

# **Curriculum Vitae**

## **Vipul Mandalia**

Consultant Orthopaedic Knee Surgeon

Exeter Knee Reconstruction Unit  
Royal Devon and Exeter Hospital

July 2020

## **PERSONAL DETAILS**

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Name **Vipul MANDALIA**  
E mail [vipulmandalia@nhs.net](mailto:vipulmandalia@nhs.net)

## **QUALIFICATIONS**

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<b>MB BS</b>	March 1993
<b>M.S. (Orth)</b>	Dec 1997
<b>D.N.B. (Orth)</b>	June 1998
<b>FRCS</b>	May 2000
<b>FRCS (Trauma &amp; Orth)</b>	May 2006

## **APPOINTMENTS and CURRENT ROLES**

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Consultant Orthopaedic Knee Surgeon – Feb 2009  
Exeter Knee Reconstruction Unit, Royal Devon and Exeter Hospital

Honorary Senior Clinical Lecturer – June 2019  
University of Exeter

Secretary, British Patellofemoral Society – Jan 2020

## **CURRENT PRACTICE AND ROLES**

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- **Clinical Practice**

**Tertiary referral service** for complex soft tissue injury and pathology (Multi-ligament injury, cartilage, meniscal and PFJ pathology) + Knee Arthroplasty, including Robotic assisted knee replacement.

**Regional Cartilage Pathology Treatment Centre:** For Cartilage transplant, BMAC (Bone Marrow Aspirate Concentrate) and Osteochondral Allograft Transplantation

**Treatment of national and international elite sports persons.**

- **Education / Courses / Meetings**

**Educational supervisor** role at all level of orthopaedic training including supervising Msc thesis in sports injury.

**Course convenor** for National and European Knee Soft tissue Courses / meetings.

**Invited faculty** for National and International meetings

- **Research and Innovation**

**Research coordinator and lead** for Exeter Knee Reconstruction Unit, Royal Devon and Exeter Hospital

**Principle / Chief investigator** of research projects investigating role of articular cartilage transplant, meniscus repair, various aspects of ACL surgery and customised patient specific 3D printed HTO

**Surgeon Advisory panel** Advising orthopaedic companies on the development of techniques, instruments and implants in Europe.

**Publications and Presentations** - Over 50 publications in peer reviewed journals and presentations in various national and international meetings.

**Innovations**

**TOKA** – Patented patient specific limb alignment correction device and implant

**Nonlinear Microscope + Arthroscope** - Incorporating the ability to obtain microscopic details of cartilage while performing routine arthroscopy

## PREVIOUS APPOINTMENTS

### FELLOWSHIP APPOINTMENTS

Visiting Knee Fellow Merignac Clinic, Bordeaux, France Philippe Colombet	Oct 2009			Sports Knee
UPMC, Pittsburgh, USA Chris Harner, Freddie Fu	Sep 2008			Sports Knee
Knee Fellow Royal Devon and Exeter Hospital Mr. A Toms, Mr. P Schranz, Mr. K Eyres	21.07.08	to	31.12.08	Knee
Knee Fellow Avon Orthopaedic Centre, Bristol Mr. A Porteous, Mr. J Eldridge	02.07.07	to	31.12.07	Knee
Knee & Trauma Fellow Royal Devon and Exeter Hospital Mr. A Toms, Mr. P Schranz, Mr. K Eyres	02.01.07	to	30.06.07	Knee
Trauma Fellow University of Alabama, USA J E Alonso, J Stannard, D Volgas	21.02.05	to	05.04.05	Trauma

### SPECIALIST REGISTRAR APPOINTMENTS – T & O

#### Specialist Registrar

William Harvey Hospital, Ashford Mr. Helmut Zahn	03.01.08	to	18.07.08	Knee, Hip
Royal United Hospital, Bath Mr. S Greg-Smith, Mr. N Bradbury	06.09.06	to	01.01.07	Knee, Shoulder
Great Western Hospital, Swindon Mr. S Deo	01.03.06	to	31.08.06	Knee
Great Western Hospital, Swindon Mr. J Ivory	01.09.05	to	28.02.06	Hip
Great Western Hospital, Swindon Mr. I Lowdon	01.03.05	to	31.08.05	Hand
Great Western Hospital, Swindon Mr. D Williamson	01.09.04	to	28.02.05	F&A, Paediatrics
Salisbury Gen Hospital, Salisbury Mr. D Chappell	01.03.04	to	31.08.04	Spine

Salisbury Gen Hospital, Salisbury Mr. D Cox	03.09.03	to	29.02.04	Shoulder
Southampton Gen Hosp, Southampton Mr. W Tice	20.01.03	to	02.09.03	Knee
North Hampshire Hospital, Basingstoke Mr. J Lewis	04.09.02	to	19.01.03	Hip
Princess Margaret Hospital, Swindon Mr. A Fogg, Mr. M Foy	01.03.02	to	03.09.02	Knee, Spine
Princess Margaret Hospital, Swindon Mr. S Deo	13.08.01	to	28.02.02	Knee

### **Senior House Officer –Orthopaedics**

Princess Margaret Hospital, Swindon	06.02.01	to	12.08.01	Hand
Colchester General Hospital, Colchester	02.02.00	to	05.02.01	Hip, Paediatrics
QEQM Hospital, Margate, Kent	25.10.99	to	01.02.00	Hip
Colchester General Hospital, Colchester	11.06.99	to	20.07.99	Knee

## **RESEACH GRANTS**

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- Biomechanical analysis of various suture configuration of vertical meniscus repair –  
**Arthrex Grant 2019**
- Outcome of alternative techniques (fixed vs Flexible reamer) of ACL Reconstruction.  
Exeter Research and Development Department. May 2015  
**A Small grant by RD&E hospital**
- Microscale mechanics and chemistry of articular cartilage: relationships to in vivo  
loading and susceptibility to degeneration. 2014.  
**Arthritis Research UK Project Grant**
- Structural and biomechanical effect of radiofrequency energy on human cartilage 2009-  
1010  
**A small grant by RD&E Hospital**
- A prospective follow up of patients with bone bruise of knee on MRI. 2002 –2003  
**Dept of Radiology, Great Western Hospital, Swindon**
- MRI scans for a prospective research project on “Knee Pathology in Asymptomatic  
Athletes”. 2007-2008  
**Global Diagnostic Grant.**

## PRIZES / AWARDS

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- **First Prize**  
Mid to Long term outcomes of The Avon Patellofemoral Joint Replacement, BASK  
March 2018
- **First Prize**  
Validation of the AH of LM as arthroscopic landmark for anatomic tibial tunnel.  
South West Peninsula Deanery Orthopaedic Science Creativity and Research awards.  
Oct 2015
- **First Prize –** Characterisation of anterolateral ligament in cadavers and MRI –  
SWOC  
May 2015
- **First Prize**  
Kinematic aligned TKA demonstrates superior results to mechanically aligned TKA  
in the short term. Podium presentation 7<sup>th</sup> Orthopaedic & Trauma Update, France  
Jan 2013
- **First prize**  
Anterior horn of lateral meniscus as a guide to anatomic tibial tunnel placement in  
ACL reconstruction  
Indian Orthopaedic Association, UK  
June 2011
- **Second Prize**  
Bone marrow oedema in asymptomatic athletes.  
Indian Orthopaedic Association, UK  
June 2010
- **Best Paper Prize**  
A perfect tibial tunnel for ACL reconstruction from a nearly perfect guide wire  
Sports Knee Surgery 2007 meeting, Warwick  
Oct 2007
- **Best paper prize**  
Arthroscopy in treatment of painful Unicompartmental knee replacement  
South Thames meeting, Swindon  
Sep 2007
- **AO UK Research Prize** (Nominee)  
Natural history of bone bruising of the knee  
AO UK  
Nov 2003
- **ROGER MANN award** (Nominee)  
NSAIDs in Acute Lateral Ankle Sprain in Non-Athletic Patients  
American Foot and Ankle Society, North Carolina, USA  
June 2003
- **First prize – Annual Wessex Trainee Competition**  
Portsmouth  
Mar 2002

