

RECENT ADVANCES & TECHNIQUES
in
JOINT REPLACEMENT SURGERY
and
ARTHROSCOPY

SEVENTEENTH ANNUAL
WINTER CONFERENCE

February 21st - 23rd, 2019

New Delhi, India

Presented by:



New York

Sponsored by:



HSS

Course Chairman

Amar S. Ranawat MD

www.ranawatorthopaedics.com

Conference Location
Hotel Pullman New Delhi Aerocity

Asset No 02

GMR Hospitality District
New Delhi, Delhi 110037, India



For hotel accommodation please contact Hotel Pullman New Delhi Aerocity

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Ranawat Orthopaedic Research Foundation Fellows Interviews:

Joint Replacement - Thursday, February 21, 2019 4:00pm - 5:00pm

Sports - Thursday, February 21, 2019 6:00pm - 6:30pm

Ranawat Orthopaedic Research Foundation Fellows Meeting

Thursday, February 21, 2019 5:15pm - 7:30pm

Course Registration:

Sports - Thursday, February 21, 2019 8:00am - 9:30am

Joint Replacement - Friday, February 22, 2019 7:15am - 9:15am

2020 Conference Location

Mumbai

Thursday, January 30th to Saturday, February 1st

February 22nd & 23rd, 2019
Chairman: Amar S. Ranawat, MD

Foreign Faculty	Local Faculty		
JOSHUA S. DINES, MD Hospital for Special Surgery New York, USA	ABHIJIT AGASHE, MS Pune	VIKAS KAPOOR, MS Kolkata	SUNIL RAJAN, MS Indore
DAVID H. KIM, MD Hospital for Special Surgery New York, USA	ANIL ARORA, MS New Delhi	UDAY KRISHNA, MS Hyderabad	ASHOK RAJGOPAL, MS New Delhi
NEIL P. SHETH, MD Hospital of the University of Pennsylvania Pennsylvania, USA	MOHIT ARORA, MS Amritsar	NANDU LAUD, MS Mumbai	RAKESH RAJPUT, MS Kolkata
ANIL S. RANAWAT, MD Hospital for Special Surgery New York, USA	SM BANDEKAR, MS Goa	RAMNEEK MAHAJAN, MS New Delhi	A.V. GURAVA REDDY, MS Hyderabad
JOSE A. RODRIGUEZ, MD Hospital for Special Surgery New York, USA	RUSHAY BHALODIA, MS Ahmedabad	SANJEEV MAHAJAN, MS Ludhiana	NARINDRA REDDY, MS Guntur
WILLIAM L. WALTER Royal North Shore Hospital University of Sydney Sydney, Australia	SUJOY K. BHATTACHARJEE, MS New Delhi	UMESH MAHAJAN, MS Nagpur	K.H. SANCHETI, MS Pune
MARTIN ZIMMERMANN, PhD Phillipians	HARISH S. BHENDE, MS Mumbai	J. MAHESHWARI, MS New Delhi	HARGUN SANGTANI, MS Nagpur
K.T. Dholakia Award	PRADEEP B. BHOSALE, MS Mumbai	RAJESH MALHOTRA, MS New Delhi	ASHIT H. SHAH, MS Mumbai
from 2018	VIJAY BOSE, MS Chennai	RAJESH MANIAR, MS Mumbai	VRAJESH SHAH, MS Baroda
PRADEEP MANDYA, MS Coimbatore	P. CHANDRASEKHAR, MS Bengaluru	DHIRAJ MAROTHI, MS Ahmedabad	K.R. SHARATH, MS Bengaluru
KT RAJASHEKHAR, MS Bengaluru	THOMAS CHANDY, MS Bengaluru	ATUL MISHRA, MS New Delhi	MRINAL SHARMA, MS New Delhi
	BD CHATTERJEE, MS Kolkata	VIVEK MITTAL New Delhi	RAJEEV SHARMA, MS New Delhi
	MOHAN DESAI, MS Mumbai	SHUBHRANSHU MOHANTY, MS Mumbai	SANTOSE SHETTY, MS Mumbai
	P. DHANASEKAR RAJA, MS Coimbatore	JAGADEESH NALLAMOTHU, MS Vijayawada	AVTAR SINGH, MS Amritsar
	SANKET DIWANJI, MS Surat	IPS OBEROI, MS New Delhi	JV SRINIVAS, MS Bengaluru
	HARISH GHOOTA, MS Faridabad	ANIL OOMMEN, MS Vellore	JAI THILAK, MS Cochin
	SANJEEV JAIN, MS Mumbai	AMITE PANKAJ, MS New Delhi	TEJAS UPASINI, MS Mumbai
	BS JAYARAM, MS Bengaluru	DIMPLE PAREKH, MS Ahmedabad	NARENDRA VAIDYA, MS Pune
	ANOOP JHURANI, MS Jaipur	SUMAN PENDYALA, MS Vijayawada	SHRINAND VAIDYA, MS Mumbai
	VINAY JOSHI, MS Mumbai	AS PRASAD, MS Kanpur	CS YADAV, MS New Delhi

