur head) 27-28<sup>th</sup> march 2010
- 6, Pelvic acetabular fractures lecture at Ortho meeting **Faizabad** 16<sup>th</sup> april 2010
- 7, Workshop on acetabular fractures **Lucknow** 17<sup>th</sup> April 2010
- 8, AO Trauma 24-25<sup>th</sup> april 2010 **Patna** (FES and Missed injuries, complication acetabulum fractures)

- 9, Pelvi-acetabular workshop Rammaiah Medical College **Bangalore** 11<sup>th</sup> July 2010
  - 10, Cadeveric course AIIMS **New Delhi** 16<sup>th</sup> July 2010 surgical approach in total hip arthroplasty.
  - 11, Pelvi-acetabular workshop **Kolkatta** PGMCC. 30<sup>th</sup> July 2010
  - 12, Traumacon **Mumbai** 4-6<sup>th</sup> August 2010 (femur head fracture)
  - 13, Pelvi-acetabular workshop **Allahabad** 29<sup>th</sup> August. 2010.
  - 14, Pelvi-acetabular workshop DMC **Ludhiana** 5<sup>th</sup> September 2010
  - 15, Traumacon Coimbatore Ganga Hospital **Coimbatore** 23-27<sup>th</sup> September 2010 (Femur head fracture with acetabulum fractures)
  - 16, Intricacies of upper limb trauma PGI **Rohtak** 3<sup>rd</sup> October 2010 (Glenoid Fractures)
  - 17, IOA HP Chapter 2010 20<sup>th</sup> Nov 2010 **Nalagarh** (HP)
  - 18, Research Symposium 7<sup>th</sup> Dec. 2010 GTB Hospital **Delhi**
  - 19, IOACON 2010, Research Symposium 8-12<sup>th</sup> Dec. 2010 IOACON 2010 **Jaipur**.
- 2009
- 1, Faculty Master hip course **Mumbai** 16-19 Jan 2009 (femur head fractures)
  - 2, Faculty Kerala Ortho Association 30-31<sup>st</sup> Jan 2009 (Pannimala **Kerala** (acetabulum fractures, AVN femur head)
  - 3, Faculty UPCON **Lucknow** 7-8<sup>th</sup> Feb 2009 (acetabular fractures)
  - 4, Faculty Int workshop High performance bearing 22<sup>nd</sup> Feb 2009, **Mohali** (periprosthetic fractures)
  - 5, Faculty Bihar ortho Assoc 26-28<sup>th</sup> Feb 2009 Purnea (**Bihar**) (AVN femur head, Floating knee injuries)
  - 6, Faculty AO Symposium 5<sup>th</sup> March 2009 **Chandigarh** (pelvic fractures)
  - 7, Faculty AOAA Annual Symposium 6-8<sup>th</sup> March 2009 **Shimla** (femur head fractures) femur head fractures.
  - 8, Faculty Traumacon 2009 **Varanasi** 24-26<sup>th</sup> April 2009 (acetabular fractures- indications for arthroplasty.
  - 9, Faculty for Hip Course 26<sup>th</sup> April 2009 **Delhi** 2009 (Acetabular fractures)
  - 10, Faculty for AO pre-basic course 24<sup>th</sup> May 2009 **Raipur** (relative stability)
  - 11, Faculty AO Principle course -16-18<sup>th</sup> July 2009 **Baroda** ( 1, absolute stability, 2, LCP, 3, femur fracture )
  - 12, Faculty TRAUMACON 2009—14-16<sup>th</sup> August 2009 **Mumbai** (supracondylar femur , subtrochanteric femur , pilon fractures)
  - 13, Faculty Pelvic workshop 30<sup>th</sup> August 2009 **Kanpur**
  - 14, Faculty trauma reconstruction 20<sup>th</sup> September 2009 **Karnal** Haryana.
  - 15, Faculty APASI meeting 27-28<sup>th</sup> Sept 2009 **Chandigarh** (pipkin long term outcome)
  - 16, Faculty IOA pelvic workshop 4<sup>th</sup> Oct 2009 **New Delhi**
  - 17, Faculty Academia Trauma **Jamnagar** 9-11<sup>th</sup> Oct 2009 (timing of surgery)
  - 18, Faculty IOA CME program at **Bhuvneshwar** 24<sup>th</sup> Nov 2009 (neglected trochanteric fractures)
  - 19, Faculty IOA APASI program at Bhuvneshwar 26<sup>th</sup> Nov 2009 (acetabular fractures long term outcome)
  - 20, Faculty Himachal chapter IOA annual Meeting **Kullu** 20<sup>th</sup> Dec 2009.
- 2008