## PUBLICATIONS

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- 1 **Mandalia V.**  
Should application for HST be simpler? – Trainee’s Forum.  
Bulletin of RCS of England 2002; 84(10): 344.
- 2 **Mandalia V, Henson J.**  
“Gas on plain radiograph of an injured ankle joint of a child”: a case report and review of literature of extra spinal vacuum.  
Journal of Diagnostic Radiography and Imaging 2002; 4: 163-165.
- 3 **Mandalia V, Thomas T, Chari R.**  
“Preliminary report on analgesic effect of Extracorporeal Shock Wave Lithotripsy (ESWL) on lateral epicondylitis, golfer’s elbow and plantar fasciitis”.  
The Journal of Orthopaedic Medicine 2002; 24(1): 13-16.
- 4 **Mandalia V, Shiv Shanker V, Foy M.**  
Excision of a Bony Spike without Fixation of the Fractured Clavicle in a Jockey.  
Clin Orth Relat Res 2003; 409: 275 – 277.
- 5 **Mandalia V, Lowdon I.**  
A case of dupuytren's disease in a 10 years old child: A case report.  
J Paed Orthop B. 2003 May; 12(3): 198-199.
- 6 Konvyes A, Deo SD, Murray JR, **Mandalia V**, Von Arx OA, Troughton AH.  
Septic arthritis of elbow after Chickenpox.  
J Paed Orthop B 2004; 13: 114-117.
- 7 Pasapula C, **Mandalia V.**  
The Floating Shoulder:  
Acta Orthop Belg 2004; 70(5): 393-400.
- 8 **Mandalia V, Williamson D.**  
Conservative management of closed traumatic rupture of Flexor Hallucis Longus tendon: a case report and literature review.  
Foot and Ankle Surgery 2002; 8: 261-265.
- 9 B I Singh, S Sinha, S Singh, R Shrivastava, **V I Mandalia**  
Stress fracture patella following patella tendon repair  
Injury Extra Feb 2004; 35(2):13-16  
<https://doi.org/10.1016/j.injury.2013.11.015>
- 10 **Mandalia V, Shiv Shanker V.**  
Accessory ossicle or intraepiphyseal fracture of lateral malleolus: are we familiar with these?  
Emerg Med J 2005; 22(2): 149-152.
- 11 Harish K, **Mandalia V**, Shaju A, Singh B, Beaumont A.  
Variables affecting stability of distal radius fractures fixed with k wires: radiological study.  
European Journal of Trauma 2005; 15(2): 135-139.

- 12 **Mandalia V**, Fogg AJ, Chari R, Murray J, Beale A, Henson JH.  
Bone Bruising of the Knee:  
Clinical Radiology 2005; (60): 627-636.
- 13 Harish V Kurup, **Mandalia V**, K.A. Shaju, A.R. Beaumont.  
Do distal radius fractures loose reduction after k-wire removal?  
J Orthopaedics 2006; 3(4) e4
- 14 Kurup H, **Mandalia V**, Shaju K, Beaumont A.  
Bicortical K-wires for distal radius fracture fixation: how many?  
Acta Orthop Belg. 2007; 73(1): 26-30.
- 15 Brown C, **Mandalia V**, Langdon I.  
Use of saline in surgical wounds: A technical tip.  
Ann R Coll Surg Engl. 2007; 89: 638.
- 16 **Mandalia V**, Eyres K, Schranz P, Toms AD.  
Evaluation of patients with a painful total knee replacement.  
JBJS (B). 2008; 90(3): 265-271.
- 17 Kurup HV, **Mandalia V**, Shaju K, Singh B, Beaumont AR.  
Late collapse of distal radius fractures after K-sire removal: is it significant?  
J Orthop Traumatol 2008 Jun 9(2): 69-72.
- 18 **Mandalia V**, Henson JH.  
Traumatic bone bruising-A review article.  
Eur J Radiol. 2008 Jul;67(1):54-61.
- 19 Toms AD, **Mandalia V**, Haigh R, Hopwood B.  
The management of patients with painful Total Knee Replacement.  
JBJS (B). 2009; 91(B): 143-150.
- 20 Barnett AJ, Prentice M, **Mandalia V**, Wakeley CJ, Eldridge JD.  
Patellar Height Measurement in Trochlear Dysplasia.  
Knee Surg Sports Traumatol Arthrosc 2009, 17(12), 1412-5.
- 21 Phillips CL, Silver DA, Schranz PJ, **Mandalia V**.  
The measurement of patellar height: a review of the methods of imaging.  
JBJS Br 2010 Aug;92(8): 1045-53.
- 22 Kosy JD, Schranz PJ, Toms AD, Eyres KS, **Mandalia VI**.  
The use of radiofrequency energy for arthroscopic chondroplasty in the knee.  
Arthroscopy. 2011 May;27(5): 695-703.
- 23 Clark D, **Mandalia V**, Hughes A, Mitchell S, Bhattacharjee A, Eldridge J.  
Patella tendon length after patella arthroplasty.  
Arch Orthop Trauma Surg. 2012 Feb;132(2):179-83.
- 24 EnochsonL, Sonnergren HH, **Mandalia VI**, Lindahl A  
Bipolar Radiofrequency Plasma Ablation induces Proliferation and altered  
Cytokine Expression in Human Articular Cartilage Chonrocytes.  
Arthroscopy. 2012 Sep;28(9):1275-82.



- 25 Phillips A, Goubran A, Naim S, Searle D, **Mandalia V**, Toms A.  
Reliability of radiographic measurements of knee motion following knee arthroplasty for use in a virtual knee clinic.  
Ann R Coll Surg Engl. 2012 Oct;94(97):506-12.
- 26 Kassam A, Schranz P, **Mandalia V**.  
Day case Anterior Cruciate Ligament Reconstruction: Success, pitfalls and pain Scores  
British Journal of medical Practitioners, Dec 2013, Vol 6(4):a632
- 27 Boucher TA, Naim S, **Mandalia V**  
The Use of 70 Arthroscope for Anatomic Femoral and Tibial Tunnel Placement and Tunnel Viewing in Anterior Cruciate Ligament Reconstruction.  
Arthrosc Tech. 2014 Jan 3;3(1):e79-81.
- 28 Walter RP, Dhadwal A, Htyn M, **Mandalia V**  
Ultrasonography guided peritendinous anaesthetic infiltration in hamstrings autograft anterior cruciate ligament reconstruction.  
Ann R Coll Surg Engl 2014 July; 96(5): 390-1.
- 29 Woodacre T, **Mandalia V**  
Pain Relief following Radio Frequency Energy Chondroplasty for Isolated Chondral Lesions of the Knee.  
J Arthritis. 2014.Vol 3:125
- 30 Ahmad R, Schranz P, **Mandalia V**.  
Medial patellofemoral ligament reconstruction: a technique with a "V" shaped patella-tunnel  
Arthrosc Tech. 2014 Sep 22;3(5):e589-92.
- 31 Waterson HB, Philips J, **Mandalia VI**, Toms AD.  
Thou shalt not varus: Still applicable in total knee arthroplasty?  
Bone and Joint 360 June 2014; Vol 3: 9-13.
- 32 JRA Phillips, B Waterson, DJ Searle, **VI Mandalia**, AD Toms.  
Registry Review – Knee Arthroplasty.  
Bone and Joint. 360 June 2014;Vol 3: 2-8.
- 33 Walter RP, Dhadwal A, Schranz P, **Mandalia V**.  
Outcome of all-inside meniscal repair with relation to previous anterior cruciate ligament reconstruction.  
Knee. 2014 Dec;21(6):1156-9.
- 34 Kosy JD, **Mandalia VI**, Anaspure R  
Characterization of the anatomy of the anterolateral ligament of the knee using magnetic resonance imaging  
Skeletal Radiol. 2015 Nov;44(11):1647-53.
- 35 Kassam Am, Tillotson L, Schranz PJ, **Mandalia VI**  
The Lateral Meniscus as a Guide to Anatomical Tibial Tunnel Placement During Anterior Cruciate Ligament Reconstruction.  
Open Orthop J 2015 Dec 30; 9:542-7.