PROGRAM

Friday February 22nd, 2019

9:15 AM - 9:18 AM **Welcome Remarks** **Am. Ranawat**
9:18 AM - 9:30 AM Lighting Ceremony: Mahurat Ceremony **K. Sancheti**
Tradition is the Gold Standard **N. Laud**

GENERAL TOPICS

Session I **Trends in Shoulder & Partial Knee Arthroplasty** **Moderator: An. Ranawat**
9:30 AM - 9:36 AM Total and Reverse Shoulder **J. Dines**
9:36 AM - 9:43 AM Unicompartmental Knee Arthroplasty - Navio **A. Jhurani**
9:43 AM - 9:51 AM Unicompartmental Knee Arthroplasty - Mako **J. Thilak**

Review of Trends in Shoulder & Partial Knee Arthroplasty **Moderator: An. Ranawat**
9:51 AM - 10:07 AM **A Panel Discussion** **Panel Members: J. Dines**
A. Jhurani
J. Thilak

KNEE TOPICS

Session II **My Approach to Primary TKA** **Moderator: J. Rodriguez**
10:07 AM - 10:37 AM *Moderator will present what he does on each topic, using slides or video, then ask questions of the panel members* **Panel Members: J. Maheshwari**
Surgical Technique **R. Maniar**
Correction of Deformities: **D. Parekh**
Varus **P. Dhanasekar Raja**
Valgus **A. Rajgopal**
Extra Articular **G. Reddy**
Tibial Component Cementing Technique **A. Shah**
N. Sheth

Session III **Anesthesia and Periarticular Injection in TKA** **Moderator: Am. Ranawat**
10:37 AM - 10:44 AM Motor Sparing Blocks: **D. Kim**
ACB, IPACK, Superior Trunk Block & Catheters
10:44 AM - 10:50 AM General Anesthesia: Is there a role? **G. Reddy**
10:50 AM - 10:56 AM Periarticular Injection **H. Bhende**

10:56 AM - 11:17 AM **Delegate Questions From the Floor** **Moderator: Am. Ranawat**
Panel Members: H. Bhende
D. Kim
R. Maniar
A. Rajgopal
An. Ranawat
G. Reddy
J. Rodriguez

11:17 AM - 11:37 AM **COFFEE BREAK**

Friday February 22nd, 2018
KNEE TOPICS – continued

Session IV

Complications in TKA

Moderator: W. Walter

Presentations are based on actual cases

11:37 AM - 11:43 AM	Painful and Stiff Knee	N. Reddy
11:43 AM - 11:49 AM	Mid Flexion Instability	P. Chandrasekhar
11:49 AM - 11:55 AM	Treatment of the Unstable Knee	D. Marothi
11:55 AM - 12:01 PM	Osteolysis and Loosening	S. Mohanty
12:01 PM - 12:07 PM	Periprosthetic Fractures	JV Srinivas
12:07 PM - 12:13 PM	Reconstruction of Extensor Mechanism Deficiency	A. Rajgopal

Review of Complications in TKA

Moderator: W. Walter

12:13 PM - 12:37 PM A Panel Discussion

Panel Members: P. Chandrasekhar
D. Marothi
S. Mohanty
A. Rajgopal
N. Reddy
JV Srinivas

12:37 PM - 1:02 PM Delegate Questions From the Floor

Moderator: Am. Ranawat
Panel Members: P. Chandrasekhar
D. Marothi
S. Mohanty
A. Rajgopal
N. Reddy
JV Srinivas
W. Walter

1:02 PM - 2:02 PM LUNCH

Session V

Difficult Cases in TKA

Moderator: N. Sheth

2:02 PM - 3:32 PM Each speaker will present his *most difficult case* and outcome (5 Minutes). Moderator will comment and ask questions of each Speaker after presentation (6 Minutes)