- 1, Faculty at CME Panchkula Orthopaedic Club meeting on AO advances (MIPPO techniques) 11<sup>th</sup> Jan 2008 Panchkula
- 2, Faculty at national CME on Current concepts in fracture fixation Allahabad 20<sup>th</sup> Jan 2008 (acetabulum fractures –basics)
- 3, Faculty at UPIOACON 2-3rd Feb 2007 Aligarh UP (AVN current concepts at an early stage)
- 4, Faculty at GOACON 8-9<sup>th</sup> Feb 2008 Anand, Gujrat (Early AVN-what is the best management)
- 5, Presentation in AOAA annual symposium 15-16<sup>th</sup> march 2008 (stress fractures neck femur) Mount Abu, Rajsthan.
- 6, Presentation in AOAA Chandigarh chapter IOA symposium 20<sup>th</sup> July 2008 (periprosthetic fractures)
- 7, Presentation in IOA MP chapter 'Fracture dislocation hip' 4<sup>th</sup> oct 2008
- 8, Presentation in IOA MP Chapter "current concepts in AVN" 4<sup>th</sup> oct 2008
- 9, presentation at AO introduction course Rohtak 26<sup>th</sup> Oct 2008
- 10, Presentation at IOA HP Chapter mandi HP 1<sup>st</sup> nov 2008.
- 11, Presentation at IOA stem cell in AVN 5<sup>th</sup> dec 2008.
- 12, Faculty WIROC (acetabulum fractures Post approach) 26<sup>th</sup> dec 2008 Mumbai.

## 2007

- \* Faculty at COACON 2007 Jan 12-14 Raipur (acetabulum fractures)
- \* Faculty at GOACON 18-19<sup>th</sup> Feb 2007 Vapi Gujrat (post operative infection-what to do?)
- \* Faculty at IAA CON 22<sup>nd</sup> February Chandigarh (DVT how to avoid in arthroplasty)
- \* Faculty at AOAA meeting at Mangalore 24-25<sup>th</sup> March 2007 (Fat embolism syndrome)
- \* Faculty at N Z Chapter IOA Ludhiana April 2007 (acetabular Trauma)
- \* Faculty in AO basic Course at Chandigarh 13-15<sup>th</sup> April. (distal femoral fractures)
- \* Faculty 2<sup>nd</sup>-3rd June CME on pelvi-acetabular injuries Pune (External fixator in pelvic injuries)
- \* Faculty HP Chapter OA at Shimla 9<sup>th</sup> Sept 2007 (
- \* Chairperson CEZCON at Raipur 27<sup>th</sup> Oct 2007 Raipur, Chhattisgarh
- \* Faculty International Gynae Plast Surg Dehradun 17<sup>th</sup> Nov 2007 (Complications of pelvic injuries in females)
- \* Faculty CME in Annual IOA meeting at Kolkatta 5<sup>th</sup> Dec 2007 (complications in pelvic fractures)
- \* Faculty Master Hip Course Mumbai 9-14<sup>th</sup> Dec 2007 (femur head fractures, stem cells and CD in AVN)
- \* Faculty at Varanasi Chapter IOA on 22<sup>nd</sup> Dec 2007 (acetabulum Fractures).
- \* Oration at Baroda Orthopaedic Society 30<sup>th</sup> Dec 2007 (Current concepts in hip problems i.e. AVN, Hip dislocations & fractures.