- 36 L. Dodd, I. Sharpe, **V.I.Mandalia**, J.R.A Phillips  
Rationing of orthopaedic surgery in the UK  
Bone and Joint 360, Dec 2015. 4(6),2-5.
- 37 Thomas A. Bucher, Michael Butler, Clive Lee, Keith S. Eyres, **Vipul Mandalia**,  
Andrew D. Toms  
TKR without tourniquet: A laboratory study investigating the quality of the tibial  
cement mantle when using metaphyseal suction and cement gun - Original  
Research Article  
Journal of Arthroscopy and Joint Surgery 2015, 2(2), 62-66.
- 38 Hall MH, **Mandalia VI**  
Tibial tubercle osteotomy for patella-femoral joint disorders.  
Knee Surg Sports Traumatol Arthrosc. 2016 March;24(3):855-61.
- 39 Ahmad R, Patel A, **Mandalia V**, Toms A  
Posterior Tibial Slope: Effect on, and Interaction with Knee Kinematics.  
JBJS Rev. 2016 Apr 5;4(4):e31-6
- 40 **Vipul Mandalia**, Jonathan Kosy.  
Anterior cruciate ligament reconstruction with 70 -degree arthroscopy and  
flexible reamers – Early operative experience  
JAJS, 2016 Aug 3(2): 51-55.
- 41 Petretta R, **Mandalia V**.  
Bicruciate Knee Ligament Reconstruction Using 4 All Anterior Arthroscopic  
Portals.  
Arthrosc Tech. 2016 Jul 25;5(4):e787-e792.
- 42 Kassam AM, Schranz PJ, **Mandalia VI**.  
Anatomic Anterior Cruciate Ligament Reconstruction: The use of the Anterior  
Horn of the Lateral Meniscus as a guide to Tibial Tunnel Placement.  
Arthrosc Tech. 2016 Aug1;5(4)e809-e814.
- 43 Karargyris O, **Mandalia V**.  
Arthroscopic Treatment of Patellar Tendinopathy: Use of 70 degree Arthroscope  
and Superolateral Portal.  
Arthrosc Tech. 2016 Sep 26;5(5):e1083-e1087
- 44 Kosy JD, **Mandalia VI**.  
Revisiting the Anterolateral Ligament of the Knee.  
J Knee Surg 2016 Oct;29(7):571-579.
- 45 Waterson HB, Clement ND, Eyres KS, **Mandalia VI**, Toms AD  
The early outcome of kinematic versus mechanical alignment in total knee  
arthroplasty: a prospective randomized control trial.  
Bone Joint J. 2016 Oct;98-B(10):1360-1368
- 46 Kosy JD, Soni A, Venkatesh R, **Mandalia VI**  
The anterolateral ligament of the knee: unwrapping the enigma. Anatomical study  
and comparison to previous reports.  
J Orthop Traumatol. 2016 Dec,17(4):303-308.

- 47 Ahmad R, Calciu M, Jayasekara N, Schranz P, **Mandalia V**.  
Combined Medial Patellofemoral Ligament Reconstruction and Tibial Tubercle Transfer Results at a Follow –up of 2 years  
J Knee Surg. 2017 Jan;30(1):42-46.
- 48 Clark D, Metcalfe A, Wogan C, **Mandalia V**, Eldridge J.  
Adolescent Patellar Instability: current concept review.  
Bone Joint J. 2017 Feb: 99-B (2):159-170
- 49 Kosy JD, **Mandalia VI**  
Plain radiographs can be used for routine assessment of ACL reconstruction tunnel position with three-dimensional imaging reserved for research and revision surgery.  
Knee Surg Sports Traumatol Arthrosc. 2018 Feb 26;26(2):534-549
- 50 Clark D, Walmsley K, Schranz P, **Mandalia V**  
Tibial Tuberosity Transfer in Combination with Medial Patellofemoral Ligament Reconstruction: Surgical Technique  
Arthrosc Tech. 2017 May 15;6(3): e591-e597
- 51 Kosy JD, Schranz PJ, Patel A, Anaspure R, **Mandalia VI**  
The magnetic resonance imaging appearance of the anterolateral ligament of the knee in association with anterior cruciate rupture  
Skeletal Radiol. 2017 Sep;46(9): 1193-1200
- 52 Middleton SWF, Toms AD, Schranz PJ, **Mandalia VI**.  
Mid-term survivorship and clinical outcomes of the Avon Patellofemoral joint replacement.  
Knee. 2018 Mar;25(2):323-328
- 53 Middleton SWF, Schranz PJ, **Mandalia VI**, Toms AD  
The largest survivorship and clinical outcomes study of the fixed bearing Stryker Triathlon Partial Knee Replacement – A multi-surgeon, single center cohort study with a minimum of two years of follow- up.  
Knee. 2018 Aug;25(4):732-736
- 54 Kosy JD, **Mandalia VI**  
Anterior Cruciate Ligament Mechanoreceptors and their Potential Importance in Remnant-Preserving Reconstruction: A Review of Basic Science and Clinical Findings  
J Knee Surg. 2018 Sep;31(8):736-746
- 55 Mansfield JC, **Mandalia V**, Toms A, Winlove P, Brasselet S.  
Collagen reorganization in cartilage under strain probed by polarization sensitive second Harmonic Generation Microscopy.  
Journal of Royal Society interface (Accepted for publication Dec 2018)  
J.R Soc. Interface 16: 20180611.
- 56 Bajada S, **Mandalia V**.  
Patella Height as Defined by Patella-Trochlear Articulation on MRI scan – A systemic Review of Current Evidence  
J Knee Surg. 2019 Jul 29. doi: 10.1055/s-0039-1692997.

- 57 Kosy JD, Walmsley K, Anaspure R, Schranz PJ, **Mandalia VI**  
Flexible reamers create comparable anterior cruciate ligament reconstruction femoral tunnels without the hyperflexion required with rigid reamers: 3D-CT analysis of tunnel morphology in a randomized clinical trial.  
Knee Surg Sports Traumatol Arthrosc 2019 Sep 21. doi: 10.1007/s00167-019-05709-7.
- 58 Kosy JD, Phillips JR, Edordu A, Pankhania R, Schranz PJ, **Mandalia V.**  
Failure to return to preinjury activity level after hamstring anterior cruciate ligament reconstruction: Factors involved and considerations in goal setting.  
Indian J Orthop 2019;53:714-20.
- 59 Sarvpreet Singh, Shalin Shaunak, Sebastian C K Shaw, John Anderson, **Vipul Mandalia.**  
Adjustable Loop Femoral Cortical Suspension Devices for Anterior Cruciate Ligament Reconstruction: A Systemic Review.  
Indian J Orthop (2020). <https://doi.org/10.1007/s43465-019-00022-4>
- 60 **Mandalia V**, Williams C, Kosy JK, Brown K, Schranz P, Redfern A, Silver D, Powell R  
Bone Marrow Oedema in the knees of asymptomatic High -Level Athletes: Prevalence and Associated Factors  
Indian J Orthop **54**, 324–331(2020)
- 61 Singh S, Ramos-Pascual S, Czerbak K, Malik, Schranz PJ, Miles AW, **Mandalia V**  
Biomechanical testing of fixed and adjustable femoral cortical suspension devices for ACL reconstruction under high loads and extended cyclic loading.  
J Exp Orthop. 2020 May 11;7(1):27 doi: 10.1186/s40634-020-00235-9.
- 62 Kosy JD, Walmsley K, Sharma AD, Gordon EA, Heddon SV, Anaspure R, Schranz PJ, **Mandalia VI**  
A comparison of femoral tunnel placement in ACL reconstruction using a 70° arthroscope through the anterolateral portal versus a 30° arthroscope through the anteromedial portal: a pilot 3D-CT study.  
Knee Surg Relat Res. 2020 Apr 3;32:17. doi: 10.1186/s43019-020-00037-4. PMID: PMC7219201.
- 63 Kosy JD, Walmsley K, Gordon EA, Heddon SA, Anaspure R, Schranz PJ, **Mandalia VI**  
Remnant preservation does not affect accuracy of tibial tunnel positioning in single-bundle ACL reconstruction.  
Knee Surg Sports Traumatol Arthrosc (2020). <https://doi.org/10.1007/s00167-020-06125-y>
- 64 Patel NG, Napier, RJ, Walmsley K, **Mandalia VI**  
Superior Stability and Compression Across Complex Peripheral Meniscal Tears, Techniques in Orthopaedics: December 26, 2019 - - doi: 10.1097/BTO.0000000000000426
- 65 Mannan A, Walmsley K, Schranz P, Mandalia V

Staged meniscal allograft transplantation as a biologic treatment of the meniscal deficient knee: A prospective case series of 26 patients with maximum 88 month follow up.

