

Prof ARUMUGAM SIVARAMAN, MBBS, AB (IM), MS (Ortho), FRCS (Glasg)  
Professor & Head  
Department of Arthroscopy & Sports Medicine

## **PUBLICATIONS & PRESENTATIONS**

### **Publications**

#### **International (2016-17):**

1. Suresh Perumal, Sadem Amer, Prakash Ayyadurai, **Arumugam Sivaraman**: Clinical outcome of arthroscopic management of isolated posterior cruciate ligament injuries, International Journal of Research in Orthopaedics, Int J Res Orthop. 2016Dec;2(4):411-413
2. Suresh Perumal, SademAmer, PrakashAyyadurai, **ArumugamSivaraman**, Isolated posterior cruciate ligament injuries: Results of arthroscopic management Progress in Orthopedic Science 2016 Vol 2 • Issue 4 52-54 ISSN: 2146-8370
3. Suresh Perumal, SademAmer, PrakashAyyadurai, **ArumugamSivaraman**, Clinical results of arthroscopic all-inside meniscal repair 2016 Nov;4(11):4965-4969 International Journal of Research in Medical Sciences pISSN 2320-6071.
4. SademAmer, Suresh Perumal, , PrakashAyyadurai, **ArumugamSivaraman**, ANATOMICAL MCL RECONSTRUCTION A SHORT TERM STUDY, International Journal of Current Advanced ResearchVolume 6; Issue 9; September 2017, ISSN: O: 2319-6475, ISSN: P: 2319 – 6505
5. **Arumugam S**, Bhupesh Karthik B, Rajeswar C, Mori Y, Yoshioka H, Senthilkumar R, Rajmohan M, Karthick R, Preethy S, Abraham S. Transplantation of autologous chondrocytes ex-vivo expanded using Thermoreversible Gelation Polymer in a rabbit model of articular cartilage defect. Journal of Orthopedics 2017: 14(2);223–25.
6. AneesSayed, SaiAditya, MB Gnanavel, KA Thiagarajan and S Arumugam,“Technique differences between elite and sub-elite cricket fast bowlers”, Conference proceedings of International Society of Biomechanics 2017, Brisbane.
7. KA Thiagarajan, SaiAditya, AneesSayed, MB Gnanavel and S Arumugam, “Technique implemented by Indian cricket fast bowlers to maximize bowling speed”, Conference proceedings of International Society of Biomechanics 2017, Brisbane.

## **National (2015- 2017):**

1. "Cricket Biomechanics Analysis of Skilled and Amateur Fast Bowling Techniques" – Thiagarajan K A, Tvisha Parikh, Anees Sayed, Gnanavel M B, **Arumugam S** – Journal of Postgraduate Medicine Education and Research, Oct-Dec 2015, Vol49, Number 4.
2. "Prediction of Maximum O<sub>2</sub> pulse from vO<sub>2</sub>max, Body Weight and Load at vO<sub>2</sub>max" - MadhusudhanRao V, Vasanthi C, Parikh T, Thiagarajan K A, **Arumugam S** – Biomedicine: 2015;35(3); 290 – 293
3. "Fat increases Maximal Aerobic Capacity – Correction study between vO<sub>2</sub> max, vO<sub>2</sub>max/kg and Body weight & BMI in normal males" - MadhusudhanRao V, Vasanthi C, Parikh T, Thiagarajan K A, **Arumugam S** – Biomedicine: 2015;35(3); 276 – 279
4. Thiagarajan KA, Vasanthi C, Parikh T, MadhusudhanRao V , **Arumugam S**: Comparison in between subjects of determinants of oxygen uptake during maximal and submaximal exercise: ventilation and O<sub>2</sub> pulse, determinants of O<sub>2</sub> uptake are less dependent on load in submaximal exercise at ventilatory threshold :Biomedicine:2016 36(1)
5. Parikh TK, **Arumugam S**: Are Indian Habits of Cross-legged Sitting and Squatting associated with Anterior Knee Pain? J Postgrad Med Edu Res 2017;51(1):1-6.
6. Tvisha K. Parikh, K.A. Thiagarajan, P. Suresh, R. PrabhuRadhan, PrashanthJawahar, **S. Arumugam**: Inter-rater reliability of common quantitative knee X-ray parameters in the Indian scenario, *Journal of Arthroscopy and Joint Surgery*, Volume 3, Issue 3, Pages 97-101
7. Relationship between heart rate and maximal aerobic capacity in young Indian males- prediction of absolute VO<sub>2</sub> max from measures of submaximal heart rate at ventilatory threshold in treadmill exercise: Vasanthi C, Thiagarajan KA, Parikh T, MadhusudhanRao, **Arumugam S**, J. Biomedicine: 2016; 36(4):072-474
8. Sai Aditya Krishna, Tvisha Parikh, KA Thiagarajan, S. Lavanya, **S. Arumugam**, Does Body Fat Relate to Cardiovascular Fitness in Young Indians?, *International Journal of Sports Science*, Vol. 6 No. 5, 2016, pp. 176-179. doi: 10.5923/j.sports.20160605.02