Presenters
BD. Chatterjee
A. Jhurani
R. Malhotra
V. Mittal
P. Dhanasekar Raja
J. Rodriguez
N. Vaidya
S. Vaidya

3:32 PM - 3:57 PM Delegate Questions From the Floor

Moderator: N. Sheth
Panel Members: BD. Chatterjee
A. Jhurani
R. Malhotra
V. Mittal
P. Dhanasekar Raja
J. Rodriguez
N. Vaidya
S. Vaidya

Friday February 22nd, 2018
KNEE TOPICS – continued

Session VI

3:57 PM – 4:17 PM

Preoperative Optimization of TKA Risks

A Panel Discussion Only: No Presentations

Moderator presents each topic using slides,
then asks questions of panel members

- Obesity
- Malnutrition
- Diabetes
- Previous Surgery with Multiple Scars

Moderator: A. Rajgopal

Panel Members: V. Bose
T. Chandy
H. Ghoora
U. Krishna
S. Mahajan
R. Malhotra
G. Reddy

4:17 PM – 4:37 PM

Delegate Questions From the Floor

Moderator: A. Rajgopal

Panel Members: V. Bose
T. Chandy
H. Ghoora
U. Krishna
S. Mahajan
R. Malhotra
G. Reddy

4:37 PM – 4:57 PM COFFEE BREAK

Session VII

4:57 PM – 6:27 PM

Case Presentation: Primary or Complex TKA

Questions To be Answered

- Importance of the tibial cut
- How to size the knee correctly
- Importance of rotational alignment of the components
- Achieving a well balanced knee

Moderator: Am. Ranawat

Panel Members: J. Maheshwari
R. Maniar
D. Parekh
A. Rajgopal
G. Reddy
J. Rodriguez
N. Sheth

**8 Minutes
Per Case**

Eleven (11) Podium Presentations

Guidelines for Presenters

- Brief history physical
- Show AP and lateral pre-op images using long films
- Moderator will ask for Comments from Panel Members
- Moderator will request Presenter to Show
AP, Lateral and Patella skyline post-op images using long films
- Closing comments by moderator

Presenters:

A. Agashe
M. Arora
R. Bhalodia
S. Bhattacharjee
S. Diwanji
U. Mahajan
S. Pendyala
H. Sangtani
V. Shah
S. Shetty
T. Upasini

Friday February 22nd, 2018
KNEE TOPICS - continued

Session VIII

Delegate Discussion

6:27 PM - 6:52 PM Delegate Questions From the Floor

Moderator: Am. Ranawat

Panel Members: H. Bhende
D. Kim
R. Malhotra
A. Rajgopal
G. Reddy
J. Rodriguez
N. Sheth

6:52 PM - 6:57 PM Review and Comments

Am. Ranawat

7:17 PM - 8:17 PM DePuy Synthes Sponsored Session

Moderator:

8:00 PM onwards Gala Dinner

PROGRAM
Saturday February 23rd, 2018
Knee Topics- Continued

9:15 AM - 9:20 AM **Review and Comments**

Am. Ranawat

Paper Presentation K.T. Dholakia Award

Moderator: Am. Ranawat

9:20 AM - 9:27 AM <40 -

xxx

9:27 AM - 9:34 AM >40 -

xxx

9:34 AM - 9:50 AM **Discussion & Questions from the Floor**

Session IX My Approach to Revision TKA

Moderator: R. Maniar

9:50 AM - 10:20 AM *Moderator will present what he does on each topic, using slides or video, then ask questions of the panel members*

Panel Members: S. Jain
BS Jayaram
V. Joshi
U. Krishna
V. Mittal
Am. Ranawat

Exposure for Complex Revision
Removal of Well Fixed Implant
How to Compensate for Bone Loss
How to Achieve Stability

10:20 AM - 10:45 AM **Delegate Questions From the Floor**

Moderator: R. Maniar

Panel Members: S. Jain
BS Jayaram
V. Joshi
U. Krishna
V. Mittal
Am. Ranawat

10:45 AM - 11:05 AM **COFFEE BREAK**

GENERAL TOPIC

Special Lecture The Future of Orthopaedics

Moderator: W. Walter

11:05 AM - 11:25 AM *Moderator will present using slides or video, then ask questions of the panel members*

Panel Members: H. Bhende
P. Bhosale
A. Jhurani
A. Mishra
N. Sheth
A. Singh
S. Vaidya