## 2006

- \* Faculty IOA UP Chapter meeting at Varanasi 26-27<sup>th</sup> Jan 2006. (Pelvic injuries)
- \* Faculty at AOAA meeting at Kolkata 3-4<sup>th</sup> march 2006-04-19 (Biomaterials in orthopaedics)

- \* Faculty at IOAICL course at Jabalpur 1-2<sup>nd</sup> April 2006.( pelvic injuries)
- \* Faculty at Allahabad IMA meeting 12<sup>th</sup> August 2006 (pelviacetabular trauma)
- \* Faculty at APOA Infection section meeting khajuraho sept 2006 (infection after plate fixation)
- \* Faculty at Lobo memorial oration Ludhiana (acetabulum fractures)
- \* Faculty at IOA Chandigarth chapter (osteoporosis fractures)
- \* Faculty at IOA HP chapter (difficult case discussions)
- \* Faculty at AO Advanced course 6-9<sup>th</sup> Nov 2006 **New Delhi** (distal femur fractures)
- \* Faculty at IOACON **Delhi** 10-11<sup>th</sup> Nov (acetabulum fractures technique in reduction, Infection after plate fixation)
- \* Faculty at Master hip course **Mumbai** Dec 25<sup>th</sup>-30<sup>th</sup> . (acetabulum fractures difficult reductions)

## 2005

- \*Faculty AOAA Annual meeting at **Chandigarh** 8-9<sup>th</sup> Jan 2005 Pelvic injuries.
- \* Faculty Annual Conf NAILS at **Pune** 19<sup>th</sup>-20<sup>th</sup> March 2005. FES in IMN fixation.
- \* Faculty Instructional Course lectures Indian Orthopaedic Association **Mangalore** 1-3<sup>rd</sup> April 2005.Fracture clavicle for ORIF,Complex acetabulum fractures,Scapular fractures
- \* Faculty AO spine course **Shimla** 7-8<sup>th</sup> may 2005 'vertebroplasty'
- \* Faculty Hip and Knee symposium **Nagpur** 13-14 August 2005 femur head fractures, AVN in hip dislocations
- \* Faculty Mid term UP Chapter IOA **Agra** 10<sup>th</sup> Sept 2005-10-09. Pelvic injuries, Acetabulum fractures
- \* Faculty Post Graduate Ortho Update 2<sup>nd</sup> October **Patna** 2005. Physeal injuries around knee, Nonunions of knee joint Acetabulum fractures- an overview
- \* Brain storming session in DBT on Stem cell in Orthopaedics 13<sup>th</sup> Oct 2005 , Stem cell in AVN femur head.
- \*Faculty **Ludhiana** Orthopaedic Association meeting 13<sup>th</sup> Nov 2005-11-25 Acetabulum fractures management
- \*Faculty Himachal Chapter of IOA Annual Meeting 20<sup>th</sup> Nov 2005 **Rampur** HP,(Multiple trauma).
- \*Faculty IOA Golden Jubilee meeting 25-30<sup>th</sup> Dec 2005 **Mumbai**.(6 lectures)

## 2004

- \* AOAA annual meeting LTMG hospital **Mumbai** 14<sup>th</sup>-15<sup>th</sup> Feb.2004 Posterior pelvic fixations.
- \* POSI Annual meeting 19<sup>th</sup><sup>st</sup>-22<sup>nd</sup> Feb 2004 **Allahabad** UP Paediatric forearm fractures
- \* CME workshop IOA UPCON 7<sup>th</sup>-8<sup>th</sup> Feb 2004 **Kanpur** UP Proximal femoral fractures.
- \* National Association of Interlocking Surgeons Annual meeting 28<sup>th</sup>-29<sup>th</sup> feb 2004 **Ludhiana**. IMN and FES and Poly-trauma
- \* Instructional Course lectures IOA at **Rohtak** Haryana 18<sup>th</sup> March 2004 (Polytrauma patient ILN)
- \* Punjab Chapter meeting IOA 9-10<sup>th</sup> April 2004 GM college Hospital **Chandigarh** (fat embolism)
- \* Guest Speaker in CME organized in Army Hospital **Lucknow** 2-3<sup>rd</sup> Sept 2004

## Pelvic injuries

- \* Guest Speaker in Annual MP Chapter IOA meet **Ujjain** 10 Oct 2004  
Pelvic fractures
- \* Guest Speaker in Annual Meet of IOA HP Chapter **Shimla** 23 oct 2004-12-31  
compartment syndromes
- \* Guest Speaker in Annual **Delhi** Orthopaedic Association 20<sup>th</sup> Nov 2004  
Physical injuries upper limb  
Pelvic fractures
- \* Faculty speaker for IOA National Conference in Workshop of Spine  
Surgery 15<sup>th</sup> Dec **Agra** 2004 Anatomy of disc
- \* Faculty in IOA main conference at **Agra** 2004 18<sup>th</sup> Dec 2004.  
Difficult cases in ortho trauma