Knee 2020 Aug 3; 27(5):1370-1377

## **PUBLICATIONS ACCEPTED**

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Jonathan David Kosy, Katie Walmsley;; Rahul Anaspure, Peter J Schranz, **Vipul I Mandalia**

Remnant Preservation Does Not Affect Accuracy of Tibial Tunnel Positioning in Single-Bundle ACL Reconstruction - A 3D-CT Study  
Knee Surgery, Sports Traumatology, Arthroscopy

## **LETTER TO EDITOR**

**Mandalia V.**

Comment on T. Bretlau et al. "Bone bruise in the acutely injured knee."  
Knee 2002; 10: 381.

**Mandalia V.**

Tangential views of the articular surface of the distal radius – aid to open reduction and internal fixation of fracture.  
Injury 2003; 34(7): 554.

## **ABSTRACTS PUBLISHED**

**Mandalia V,** Thomas T.

Analgesic effect of Extracorporeal Shock Wave Lithotripsy on refractory tennis elbow, golfer's elbow and plantar fasciitis.  
JBJS [BR] 2002; 84-B: Supp 1, 77.

**Mandalia V,** Matchmam N, Fogg AJB, Beale A, Johnson H.

Preliminary report on clinico-radiological correlation of MRI diagnosed isolated bone bruising of the acutely injured Knee.  
Proceedings of UK Radiology Congress. 2003; 39.

**V Mandalia,** JRD Murray, SJ Irby, AJB Fogg, J Henson.

Bone Bruising of the knee: a prospective randomised study to elucidate the natural history of MRI diagnosed bone bruising.  
JBJS Proceeding, Apr 2005; 87-B: 154.

- V Mandalia**, J Murray, S Irby, AJB Fogg, J Henson.  
Clinicoradiological correlation and natural history of bone bruise of the knee joint: a prospective randomised trial.  
JBJS Br Proceedings, Sep 2005; 87-B: 306.
- A Michael, H. V Kurup, **V Mandalia**, B Singh, KA Shaju, RL Mehta, AR Beaumont.  
Variables affecting stability of distal radius fractures fixed with k wires: a radiological study.  
JBJS Br Proceedings, Mar 2006; 88-B: 187.
- J Reynolds, J Murray, **V Mandalia** et al.  
Suspected Scaphoid Fracture: Clinical Signs, Ultrasound and CT Correlation.  
BOA 2006 Proceedings.
- Y B Al Arabi, **V Mandalia**, D M Williamson  
A Test of Stability in Distal Radius and Ulna Fractures in Children  
J Bone Joint Surg Br 2009 vol. 91-B no. SUPP 1 61.
- JRD Murray, JJ Reynolds, **V Mandalia**, M Sinha, G Clark, A Jones, N Ridley  
Suspected Scaphoid fracture: Clinical signs, Ultrasound and CT correlation.  
J Bone Joint Surg Br vol 94(Supp III), 141-141, 2012
- J M Owen, A Tong, **V Mandalia**, M Cronin, J Waite, S Deo  
Evaluation of Arthroscopy for the Painful Unicompartmental Knee Replacement  
J Bone Joint Surg Br 2012 vol. 94-B no. SUPP IX 28
- V Mandalia**, C Williams, K Brown, P Schranz, D Silver, A Redfern, P Powell  
Bone Marrow Oedema in Asymptomatic Knees of Athletes  
J Bone Joint Surg Br 2012 vol.94-B no. SUPP XVI 23
- T Woodacre, A Thomas, **V Mandalia**.  
The use of Radio Frequency Energy for Arthroscopic Chondroplasty of the Knee  
Bone Joint J 2013 vol.95-B SUPP 18 20.
- V Mandalia**, A. Kassam, P Schranz  
The Lateral Meniscus as a Guide to Anatomic Tibial Tunnel Placement During ACL Reconstruction  
Bone Joint J 2013 vol.95-B SUPP 19 11.
- Arthur C, Phillips J, Toms A, **Mandalia V**  
Is Kinematic Alignment Associated with an Increased Incidence of Early Complications following Total Knee Arthroplasty  
Bone Joint J 2014 96-B (SUPP 9) 13.
- Mandalia V** et al.  
Validation of the anterior horn of lateral meniscus as arthroscopic landmark for anatomic tibial tunnel placement  
Bone Joint J 97-B. SUPP 10(2015):28.
- R Ahmad, M Calciu, N Jayasekara, P Schranz, **V Mandalia**

Combined medial patellofemoral ligament reconstruction and tibial tubercle osteotomy: results at a mean follow-up of two years  
Bone Joint J Oct 2015, 97-B (SUPP 10) 8

S. Singh, S Ramos, K Czerbak, T Miles, Schranz P, **V Mandalia**  
Biomechanical testing and comparison of new fixed loop and adjustable loop cortical suspensory fixation devices in ACL Reconstruction.  
The Knee Dec 2017, 24(6):XIII,

## **BOOK CHAPTER**

Deo S D, **Mandalia V**.  
Principles of care in the operating room.  
Chapter 15, Section 1. New 25<sup>th</sup> edition of Bailey & Love's Short Practice of Surgery. Section editor C Bulstrode. (Eds - Russell RCG, Williams NS, Bulstrode CJK)

## **PRESENTATIONS**

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### **INVITED FACULTY PRESENTATIONS**

<b><u>The Arthrex Webinar</u></b> Bone Marrow Lesions – It is not all about the cartilage	30/09/2020
<b><u>The Unicompartmental Knee Replacement Webinar, LIMA –</u></b> Day Case Unicompartmental Knee replacement	14/10/2020
<b><u>The Stryker Webinar -</u></b> Meniscus repair symposium – Moderator	15/10/2020
<b><u>THE BIOS Webinar</u></b> <ul style="list-style-type: none"><li>• Patellar Instability</li></ul>	13 Sep 2020
<b><u>The South West Unicompartmental Arthroplasty Meeting</u></b> <ul style="list-style-type: none"><li>• ACL in Unicompartmental Knee Arthroplasty</li><li>• Unicompartmental Arthroplasty – How I do it</li></ul>	12 Mar 2020
<b><u>Advanced Arthroscopic Knee 2020, BOSTAA, London</u></b>	16-17 Jan 2020

- MCL Reconstruction – 10 top tips

**1<sup>st</sup> Annual Meeting of British Patellofemoral Society** 8 Jan 2020

- MAKO Robotic Assisted Patellofemoral Replacement – Early Experience

**BOSTAA 27 Nov 2019** 25-16 Nov 2019

- Overuse Injury of the knee – When should surgeon help?

**Sports Knee Meeting, Warwick.** 25-26 Nov 2019

- Cartilage Repair Options in UK 2019
- Live cadaveric demonstration of inside out circumferential sutures.

**40<sup>th</sup> Cyprus Orthopaedic Association Meeting** 1-3 Nov 2019

- ACL Reconstruction with Remnant Preservation – How do I do it
- Meniscus Repair – Tips and Tricks

**Exeter Sports Injury & Soft Tissue Symposium** 26 Sep 2019

- Knee Sports Injury – Recent updates and When to refer urgently

**15<sup>th</sup> Bath Biomechanics Symposium** 16 Sep 2019

- Keynote Lecture: Driving Innovations in a Clinical Setting

**International Child and Adolescent Knee Congress, Sheffield.** 13 & 14 June 2019

- Patella Alta and Lateralised Extensor Mechanism

**Exeter Knee Masterclass, Exeter** 7-8 May 2019

- PFJ instability
- Meniscus Repair – Tips and Tricks
- Optimising Visualisation and avoiding Hyperflexion in ACLR.