Surgical Planning
Artificial Intelligence
Machine Learning
Shape/Kinematic Modelling
Nanotechnology

Saturday February 23rd, 2018
HIP TOPICS

Session I	Surgical Approaches in Total Hip Arthroplasty <i>Does My Approach Achieve a Better Outcome?</i>	Moderator:	R. Malhotra
11:25 AM - 11:33 AM	Posterolateral		H. Bhende
11:33 AM - 11:41 AM	Anterolateral		R. Sharma
11:41 AM - 11:49 AM	Direct Anterior		W. Walter
11:49 AM - 11:57 AM	Direct Anterior: <i>Learning Curve, Fracture & Wound Complications</i>		J. Rodriguez
	Review of Surgical Approaches in THA	Moderator:	R. Malhotra
11:57 AM - 12:15 PM	Panel Discussion	Panel Members:	H. Bhende J. Rodriguez R. Sharma W. Walter
Session II	Complications in THA	Moderator:	V. Bose
12:15 PM - 12:21 PM	Dislocation: <i>How to Reduce the Risk</i>		W. Walter
12:21 PM - 12:27 PM	Leg Length Inequality		S. Vaidya
12:27 PM - 12:33 PM	Intraoperative Fracture and Treatment of Perioperative Fracture		A. Arora
12:33 PM - 12:39 PM	Abductor Deficiency - Treatment Options		R. Malhotra
12:39 PM - 12:45 PM	Systematic Approach to Revision Exposures		N. Sheth
	Review of Complications in THA	Moderator:	V. Bose
12:45 PM - 1:10 PM	Delegate Questions From the Floor	Panel Member:	A. Arora R. Malhotra N. Sheth S. Vaidya W. Walter
1:10 PM - 2:10 PM	LUNCH		
Session III	Bearing Surfaces in THA	Moderator:	H. Bhende
2:10 PM	2:16 PM Impact of Implant Materials on Clinical Outcome		M. Zimmermann
2:16 PM	2:22 PM Ceramic on Ceramic		W. Walter
2:22 PM	2:28 PM Oxinium on Highly crosslinked Polyethylene Liners		V. Bose
	Review of Bearing Surface in THA	Moderator:	H. Bhende
2:28 PM	2:40 PM Delegate Questions From the Floor	Panel Member:	P. Bhosale V. Bose Am. Ranawat W. Walter M. Zimmermann

Saturday February 23rd, 2018 Hip Topics- Continued

Session IV	Difficult Cases in THA	Moderator:	J. Rodriguez
2:40 PM -	3:50 PM	Presenters	S. Jain V. Kapoor R. Mahajan IPS Oberoi S. Rajan CS Yadav
	<i>Each speaker will present his most difficult case and outcome (5 Minutes). Moderator will comment and ask questions of each Speaker after presentation (6 Minutes)</i>		
3:50 PM -	4:10 PM	Moderator:	J. Rodriguez
	Delegate Questions From the Floor	Panel Members:	S. Jain V. Kapoor R. Mahajan IPS Oberoi S. Rajan N. Sheth CS Yadav
4:10 PM -	4:30 PM		
	COFFEE BREAK		
Session V	Acetabular Revision Total Hip Arthroplasty	Moderator:	N. Sheth
4:30 PM -	5:05 PM	Panel Members:	A. Jhurani R. Mahajan R. Maniar AS Prasad J. Rodriguez R. Rajput W. Walter
	<i>Moderator will present what he does on each topic, using slides or video, then ask questions of the panel members</i>		
	<i>Acetabular Impaction Grafting Augment and Cage Constructs Cup / Cage Constructs Acetabular Distraction Techniques Custom Acetabular Components Triflange for Pelvic Discontinuity</i>		
5:05 PM -	5:25 PM	Moderator:	N. Sheth
	Delegate Questions From the Floor	Panel Member:	A. Jhurani R. Mahajan R. Maniar AS Prasad J. Rodriguez R. Rajput W. Walter

Saturday February 23rd, 2018

HIP TOPICS

Session VI

5:25 PM -

6:30 PM

Case Presentations: Primary and Complex THR

Questions to Be Answered

- How to maximize exposure
- Proper acetabular positioning using anatomic landmarks
- How to avoid dislocation
- How to avoid intraoperative femoral fracture
- Combine antiversion & coplanar test

Moderator:

Am. Ranawat

Panel Members:

V. Bose
BD. Chatterjee
R. Mahajan
N. Sheth
W. Walter

8 Minutes
Per Case

Eight (8) Podium Presentations

Guidelines for Presenters:

- Brief history physical
- Show AP and lateral pre-op images using long films
- Moderator will ask for Comments from Panel Members
- Moderator will request Presenter to Show
AP and Lateral post-op images using long films
- Closing comments by moderator

Presenters:

SM. Bandekar
M. Desai
S. Mahajan
J. Nallamothu
A. Oommen
A. Pankaj
KR. Sharath
M. Sharma

Session VII

6:30 PM -

6:50 PM

Delegate Discussion

Delegate Questions from the Floor

Moderator:

Am. Ranawat

Panel Members:

V. Bose
R. Malhotra
R. Maniar
D. Parekh
J. Rodriguez
N. Sheth
W. Walter

6:50 PM -

7:00 PM Conference Review & Closing Remarks

Am. Ranawat

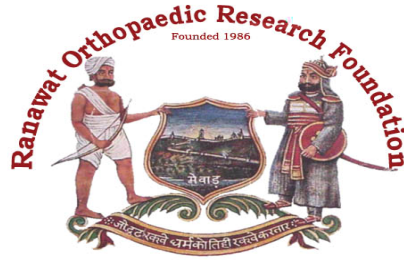


Ranawat Orthopaedic Research Foundation Fellows

Dr. P.K. Agarwal
Bengaluru
Dr. Neeraj Aggarwal
Jaipur
Dr. Sushrut Babhulkar
Nagpur
Dr. Ashish Bajaj
Dhanbad
Dr. Jayesh Baviskar
Mumbai
Dr. Jawed Bhat
Jammu Kashmir
Dr. Pradeep B. Bhosale
Mumbai
Dr. Varun Chandra
Jamshedpur
Dr. Buddha D. Chatterjee
Kolkata
Dr. Sandeep Chauhan
Gurgaon
Dr. Sachin Chhabra
Indore
Dr. Chandrasekar Chikkamuniyappa
Bengaluru
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Surat
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Kelanton, Malaysia
Dr. M.S. Dhillon
Chandigarh
Dr. Ravindra Gangwal
Ujjain
Dr. Vinay Goyal
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Jabalpur
Dr. Sandeep Gupta
New Delhi
Dr. Som Pratap Gupta
Jaipur
Dr. Sanjeev Jain
Mumbai

Dr. Nirmal Jajodia
West Bengal
Dr. Anoop Jhurani
Jaipur
Dr. Bharat Kelkar
Nashik
Dr. Prem Kotian
Manglore
Dr. Milind Kulkarni
Miraj
Dr. Vikas Kulshreshtha
Assam
Dr. Kishore Kumar
Mumbai
Dr. Dhiraj Marothi
Ahmedabad
Dr. Rajesh Malhotra
New Delhi
Dr. Rajesh Maniar
Mumbai
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Srinagar
Dr. Vivek Mittal
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Dr. Farhad Taraporwala
Mumbai
Dr. S.V. Vaidya
Mumbai
Dr. Manuj Wadhwa
Chandigarh
Dr. Akhilesh Yadav
Uttar Pradesh



Since 1986, The Ranawat Orthopaedic Research Foundation has supported orthopaedic research and fellowship education in the United States and Asia.

With Dr. Chitranjan S. Ranawat as Chairman, the RORF has united physicians and scientists in the goal of providing innovative clinical care. In addition, the Foundation has trained many orthopaedic surgeons in joint reconstruction surgery.

FELLOWSHIP PROGRAM in JOINT REPLACEMENT or SPORTS MEDICINE

† The criteria for applicants are as follows:

- Practicing orthopaedic surgeon from India
- A minimum of three (3) years experience in performing joint reconstruction surgery or sports medicine & arthroscopy

† The Ranawat Orthopaedic Research Foundation offers the following:

- Three (3) month fellowship at The Hospital for Special Surgery
 - Accommodation near The Hospital for Special Surgery
 - Round trip coach fare to New York City
 - Round trip cab fare from airport to New York City
 - Stipend equivalent to US \$850 per month

The applicant must submit four (4) copies of the completed application, two (2) letters of recommendation and a fee of Rs.1400 by demand draft or cheque with application

The application can be obtained from:

Mr. Samar Vijay Singh
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452 001, India
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Dedicated to the Highest Level of Quality in Patient Care and Research