## 2003

- \* CME On Management of trauma and resuscitation  
29<sup>th</sup> October 2003 **UNA** HP Emergency skeletal management.
- \* IOA Haryana Chapter Annual meeting **AMBALA**  
1<sup>st</sup>-2<sup>nd</sup> November 2003 Pipkin fracture dislocations
- \* IOA H P Chapter 12<sup>th</sup> Annual meeting **Sunder Nagar** HP  
Pelvic fractures 15<sup>th</sup>-16<sup>th</sup> November 2003

## 2002

- \* CME HP Chapter of general Surgeons **MANDI** HP  
29<sup>th</sup> april 2002 (Orthopaedic trauma for general Surgeon)
- \* CME IOA HP Chapter Workshop on AO technique, **DHARAMSHALA**  
May 2002 (Humerus fractures operative principles)
- \* CME of IOA HP chapter **SHIMLA** 29<sup>th</sup> Sept 2002  
Principles of acetabulum fracture surgery
- \* CME of Utteranchal Chapter IOA 22<sup>nd</sup> Oct 2002 Haldwani
- \* CME of IOA Annual Conference **PATNA** 14<sup>th</sup> Nov 2002  
Open pelvic fractures management

## 2001

- \* CME Lower Limb Trauma Jolly Grant 'DEHRADUN,  
25<sup>th</sup> March 2001, (Acetabulum Fractures)
- \* AO Symposium on complex articular trauma April 6-7<sup>th</sup>, 2001  
**CHENNAI**, (Femoral head fractures)
- \* IOA MP Chapter Annual Meet 28-29th Sept **BHOPAL**  
(Indications for acetabulum surgery)
- \* IOA HP Annual Meeting 10th Nov. **Bilaspur** HP  
(Infection in trauma surgery)
- \* AOAA Annual meeting Nov 24-25th **CHENNAI**  
(Femur fixation in poly trauma patients)
- \* AO Seminar in Annual Conference of IOA in Dec 2001 **AHMEDABAD**  
(Radiology and classifications in acetabular fractures)

## 2000

- \* ORP Training Course **ALIGARH** 19-20th Feb 2000  
(Preparing OT for Open Fractures)
- \* Workshop on Interlocking nail North Zone Chapter of IOA  
**DMC Ludhiana** 25-28<sup>th</sup> Feb 2000(Planning and technique in IL Nailing)

- \*CME Update Medicine organized by CAIJ Chandigarh in  
PGI CHANDIGARH 4th March 2000
- \*CME on Complex limb Trauma, Rajah Mundry, Hyderabad 14th  
July 2000 (Orthopaedic Emergencies)
- \*IOA HP Chapter 24th September 2000 Solan, HP,  
(Articular Fractures management)  
(Radiology and treatment in acetabulum fractures)
- 1999
  - \*AO Basic Course 16-18th July 1999 NEW DELHI
  - \*AO Basic Course 19-20th July 1999 CHANDIGARH
  - \*8th Annual Conference of HP Chapter on 23-24th Sept. 1999  
Dharamsala (HP) (Implant failures)
  - \* AO Alumni Association Symposium 19-21st Nov 1999 at MT ABU  
(Rajasthan) (Proximal Metaphyseal fractures)
- 1998
  - \*Illizarov Workshop July 11<sup>th</sup> 1998 SHIMLA (Guest Faculty)
  - \* CME on Trauma Anaesthesia and Intensive care 'PGI CHANDIGARH Aug 8-  
9th 1998 (Trauma Scoring Systems)
  - \* Training of Master trainers for Orientation of MO working in PHC in Disability  
management. 23-26 September 1998. STI of H & F W Panchkula, HARYANA.
- 1997
  - \*Workshop on Disaster Preparedness in MANALI June 12-14<sup>th</sup> 1997  
(Disaster preparedness in PGI Chandigarh)
  - \* WHO Workshop on Capacity building for Essential Trauma care in  
in Primary Health Institutions July 7-11<sup>th</sup>, 1997. GMC CHANDIGARH  
(Injuries of femur and dislocation hip)
  - \* WHO Workshop on Capacity building for Essential Trauma care  
in Primary Health Institutions Aug. 21-24<sup>th</sup> 1997 MANALI  
(Primary care of an injured patient)
  - \* 6th Annual Conf IOA HP Chapter UNA Sept 28<sup>th</sup> 1997. (LCDCP fixations in  
upper extremity fractures)
- 1996
  - \*5th Annual Conf IOA HP Chapter MANDI Oct 1996  
(Trochantric fractures Operative fixations)
  - \* CME Command Hospital CHANDIMANDIR, Haryana,  
June 15-16 1996. (Severity scores in motor vehicle accidents)
- 1995
  - \*4th Annual Conf IOA HP Chapter SHIMLA Oct 1995  
(Distal humerus fractures)
- 1994
  - \*3<sup>rd</sup> Annual Conf IOA HP Chapter MANALI, Sept 1994  
(Injury severity scores)
- 1992
  - \*11th Annual Conf. of IOA MP Chapter UJJAIN Oct 17-18 1992.  
(Osgood Schlatter disease)
- 1989
  - \*Seminar on Industrial Health ACC Barmana H.P  
.Sept 16, 1989. (Worker at Risk)