**The Meniscus 2019 – Technology and Innovation Forum, Munich** 26-27 June 2019

- Circumferential Repair for peripheral vertical meniscus tear
- Repair configuration of Vertical Meniscal Tear - Biomechanical testing
- Biologic approach and Augmentation of Meniscus repair

**Stryker Soft Tissue Knee Course** 21 March 2019

- Meniscus repair – Inside out, Outside in and Sharp shooter

**The UK Biological Knee Society Meeting** 31 Jan 2019

- MACI – The Exeter Experience

**Advanced Knee Arthroscopy, RCS of England** 17-18 Jan 2019

- Chondral injury and Chondral Surgery

**South West Orthopaedic Club meeting** 30 Nov 2018

- Articular Cartilage Transplantation update



- South West Ambulatory Group Conference, Buckfastleigh** 12 Oct 2018
- Day Case Knee Surgery in Community Hospital
- BOA, Birmingham** 28 Sep 2018
- Arthroscopy in Degenerate meniscus tear
- Cartilage and Osteoarthritis – Imaging, University of Exeter** 18 Sep 2018
- Advanced imaging techniques for in vivo diagnosis of early-stage osteoarthritis (Session chair)
- ACL Repair – Technology Innovation Forum** 11-12 July 2018
- ACL Tibial tunnel – Dealing with the stump
- British Indian Orthopaedic Society, Leeds** 29 June 2018
- Knee Sports Injury
- Soft Tissue Knee Masterclass, Keele** 27 June 2018
- MPFL Reconstruction – How I do it.
  - RAMP lesion
- ISKSAA, Leeds** 21-22 June 2018
- ACL Reconstruction Technique – My approach
- ESSKA, Glasgow** 9-11 May 2018
- European pre-course cadaveric teaching course
  - Biologic approach and augmentation in selective cases of Meniscal Repair
- Exeter Knee Masterclass** 30 Apr-1<sup>st</sup> May 2018
- HTO – How I do it
  - Robotic PFJ Replacement
- BASK, Leicester** 19-20 March 2018
- Novel Meniscal Repair technique – Cadaveric demonstration
- Stryker Knee meeting, Amsterdam** 29-30 June 2017
- Meniscal repair – Overview of surgical techniques
  - Flexible reamer and Femoral Tunnel Placement in ACL Reconstruction
  - Fixed Loop Suspensory Fixation in ACL Reconstruction – My arguments
- Stryker Soft tissue Knee Masterclass, Keele** 17-18 May 2017
- Meniscal Repair – surgical technique
  - Role of Flexible Reamers in Femoral Tunnel Placement
  - MPFL Reconstruction – How I do it.
  - Ligament Avulsion injury to knee.
- Exeter Knee Masterclass, Exeter** 9-11 May 2017
- Femoral tunnel placement in ACL Reconstruction – use of flexible instruments
  - Meniscus – Applied anatomy and Biomechanics

- Meniscal repair – Surgical Technique
- Stryker European Sales Meeting, Barcelona** 3<sup>rd</sup> Feb 2017
- Meniscus – Anatomy, Biomechanics and Treatment overview
- Advanced Knee Arthroscopy, RCS of England** 26-27 Jan 2017
- Cartilage injury and Treatment
- Indian Orthopaedic Association meeting, Konchi** 16<sup>th</sup> Dec 2016
- Avoiding Complications in ACL surgery
- British Orthopaedic Association** Sep 2016
- Complications of ligament surgery of the knee
- Stryker European ACL and soft tissue knee meeting, Amsterdam** July 2016
- Tibial Tunnel – Stump preservation and bundle augmentation
  - Stryker European ACL and soft tissue knee meeting
- Soft Tissue Knee Masterclass, Newcastle** June 2016
- MPFL Reconstruction – How I do it
  - Knotless anchors in acute ligamentous injury of the knee
  - Anterolateral instability of the knee – Current evidence
  - Tibial tunnel placement – Stump preservation and Bundle Augmentation
- Exeter Knee Masterclass, Exeter** May 20
- Biologic Solution in Young Knee Arthritis
  - Acute ligament avulsion repair with knotless anchors
  - MPFL + TTO: Surgical Technique
  - Femoral tunnel in MPFL Reconstruction (X-ray / Palpation / Isometry)
  - Anterolateral instability in ACL injury
  - ACL Surgical Technique
- Gujarat Orthopaedic Association Conference, Vadodara, India** Feb 2016
- Evaluation of young knee arthritis
  - Ligamentous instability
  - Indication for high tibial osteotomy
  - Anterior knee pain
- Coblation in the Knee, London** 2<sup>nd</sup> June 2015
- Why Coblation – Rationale, Science and Evidence
- Great Expectation 2015, Stryker 9<sup>th</sup> International Hip & Knee Symposium** Mar 2015
- Fixed bearing partial knee replacement: Practical tips on surgical technique
  - Patella resurfacing in TKR: Practical tips and surgical technique
  - Managing Patella during Total Knee Replacement

- Evolving Techniques in ACL surgery, Cambridge, UK** Nov 2014
- Anterolateral ligament in ACL injury and reconstruction (Historical development, recent understanding and current status)
- Brighton Cadaveric Course – Hip & Knee, Brighton,** July 2014
- Surgical Decision Making in Medial Compartment Arthritis
  - Evolution and Design of Unicompartmental Knee Replacement
  - How Implant Design affects TKR Technique
- SICOT, Hyderabad, India** Oct 2013
- PSI for kinematic aligned TKR – principles and early experience.
- Evolving Techniques in ACL surgery, Coventry, UK** Dec 2013
- Evolving Techniques in ACL surgery, Cambridge, UK** Nov 2014
- Evolution of ACL Surgery
  - Creating Optimal Tibial Tunnel in ACL Reconstruction
  - Preserving the Stump During ACL Reconstruction
  - New technique in ACL reconstruction – The use of a 70-degree Arthroscope and flexible reamer in ACL Reconstruction.
  - ACL Bundle Augmentation
- Arthroscopy update, Baroda, India** Feb 2013
- Meniscectomy – Surgical Technique – Tips and pearls
  - Problems after meniscectomy
  - Meniscal repair, root repair and Meniscus transplantation
  - ACL Reconstruction: Restoring the anatomy – From Transtibial to Transportal
  - Recent advances in treatment of ACL injuries.
  - PCL and posterolateral corner injury – Diagnosis and treatment
  - Clinoradiological assessment of patello-femoral problems.
  - Surgical treatment for various patello-femoral problems.
- Stryker TKR innovation, Mahwah, NJ, USA** Feb 2013.
- Kinematic alignment in TKR
  - Shape Match TKR- UK Experience
- Midland Knee Controversies, Birmingham** May 2012
- Do we need mechanical alignment for all our TKR?
- Christian Albrecht University, Kiel, Germany** May 2011
- Principles, Surgical technique and Outcome of microfracture
- International knee meeting, Coimbatore, India** April 2011
- Principles of total knee replacement
  - Treatment of young knee arthritis

**Exeter Knee Master Class, April 2008, 2009, 2010, 2011**

- Evaluation of Painful Total Knee Replacement
- HTO / Uni-compartmental knee replacement
- Orthotics, Braces and Visco-supplementation in Knee arthritis

**Scorpio Instructional Knee Course, Exeter,**

Nov 2007

- Patient selection for Knee Arthroplasty
- Alternative treatment to Knee Arthroplasty

**Exeter Revision Hip and Knee meeting, Exeter,**

June 2007

- Offset, Rotation and Alignment in Revision TKR

**PODIUM PRESENTATIONS**

**INTERNATIONAL MEETINGS**

Mannan A, Walmsley K, Schranz P, **Mandalia V**

Staged meniscal allograft transplantation as a biologic treatment of the meniscal deficient knee: A prospective case series of 26 patients with maximum 88 month follow up.  
BIOS, Huddersfield, 29 June 2018

Singh S, Ramos S, Czerbak K, Miles T, Schranz P, **Mandalia V**

The Biomechanical comparison of fixed v/s adjustable loops for ACL Femoral suspension under high loads with extended cyclic loading  
BASK, Southport, April 2017

Kosy JD, Schranz PJ, Anaspure R, **Mandalia VI**

What is the incidence of Anterolateral Ligament Injury in Association with Anterior Cruciate Ligament Rupture on MRI?  
AAOS, San Diego – March 2017

Kosy JD, Anaspure R, **Mandalia VI**

The MRI Appearance of the Anterolateral Ligament of the Knee.  
EFFORT, Geneva, June 2016

Kosy JD, Soni A, Venkatesh R, **Mandalia VI**

Defining the Anatomy of the Anterolateral Ligament of the Knee – A Cadaveric Dissection Study.  
EFFORT, Geneva, June 2016

Kosy JD, Anaspure R, **Mandalia VI**

Anterolateral Ligament Injury in the ACL-Deficient Knee – An MRI study.  
EFFORT, Geneva, June 2016

AL Amin Kassam, Tillotson L, Schranz P, **Mandalia V**

Validation of the Anterior Horn of Lateral Meniscus As Arthroscopic Landmark for anatomic Tibial Tunnel Placement.  
EFFORT May 2015, Prague

Waterson Ben, Toms Andrew, **Mandalia Vipul**

The Hip Knee Ankle axis and Implant position relative to mechanical axis of femur and tibia for the kinematically alignment total knee replacement  
Effort June 2015

Waterson HB, **Mandalia VI**, Toms AD.  
Kinematic aligned TKA demonstrates superior results to mechanically aligned TKA in the short term.  
7<sup>th</sup> Orthopaedic & Trauma Update, France January 28-31<sup>st</sup> 2013.