## **Papers Presented:**

### **International (2015- 2017)**

1. Invited lecture on “Tunnel Position & Size – Same for all or not?” 10<sup>th</sup> Biennial ISAKOS (International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine) congress, June 7-11, 2015 at Lyon, **France**.
2. Invited lecture on ‘Cruciate avulsion Fractures- management’ at 5<sup>th</sup> AFC Medical Conference 2015 on Dec.3<sup>rd</sup> 2015 at **New Delhi**
3. Invited lecture on ‘Elbow arthroscopy’ at 5<sup>th</sup> AFC Medical Conference 2015 on Dec.4<sup>th</sup> 2015 at **New Delhi**.
4. Invited lecture on ‘Establishing Sports Science Center in India – Challenges & Scope’ at COMOC meeting on Apr.13<sup>th</sup> 2016 at **Cape Town, South Africa**

### **National (2014- 2017):**

1. Invited lecture on ‘Arthroscopic rotator cuff repair – current concepts’ at TNOACON2014 on 9<sup>th</sup> February, 2014 at **Chennai**
2. Invited lecture on ‘Multiple Ligament injuries –Decision making’ at 2<sup>nd</sup> ISAKOS Knee Course on March 1<sup>st</sup>, 2014 at **Chennai**.
3. Invited lecture on ‘BTB harvest Technique’ at Pune Knee Course, April, 2014, **Pune**
4. Invited lecture on ‘AC Joint resection’ at IEAAF 2014 on July 19<sup>th</sup>, 2014 at **Chennai**
5. Invited lecture on ‘Multiple ligament injuries – Management at IASKON 2014 on Oct.24-25, **Madurai**.
6. Invited lecture on ‘Meniscal Repair –What’s new?’ at IREASM International cadaver workshop on Nov.7-8, 2014 at **Chennai**.

7. Invited lecture on 'Elbow Arthroscopy' at IOACON2014 on Nov.21<sup>st</sup>,2014, **Hydrabad.**
8. Invited lecture on 'Ankle Arthroscopy' at 36<sup>th</sup> Annual Conference of IASM on Jan.9<sup>th</sup>-11<sup>th</sup> ,2015 at **Mumbai**
9. Invited Lecture on 'Rotator cuff tears' at 48<sup>th</sup> TNOACON on Feb. 13<sup>th</sup>-15<sup>th</sup>,2015 at **Salem**
10. Invited lecture on 'Single row rotator cuff repair' at APOLLO COSMIC 2015 on Feb.28<sup>th</sup> 2015 at Chennai
11. Invited Lecture on 'PLC injuries' at Ganga Arthroscopy Course on Mar.6-8,2015 at **Coimbatore**
12. Invited lecture on ' Surgical Anatomy of PLC' at 5<sup>th</sup> Pune Knee Course on Apr.25-27,2015, **Pune**
13. Invited lecture on 'Arthroscopic Rotator cuff repair' at IASCONNECT on May 31<sup>st</sup> 2015, at **Madurai**
14. Invited lecture on 'Subacromial decompression' at 4<sup>th</sup> INDO-US Shoulder conference on July 17<sup>th</sup>-19<sup>th</sup>, 2015 at **Coimbatore.**
15. Invited lecture on 'TranstibialVsTransportal ACL reconstruction' At 14<sup>th</sup>IASCON2015 on Oct.2-4,2015 at **Pattaya.**
16. Invited lecture on 'BTB graft – back in vogue?' at 37<sup>th</sup> IASMCN2016 on Feb.5<sup>th</sup> 2016 at **Chennai**
17. Invited lecture on 'Stiff shoulder – management" at 49<sup>th</sup>TNOACON2016 on Feb. 14<sup>th</sup> 2016 at **Ooty.**
18. Invited lecture on 'Outside-in Meniscal Repair' at 7<sup>th</sup> PKC on Apr.22<sup>nd</sup> 2016 at **Pune**

## **Regional**

1. Invited lecture on 'Arthroscopy of Hip, Ankle & Elbow joints' at SCORE2015 ON Jan.26<sup>th</sup>,2015 at Chennai

## **CONFERENCES CHAIRED & LIVE SURGICAL DEMONSTRATION**

- 1. Live surgical demonstration of Transtibial ACL Reconstruction with BTB graft at AIOSKON2014 on Oct. 24<sup>th</sup>,2014 at **Madurai****
- 2. Chaired the session on 'Live surgical demonstration of MCL and ACL reconstruction' at 7<sup>th</sup> PKC on 23<sup>rd</sup> Apr. 2016 at **Pune****
3. IAS Kolkata 2016
4. ISAKOS, China, 2017
5. Pune Knee Course, 2017
6. TNOACON, Coimbatore, 2017
7. Arthroscopy Academy 2017