## RESEARCH PAPER PRESENTATIONS

### TOTAL 25

#### IN NATIONAL CONFERENCES OF IOA: 12

- 1986 \* IOA 31st Annual Conf. Oct 24-26th 1986 CUTTACK  
(OSD in relation to a new angle of patella)
- 1987 \* IOA 32nd Annual Conf Oct 10-13th 1987 NEW DELHI  
(Ipsilateral arm and forearm injuries)
- 1988 \* IOA 33<sup>rd</sup> Annual Conf Oct 28-30<sup>th</sup> 1988 MADURAI  
(Ultrasonography in hip effusions)
- 1989 \* IOA 34<sup>th</sup> Annual Conf Nov.16-19<sup>th</sup> 1989 AHMEDABAD  
(Anatomical factors for elbow dislocations)
- 1990 \* IOA 35th Annual Conf Nov 22,1990 VIZAG  
(Sinding Larsen Johansson disease)
- 1992 \* IOA 37th Annual Conf Nov 15-18th 1992 LUCKNOW (Snow injuries)
- 1994 \* IOA 39<sup>th</sup> Annual Conf Nov.23-27<sup>th</sup> 1994 BANGLORE  
(Patellar index in OSD)
- 1997 \* IOA 42nd Annual Conf Nov 27-30th 1997 KOCHI  
(Bacterial load in tissues for prediction of infection)
- 1999 \* IOA Annual Conf Dec 14th-18<sup>th</sup> 1999 HYDERABAD  
(Acetabulum fractures operative care)
- 2000 \* IOA Annual Conf Oct 31-3rd Nov 2000 JAIPUR  
(Femoral Head Fractures)
- 2004 \* IOA Annual Conf Dec 15-19 2004 AGRA  
(Reducibility in acetabulum fractures)
- 2007 \* Participation in AO trainer tips at New Delhi 6-7<sup>th</sup> February

#### IN SUB SPECIALITY National: 4

- 1990 \* Int. Congress on Industrial Foot Injuries (Foot injuries in cement Industry)  
along with Indian Foot Society Ann Meet April, 1990 JAMSHEDPUR
- 1997 \* POSI 5th Annual Meeting March 27-1<sup>st</sup> April 1997, PUNE (Traction  
osteochondritis around knee in children)
- \* 2nd Int. Conf on Trauma and Critical care Oct 17-19th 1997 NEW DELHI  
(Vehicle related morbidity pattern in MVA)
- 2000 \* AO Alumni Assoc 7<sup>th</sup>- 8<sup>th</sup> Nov MANESAR Haryana (Femoral Head Fractures)