Waterson HB, **Mandalia VI**, Toms AD.  
The Exeter experience of the Shape Match TKA.  
Striking a Balance: Kinematic Alignment and Shape Match Technology.  
Lucerne, Switzerland. January 2013

**Mandalia VI**, Waterson HB.  
The Hip Knee Ankle (HKA) axis and implant position relative to mechanical axis of femur and tibia for kinematically aligned Total knee Replacement.  
Golden Jubilee Congress of the Asia Pacific Orthopaedic Association and 7<sup>th</sup> Congress of the Asia Pacific Knee Society (APKS), New Deli, India, October 2012.

**Mandalia VI**, Al-Amin, Schranz P.  
The anterior horn of lateral meniscus – An important landmark for centre of the tibial ACL foot print.  
Golden Jubilee Congress of the Asia Pacific Orthopaedic Association and 7<sup>th</sup> Congress of the Asia Pacific Knee Society (APKS), New Deli, India, October 2012.

Al Arabi Y, **Mandalia V**, Williamson D.  
A test of stability in distal radius and ulna fractures in children  
EFFORT, Florence, Italy, May 2007

**Mandalia V**, Murray J, Fogg AJB.  
Clinicoradiological correlation and natural history of bone bruise of the knee  
Combined Orthopaedic Meeting, Sydney 25<sup>th</sup> Oct 2004

**Mandalia V**, George A, Williamson D, Taylor G.  
The Efficacy of NSAIDs in the Treatment of Acute Ankle Sprain: A Prospective Randomised Placebo Controlled Double Blind Study.  
British foot & Ankle Soc, Bristol, 9<sup>th</sup> October 2003  
American Orthopaedic Foot & Ankle Society Meeting, USA, 27<sup>th</sup> June 2003

**Mandalia V**, Singh V, Vaishnavi A.  
10 – 13 year follow up of modified Turco technique for the treatment of CTEV.  
Asia Pacific Orthopaedic Meeting, Singapore, 14<sup>th</sup> September 2002

**Mandalia V**, Thomas T.  
ESWL in treatment of lateral epicondylitis, Golfer's elbow and plantar fasciitis.  
Annual meeting of South African Orthopaedic Association, 03<sup>rd</sup> Sept 2001

#### NATIONAL MEETINGS

Jonathan Kosy, Katie Walmsley, Rahul Anaspure, Peter Schranz, **Vipul Mandalia**  
A Randomized Controlled trial of flexible versus rigid reamers for anteromedial portal

femoral tunnel drilling in Anterior cruciate ligament reconstruction – 3D CT comparison of tunnel morphology.  
BASK, Brighton, 26-27 March 2018

Ashim Mannan, Katie Walmsley, Peter Schranz, **Vipul Mandalia**  
Staged Meniscal Allograft Transplantation as a biologic treatment of the meniscal deficient knee: A prospective case series of 26 patients with maximum 88 month follow up.  
BASK, Brighton, 26-27 March 2019

Edward Matthews, Katie Walmsley, Peter Schranz, **Vipul Mandalia**  
Mid-term outcomes of Tibiofemoral and Patellofemoral Cartilage Defects Treated with matrix associated cartilage transplant  
BASK, Brighton, 26-27 March 2019

Andrew Cattell, Jonathan Kosy, Krish Bhadra, Andrel Young, Peter Schranz, **Vipul Mandalia**  
Does Anterior Cruciate Ligament Graft Diameter Affect PROMS or re-rupture rate following surgery?  
BASK, Brighton, 26-27 March 2019

Simon Middleton, Andrew Toms, Peter Schranz, **Vipul Mandalia**  
Mid to Long term outcomes of the Avon patella-femoral joint replacement  
BASK, Leicester, 20-21 March 2018

Kosy JD, Anaspure R, **Mandalia VI**  
The Magnetic Resonance Imaging Appearance of the Anterolateral Ligament of the Knee  
BASK, Liverpool, March 2016

Ben Waterson, Nick Clement, **Vipul Mandalia**, Andrew Toms  
The outcome of Total Knee Arthroplasty Implanted in Mechanical Alignment compared to Kinematic Alignment: A prospective Randomized Double-Blind Study.  
BASK March 2015, Telford, UK

James Bell, **Vipul Mandalia**, Peter Winlove  
Chemical Changes in human articular cartilage following RF Coblation Chondroplasty  
BASK March 2015, Telford, UK

**Mandalia V**, Kassam AM, Tillotson L, Schranz P  
Validation of AHLM as arthroscopic Landmark for anatomic tibial tunnel placement  
IOS UK, London June 2014

James Bell, **Vipul Mandalia**, Charles Peter Winlove  
Characterizing changes in articular cartilage following electrothermal chondroplasty  
Autumn meeting of the British Society of Matrix Biology, June 2014

**Mandalia V**, Bell J, Winlove P  
Changes in Human Articular Cartilage following RF Coblation Chondroplasty  
IOS UK, London June 2014

Ahmad R, Schranz P, **Mandalia V**  
Outcome of Combine MPFL Reconstruction with Tibial Tubercle Transfer in patients

with Recurrent Patella Instability  
IOS UK, London June 2014

Phillips, Schranz P, **Mandalia V**

Analysis of causes of failure to return to pre-injury level of activity following ACL Reconstruction – A study of 100 patients with minimum 1 year follow up.  
BASK April 2014, Norwich.

Waterson HB, **Mandalia, VI**, Toms AD. Kinematically aligned total knee arthroplasty demonstrates superior results over mechanically aligned total knee arthroplasty in the early post-operative period. Podium presentation at B.A.S.K. Leeds 2013.

Kassam A **Mandalia V**, Schranz P

Day case ACL reconstruction: Success, Pitfalls and patient pain responses.  
British Orthopaedic Specialist Association (BOSA) October 2011

Kassam A **Mandalia V**, Schranz P

Anterior horn of lateral meniscus as a guide to anatomic tibial tunnel placement in ACL reconstruction  
Indian Orthopaedic Association, UK, June 2011

**Mandalia V**, Williams C, Schranz P, Silver D, Redfern A.

Bone marrow oedema in asymptomatic athletes.  
Indian Orthopaedic Association, UK June 2010

**Mandalia V**, Porteous A

A perfect tibial tunnel for ACL reconstruction from a nearly perfect guide wire  
Sports Knee Surgery, Warwick Oct 2007

Barnett A, **Mandalia V**, Wakeley C, Eldridge J.

The Patellochlear Index; A more clinically relevant measurement of patella height?  
BASK, April 2008.

Harish K, **Mandalia V**, Shaju A, Singh B, Beaumont A.

Stability of k wire fixation in distal radius fracture: A radiological study  
British Trauma Society Oct 2004

Trikha SP, Raynham OW, McHugh FM, Lewis JC, **Mandalia V**.