#### in Regional Conferences: 9

- 1986 \* 5<sup>th</sup> NZ Chapter IOA Annual Meet April 19-20,1986, PGI CHANDIGARH  
(Fracture patella in frontal plane)
- 1988 \* 7<sup>th</sup> NZ Chapter IOA Annual Meet Feb 20-21, 1988 LUDHIANA  
(Injuries of Talus)
- 1989 \* 8<sup>th</sup> NZ Chapter IOA Annual Meet Feb 25-26<sup>th</sup> 1989 NEW DELHI  
(Early weight bearing in tibial fractures)
- 1990 \* Indian Foot Society Annual Meet April, 1990 JAMSHEDPUR  
(Talus fractures)



- 1991 \*10<sup>th</sup> NZ Chapter IOA Annual Meeting, 6-7<sup>th</sup> 1991, SHIMLA  
(Patellar index in OSD)
- 1992 \*11<sup>th</sup> NZ Chapter IOA Annual Meet March 28-29,1992, NANGAL  
(Snow injuries-a profile).
- 1993 \*12<sup>th</sup> NZ Chapter IOA Annual Meet Feb26-28<sup>th</sup> 1993, ROHTAK  
(Anatomical factors in elbow dislocations)
- 1996 \*15<sup>th</sup> NZ Chapter IOA Annual Meet March 29-31, 1996 JAMMU  
(Intercondylar fractures humerus)
- 1998 \*17<sup>th</sup> NZ Chapter IOA Meet March 27-29<sup>th</sup> March 1998 PATIALA  
(Intercondylar fractures of humerus)

### **EXAMINER FOR POST GRADUATION FNB/DNB/ MS ORTHO/ MBBS,**

#### **International:**

- University of Malaya Kuala Lumpur **Malaysia 2006**
- National Academy Medical Sciences Kathmandu **Nepal 2009**
- Teaching Hospital Kathmandu **Nepal 2010**
- Technology University **Mauritius 2013**
- Combined Universities Orthopaedic Examination **Malaysia 2015**

#### **National:**

- Himachal University, Punjab University, Baba Farid Medical University, AIIMS New Delhi, Aligarh Muslim University, West Bengal university, Banaras Hindu University, Data Meghe University Nagpur, Jammu University, Kashmir University.
- National Board of Examinations

### **MEMBERSHIP SCIENTIFIC ASSOCIATIONS**

#### **INTERNATIONAL**

- AO TRAUMA –Gold member**
- WOC (World Ortho Concern),SICOT (Society for International Orthopaedics &Traumatology),AOAA (Association steosynthesis Alumni Association), APOA (Asia Pacific Orthopaedic Association),AADO (Asian Association for Dynamic Osteosynthesis,**

#### **NATIONAL**

IOA (Indian Orthopaedics Association), IAA (Indian Arthroplasty Association), IMA(Indian Medical Association) , IAMS(Indian Academy of Medical Specialties), NACCM(National Association of Critical Care Medicine), TSI (Trauma society of India), IOA North Zone Association , IOA HP Chapter, Chandigarh chapter IOA, IABMR (Indian Association of Bone and Mineral Research)

**VICE PRESIDENT, Indian Orthopaedic Association 2012-2013**

## **FOUNDER SECRETARY & PRESIDENT ELECT Association of Pelvi-acetabular surgeons of India**

### **CONTRIBUTION TO SCIENTIFIC ACTIVITIES**

#### **INTERNATIONAL:**

**MEMBER Executive committee (SAARC Ortho Assoc.2008-12)**

#### **NATIONAL:**

- **CHAIRMAN RESEARCH FOUNDATION Indian Ortho Association 2009-11.**
- **SECRETARY AO Alumni Association -India Chapter, 2007-10.**
- **FOUNDER SECRETARY Assoc. Pelvi-Acetabular Surgeons of India.2007-11**
- **Representative to IOA from HP, J&K, Chandigarh 2004-6**
- **SECRETARY Chandigarh Chapter of IOA Chandigarh 2005-8**
- **FOUNDER SECRETARY of IOA HP Chapter in 1992-3**

### **CONFERENCE ORGANIZATION**

- **Organizing Secretary** 1<sup>st</sup> APASI meeting 27-28<sup>th</sup> September 2009 Chandigarh.
- **Organizing Co-Chairman** AOAA Annual Symposium 6-8<sup>th</sup> March 2009 Shimla
- **Organizing Chairman** AOAA Regional symposium Panchkula 20<sup>th</sup> July 2008.
- **Organizing Secretary** Annual IOA- Chandigarh Chapter meeting 10<sup>th</sup> Sept 2006.
- **Organizing Secretary** Annual IOA- Chandigarh Chapter meeting & AOAA regional symposium 6<sup>th</sup> Nov 2005.
- **Organizing Secretary** AOAA Annual Symposium Chandigarh 8<sup>th</sup> Jan 2005.
  - **Joint Org, Secretary** in North Zone Chapter of IOA 1994, Indian Arthroplasty Association 1995, Paediatric Orthopaedic Society India 1996, North Zone Chapter IOA 1999, IAA annual meeting 2007 Feb., **Organizing Secretary** 1<sup>st</sup> Annual Conference at Sunder Nagar H.P in 1992., **Organized** Seminar on Industrial Health Barmana (BLP, H.P.) 1988.

### **ADMINISTRATIVE EXPERIENCE**

#### **I. INSTITUTIONAL LEVEL**

- i. NODAL OFFICER TRAUMA CENTER in PGIMER 2008-2011**
- ii. Secretary of Trauma Operationalization committee various hospital committees**
  - **Membership Various Administrative committees** (stem cell development committee 2007-till date, Hospital improvement committee 2009 onwards, Hospital computerization program committee member 2007)
  - Incharge, Orthopaedic trauma services PGIMER 1993-2007
  - Disability board member 1996-98
- iii. ORTHOPAEDIC TRAUMA INCHARGE For 12 years**

#### **II. SUBJECT EXPERT: Faculty of Sports Medicine and Physiotherapy GNDU Amritsar**

#### **III. Nodal officer Trauma Center monitoring committee PGIMER 2008-2011**

- IV. Member Secretary Trauma center Operationalization committee PGIMER  
Advance Trauma center 2011-onwards
- V. EXPERT ADVISOR: Trauma Center formation Srinagar under Central Govt.

### **EDITORIAL EXPERIENCE**

**EDITOR TRAUMA** Indian Journal Orthopaedics (5 years)

**REVIEWER FOR**

Malaysian Jour of Orthopaedics (4 years)

International Jour. Gynaeplast surgery (1 yr)

Ind Journal Orthopaedics & Rehabilitation

Journal of Genome and genetics

Ind Journal Medical Research

Arch Orthopaedics & Traumatology

### **ARTICLES PUBLISHED IN INDEXED LOCAL / INTERNATIONAL JOURNALS.**

Pubmed indexed	97
Other international Journals	18
National Journals (Indian)	63
<b>TOTAL</b>	<b>178</b>
<b>CHAPTER IN BOOKS</b>	<b>14</b>

### **PUBMED PUBLICATIONS**

2016

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2: Prakash M, Gupta P, Dhillon MS, Sen RK, Khandelwal N. Magnetic resonance imaging findings in tubercular arthritis of elbow. Clin Imaging. 2016Jan-Feb;40(1):114-8. doi: 10.1016/j.clinimag.2015.08.008. Epub 2015 Aug 15. PubMed PMID: 26372351.

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## TEACHING AND TRAINING EXPERIENCE