The use of Tranexamic acid in eliminating blood transfusion after total knee replacement  
Royal Society of Medicine Meeting, London 3<sup>rd</sup> Feb 2004

**Mandalia V**, Murry J, Irby S, Fogg AJB, Henson J.

The Natural History of the Bone Bruising of the Knee  
AOUK Research Prize, AOUK Annual Meeting, Alton Tower, 8<sup>th</sup> Nov 2003

**Mandalia V**, Fogg AJB, Henson J.

A clinico-radiological correlation of Bone Bruising of the Knee: A Prospective Randomised Controlled Study  
United Kingdom Radiology Congress, Birmingham, 15<sup>th</sup> June 2003

#### REGIONAL MEETINGS

Doherty CJ, Kosy JD, Anaspure R, **Mandalia VI**  
Do Intra-operative Findings match Pre-operative MRI findings in ACL Reconstruction  
South West Orthopaedic Club, Torbay, June 2016

Kosy JD, Anaspure R, **Mandalia VI**  
The Return of the Anterolateral Ligament- Injury Associated with ACL Rupture  
Peninsular OSCAR Awards, Dartmouth October 2015

Kosy JD, Anaspure R, **Mandalia VI**  
Characterising the Anatomy of the Anterolateral Ligament of the Knee – Cadaveric  
dissection and MRI studies  
South West Orthopaedic Club, Exeter, May 2015

Kosy JD, **Mandalia VI**  
The Use of a 70-degree Arthroscope and Flexible Reamers to Achieve Anatomical Graft  
Position in ACL Reconstruction  
OSCAR Awards, Mawgan Porth, October 2014

**Mandalia V**  
ALL reconstruction – Current evidence  
Southwest Knee Surgeon Meeting, November 2015

**Mandalia V**  
Meniscal Allograft Transplantation  
Southwest Knee Surgeon Meeting, November 2015

**Mandalia VI**, Waterson HB.  
Shape Match Knee Replacement.  
Royal College of Surgeons of England Visit. Exeter, September 2012

Woodcare T, Thomas, A, **Mandalia V**.  
The use of radiofrequency energy for arthroscopic chondroplasty of the knee.  
SWOC 2012.

Phillips A, Gourban A, Naim S, Toms A, **Mandalia V**  
“Reliability of radiographic measurements of knee range of motion following TKR”  
SWOC May 2012

Phillips A, Gourban A, Naim S, Toms A, **Mandalia V**  
Early Results of Journey Deuce Bicompartamental Knee Replacement; a single centre  
series with minimum 6-month follow up.  
SWOC May 2011

Kassam A, **Mandalia V**  
Anterior Horn of lateral meniscus as a guide to tibial tunnel placement during ACL  
reconstruction  
SWOC May 2011

Tong A, **Mandalia V**, Deo S.  
Arthroscopy in painful Unicompartmental knee replacement  
South Thames Meeting, Swindon, Sep 2007

**Mandalia V**. Toms A.



UK / Overseas Fellowship. Royal College of Surgeon President Visit, Exeter May 07

Williamson D, **Mandalia V**, Al-Arabi Y.  
Predictive value of stability testing of paediatric distal radius fracture  
Girdlestone Meeting, Austria, July 2006

**Mandalia V**, Murray J, Fogg AJB, Irby S.  
Recovery pattern and factors affecting traumatic bone bruising of the knee  
Gauvain Meeting, Basingstoke, UK 10<sup>th</sup> June 2005

**Mandalia V**, Yasir A, AJB Fogg.  
Caudal Epidural Steroid Injection in Sciatica: A Prospective Study  
Gauvain Meeting, Southampton, 13 June 2003

**Mandalia V**, Thomas T.  
ESWT in refractory tennis elbow, golfer's elbow and plantar fasciitis  
Gauvain Meeting, Chilworth, Southampton, 14 June 2002

**Mandalia V**, Thomas T, Chari R.  
Shock Waves in soft tissue orthopaedic problems  
Yorkshire visiting consultant meeting, PMH, Swindon, 11 June 2001

## POSTER PRESENTATION

Andrel Young, Riaz Ahmed, Ciaran Doherty, Stefan Bajada, Peter Schranz, **Vipul Mandalia**.  
Mid Term results for medial patello-femoral ligament reconstruction (MPFL) utilising  
"V" shaped patella tunnel technique.  
BASK, Brighton, 26-27 March 2019

Andrew Cattell, Veenesh Selvaratnam, Keith Eyres, **Vipul Mandalia**, Jon Phillips,  
Andrew Toms.  
Early experience of Robotic assisted UKR: outcomes and implant positioning  
BASK, Brighton 26-27 March 2019

Veenesh Selvaratnam, Andrew Cattell, Keith Eyres, Andrew Toms, **Vipul Mandalia**  
Early experience of Robotic Assisted Patello-femoral Arthroplasty: Correlation of preop  
planning and intra op implant position.  
BASK, Brighton, 26-27 March 2019.

Middleton S, **Mandalia V**, Schranz P, Toms A  
The fixed bearing Stryker Triathlon Partial Knee Replacement – A Multi-surgeon, single  
center cohort Study with mean follow up of 4.5 years.  
BASK 19-20 March 2018

Keeling P, **Mandalia V**, Toms A  
Coronal Alignment in Kinematic Total Knee Arthroplasty – The 4 year results of the  
outliers.  
BASK 19-20 March 2018

Singh A, Schranz P, **Mandalia V**  
Evaluating results of a tertiary referral chondrocyte Implantation service over 15 years  
25<sup>th</sup> Annual and Anniversary Meeting of the European Orthopedic Research Society

Munich 13-15 Sept 2017

Kosy JD, Schranz PJ, Anaspure R, **Mandalia VI.**

The incidence of Anterolateral Ligament injury in Association with Anterior Cruciate Ligament Rupture on Pre-operative Magnetic Resonance Imaging  
BASK, Liverpool, March 2016

Hugh Waterson, Nick Clement, **Vipul Mandalia**, Andrew Toms

The outcome of Total Knee Arthroplasty Implanted in Mechanical Alignment compared to Kinematic Alignment: A prospective Randomized Double-Blind Study.  
EFFORT, Prague, May 2015

Al-Amin Kassam, Laura Tillotson, Peter Schranz, **Vipul Mandalia**

Validation of the anterior horn of lateral meniscus as arthroscopic landmark for anatomic Tibial tunnel placement.  
BASK March 2015, Telford, UK

Simon Middleton, Laura Tillotson, Peter Schranz, **Vipul Mandalia**

Mid to long term Survivorship of Avon Patellofemoral Replacement from Exeter Knee Reconstruction Unit  
BASK March 2015, Telford, UK

Jonathan Kosy, **Vipul Mandalia**

Early Operative Experience of Using a 70-degree arthroscope and flexible reamers in Anterior Cruciate Ligament Reconstruction (E-Poster)  
BASK March 2015, Telford, UK

Walter RP, Dhadwal A, Schranz P, **Mandalia V.**

Meniscal repair and effect of previous ACL reconstruction.  
BASK, Norwich, April 2014.

Arthur CHC, Phillips J, toms AT, **Mandalia V.**

Is Kinematic alignment associated with an increased incidence of early complications following Total Knee Arthroplasty.  
BASK, Norwich, April 2014.

JS Bell, **V Mandalia**, CP Winlove

Physical Effects of Radiofrequency Chondroplasty  
British Society of Matrix Biology, Cardiff Sep 2013

Waterson HB, **Mandalia, VI**, Toms AD. Implant position relative to the mechanical axis of the femur and tibia for the kinematically aligned total knee replacement. E-poster at B.A.S.K. Leeds 2013.

Waterson HB, **Mandalia, VI**, Toms AD. Effect of kinematic alignment on peri-prosthetic bone mineral density, after total knee arthroplasty. Poster presentation at B.A.S.K. Leeds 2013.

Woodcare T, Thomas A, **Mandalia V.**

The use of Radiofrequency energy for arthroscopic chondroplasty of the knee. Clinical outcome of RF treatment – London Knee Meeting – Oct 2012

Thomas Anna, **Mandalia V.**

Double bundle ACL Reconstruction at RD&E.  
SWOC November 2012.