### MS THESIS GUIDED AS MAIN GUIDE

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1.	Vikas Mandial	June, 01	Acetabulum fractures outcome analysis in relation to fracture morphology
2.	Faizal Kareem	June, 02	Analysis of Pelvic fracture Morphology and correlation with its associated complications
3.	Awadhesh Kumar Pandey	June , 03	The role of arthroscopic aided release of contractures in posttraumatic and post operative stiff knees
5.	Raghav Saini	June, 04	Profile Of Sacral Fractures and their functional outcome
4.	Lokesh A.V.	Dec ,04	Outcome Analysis in Pelvi-Acetabular Trauma
6.	Rishi Mugesh Kanna. P	June ,05	Analysis of preoperative variables in the surgical management of fracture acetabulum
7.	Tajir Tamuk	June , 05	Analysis of variables in management of unstable pelvic fractures
8	Mallikarjun	Dec 05	Analysis of variables for Fat embolism syndrome in femur fractures
9	Nirmal Raj. G	June 06	Fat embolism syndrome as a complication of post traumatic shock in polytrauma patients
10	Anil Partap. R	June 06	To study the effects of surgical stabilization of femur during active phase of fat embolism syndrome
11	Sandeep kashyap	Dec 06	Traumatic dislocation and fracture dislocation hip: retrospective follow up study
12	Lalit Kumar	June 07	Early diagnosis of avascular necrosis using MRI and nuclear scan in post traumatic posterior dislocation of hip
13	Amit kumar Agarwal	June 08	Role of inhalational steroids in prophylaxis of post traumatic hypoxemia and FES
14	Vibhu	june 2009	Prevention of FES using Intravenous steroids in high risk trauma patients
15	Amit Kuma	dec 2009	Risk of venous thromboembolism in postoperative case of pelvi-acetabular injury among Indian population
16	Chenthuran D	june 2010	Outcome of core decompression in early stage osteonecrosis of hip post traumatic Vs non traumatic
17	Jagdeesh	dec 2010	Development of new hip score
18	shivaprakash	Dec 2011	Interlukin 6 in prediction of FES
19	Umesh Meena	June 2012	Functional outcome in acetabulum fractures
20	vikas	Dec 2012	Functional outcome in pelvic fractures
21	Harsha	June 2013	Epidemiology of AVN
22	Parsoon	Dec 2013	THR outcome analysis in routine Hips

23	Ranjan	June 2013	Validation of KOOS
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**PhD/MS /MD/MCh/DNB/MHA/MSc THESIS GUIDED AS CO GUIDE**

no	Name	Degree	Name of thesis/Dissertation
1.	Suresh Molathoti	M.S.ortho June, 95	Profile of different risk factors in hip fractures
2.	Salil Saha	M.S.ortho Dec, 95	Profile of indices for diagnosis of hip infection in children
3.	Parsanna H.M.	M.S. ortho Dec, 95	Study of management of femoral shaft fractures with limited contact dynamic compression plate (LC-DCP)
4.	Chandramou II B	M.S.ortho Dec, 96	Comparative evaluation of safety profile in unilateral and simultaneous bilateral total knee arthroplasty
5.	Mohinder kaushal	DNB ortho. Feb , 96	Management of unstable tibial diphysel fractures by external fixation
6.	A.V. RMohan	M.S.ortho June ,96	Acute osteomyelitis in children – a profile
7.	Ravindra Puttaswamai ah	M.S.ortho June, 98	Assessment of torsional deformities after fractures of the femoral shaft in paediatric age group
8.	Jyoti Jagdish M.	M.Ch Plastic surgery 2000	Assessment of Zone of Trauma in high velocity extremity injuries
10.	Mandeep Singh Virk	M.S.ortho June, 03	Arthroscopic assisted osteosynthesis of selected tibial plateau fractures
11.	R.Senthil Kumar	M.S.ortho Dec, 03	Functional out come of hip abductors following DHS trochanter stabilising plate for unstable inter trochanteric fractures
12.	Prabhudev Parsad A.P.	M.S.ortho June ,04	Functional radiological and anthropometric assessment and their correlation in club feet treated with posteromedial soft tissue release
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15	Ashok Thomas	M.S.ortho Dec, 05	Evaluation of ponseti method in the treatment of idiopathic club foot (CTEB) previously treated by non operative methods
16	Manish Pruthi	M.S.ortho June,06	Evaluation of ponseti method of manipulation and casting in patients with idiopathic congenital club foot
17	Arun Kumar Sharma	M.S.ortho Dec, 06	Dome osteotomy in cubitus varus short term post operative follow up
18	Lt Col Dipankar Ojha	M.H.A. March ,08	An evaluation of disaster preparedness of the hospital attached to the postgraduate institute of medical education and research ,(PGIMER) chandigarh
19	Sandeep Kumar Arora	PhD 2008	Exploiting single chain variable fragment(scFv) antibodies for development of precursor technologies to use as an immunodiagnostic test for human leucocyte antigen-B-27(HLA-B27)
20	Emal Wardak	M S ortho june 08	Role of MRI in detecting early physeal changes due to acute osteoarticular Infection around the knee joint
21	Harisankar C.N.B	MD Nuc. Med dec 09	Role of hybrid spect/ct in characterising bone lesions in patients with low back pain