Kassam A, Schranz A, **Mandalia V**  
Day case ACL reconstruction: Success, Pitfalls and patient pain responses.  
Combined Orthopaedic Associations meeting (COMOC). Glasgow, Sep 2011

European Federation of National Associations of Orthopaedic Sports Traumatology  
(EFOST), Brussels Nov 2010

Kassam A, **Mandalia V**  
The lateral meniscus as a guide to anatomic tibial tunnel placement during anterior  
cruciate ligament reconstruction.  
SICOT, Dubai November 2012

**Mandalia V**, A Bhattacharjee A, Eldridge J, Toms A.  
Relationship between central axis of proximal tibia and centre of ankle joint.  
European Society for Surgical Research, Warsaw, Poland 2008

Tong A, **Mandalia V**, Deo S.  
Arthroscopy following Unicompartmental Knee Replacement  
EFFORT Congress, Italy May 2007

**Mandalia V**, Murray J, Fogg AJB, Irby S et al.  
Recovery pattern and factors affecting traumatic bone bruising of the knee  
UKRC, Birmingham, UK May 2006

Kurup H, **Mandalia V**, Shaju A, Singh B, Mehta R, Beaumont A.  
Predicting Failure of K wire fixation of distal radius fracture  
AAOS, Chicago, 22-26 March 2006

**Mandalia V**, Murray J, Irby S, Fogg AJB, Henson J.  
Bone bruising of the knee: a prospective randomised study to elucidate the natural  
history of bone bruising  
BASK, Basingstoke 1-2 April 2004

**Mandalia V**, Williamson D.  
Pathological Fractures due to Primary Systemic Amyloidosis – a case report and literature  
review  
BOA, Birmingham 17-19 September 2003

**Mandalia V**, George A, Williamson D, Taylor G.  
Role of NSAID in acute ankle sprain injury: A prospective placebo-controlled RCT.  
BOA, Birmingham 17-19 September 2003  
Asia pacific Orthopaedic Meeting, Singapore, 14 – 16 September 2002

**Mandalia V**, Thomas T.  
Efficacy of ESWT in refractory Tennis elbow, Golfer's elbow and Plantar fasciitis  
Asia pacific Orthopaedic Meeting, Singapore, 14 – 16 September 2002.

## **ON GOING RESEARCH**

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- Outcome of V shaped intra-osseous patella tunnel in MPFL reconstruction. Is it safe and effective?
- Outcome of meniscal transplantation in patients with significant cartilage pathology – Early outcome
- Comparison of Straight vs. flexible reamer in femoral tunnel placement during ACL reconstruction – A prospective study.
- Comparison of fixed vs. adjustable suspensory loop femoral fixation during ACL Reconstruction – A prospective randomised trial.
- Mid term results of MACI technique for isolated articular cartilage defects.

## **CHIEF / PRINCIPAL INVESTIGATOR**

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- **ACTIVE trial** A multi-centre randomised trial of autologous chondrocyte transplantation versus existing treatments for chondral defects in the knee.
- **TETEC Trial** – A multicentre randomised international trial comparing 3rd generation of Cartilage transplantation to microfracture.
- **Cellular and Biomechanical effect of Radiofrequency chondroplasty on human articular cartilage.** A combined basic science project between Princess Elizabeth Orthopaedic Centre and Biophysics department at the University of Exeter.
- **RAF ACL study** - Radiological Assessment and Functional Outcome in ACL Reconstruction – Comparison of Straight Vs. Flexible reamer and tibial stump preservation in ACL Reconstruction. – A prospective Randomised Study.
- **Biomechanical properties of fixed and adjustable loop suspensory fixation devices** – A lab-based study comparing initial displacement, cycling elongation and load to failure of various suspensory fixation devices. .
- **Knee MRI scan of normal healthy volunteers with asymptomatic knee** – An investigation to understand true normal Patellofemoral relation and other knee parameters.
- **Comparison of various meniscus repair configuration** - Biomechanical comparison of different meniscus repair configuration for peripheral vertical meniscus tear

## CO-INVESTIGATOR

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- **A Prospective, Randomised Study Investigating the use of a Fixed Loop versus and Adjustable Suspensory Loop in ACL Reconstruction** – A comparison of Clinical and Functional Outcome.
- **A prospective, randomised, controlled study of the outcome and cost effectiveness of Triathlon CR knee replacement system:** Traditional instruments versus alternative alignment technique.
- **A feasibility study for a prospective, randomised, controlled study of the outcomes and cost effectiveness of personalised HTO:** custom TOKA HTO versus generic TOMOFIX HTO

## INNOVATIONS

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TOKA – Patented 3D printed, patient specific Limb alignment correction device and implant. First ever design of this type to be developed in the World. The first in human Trial soon to start in February 2020

Nonlinear Microscope + Arthroscope - Incorporating the ability to obtain microscopic details of cartilage while performing routine arthroscopy. In the developmental stage.

## COURSE CONVENOR

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**The South West Unicompartmental Arthroplasty Meeting**  
Sandy Park, Exeter 12 March 2020

**Exeter Sports Injury & Soft Tissue Symposium**  
Sandy Park, Exeter 26 Sep 2019

**Soft Tissue Knee Masterclass**  
Keele University 27 June 2018

**ACL and Meniscal Surgery Knee Symposium**  
RD&E, Exeter 8<sup>th</sup> June 2017

**Stryker Developments in ACL and Soft Tissue Knee Surgery**  
Amsterdam 8<sup>th</sup> Jul 2016, 2017, 2018, 2019

**Stryker Evolving Techniques in ACL surgery**  
Warwick, December 2013  
Cambridge, November 2014

### **Exeter Knee Masterclass**

Exeter, May 2016, 2017, 2018, 2019

### **Cadaveric Soft tissue Knee Masterclass**

Newcastle, 30<sup>th</sup> June- 1<sup>st</sup> July 2016

Keel University May 2017

## **INVITED FACULTY**

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- Advanced Arthroscopic Knee 2020, BOSTAA, London 16-17 Jan 2020
- 1<sup>st</sup> Annual Meeting of British Patellofemoral Society, Birmingham 8 Jan 2020
- BOSTAA, London, UK 27 Nov 2019
- Sports Knee, Warwick, UK 25-26 Nov 2019
- 40<sup>th</sup> Cyprus Orthopaedic Conference 1-3 Nov 2019
- 15<sup>th</sup> Bath Biomechanics Symposium, Bath 16 Sep 2019
- The Meniscus 2019 – Tech & Innovation Forum, Munich 26-27 June 2019
- International Child and Adolescent Knee Congress, Sheffield 13-14 June 2019
- Exeter Knee Masterclass, Exeter 7-8 May 2019
- Soft Tissue Knee Course, Amsterdam 21 March 2019
- The UK Biological Knee Society Meeting 31 Jan 2019
- Advanced Knee Arthroscopy, RCS of England 17-18 Jan 2019
- Southwest Orthopaedic Club 30 Nov 2018
- South West Ambulatory Group Conference, Buckfastleigh 12 Oct 2018
- BOA, Birmingham 28 Sep 2018
- Cartilage and osteoarthritis – Advanced Imaging workshop, Exeter 18 Sept 2018
- ACL – Technology Innovation Forum, Munich 11-12 July 2018
- ISKSAA Global summit, Leeds 21-22 June 2018
- Surgeon Advisory Meeting, Bicompartamental Knee, Amsterdam 22<sup>nd</sup> May 2018
- ESSKA 8-10 May 2018
- Surgeon Advisory Meeting, Sports Knee, Amsterdam 3<sup>rd</sup> May 2018

- First UK Patellofemoral Expert Surgeons Group meeting, Bristol 27<sup>th</sup> Nov 2017
- Advanced Arthroscopic Knee, RCS of England 26-27 Jan 2017
- BOA 16<sup>th</sup> Sept 2016
- IOACON, Kochi, 12-17 Dec 2016
- Triathlon Knee system 10-year Anniversary 20-22 May 2016
- GOACON, Baroda, India 5-7 Feb 2016
- Brighton Cadaveric Knee Course 8-9 July 2015
- Coblation in the Knee, London 2<sup>nd</sup> June 2015
- Great Expectations 2015
- Stryker 9<sup>th</sup> International Hip & Knee Symposium 1 13-15 Mar 2015
- Stryker Evolving Techniques in  
ACL & Arthroscopic Knee Surgery  
Evelyn Cambridge Surgical Training Centre Nov 2014
- Brighton Cadaveric course  
Hip & Knee 24-25 July 2014
- Knee Arthroscopy course, Warsaw, Poland Sep 2014
- Stryker Evolving technique in ACL Surgery  
Warwick Medical School Dec 2013
- Shape match masters meeting, Lucerne, Switzerland 3-4 Sep 2013
- SICOT, Hyderabad, India Oct 2013
- Baroda Orthopaedic Association, Gujarat, India Feb 2013
- Stryker TKR Innovation, Mahwah, NJ Feb 2013
- Midland Knee Controversies, Birmingham May 2012
- Key Opinion Leader - Shape Match knee replacement March 2012
- Arthroscopy Knee Skill Lab, Kiel, Germany 26<sup>th</sup> May 2011
- Scorpio Knee Instructional Course, Exeter. Nov 07
- Exeter Knee Master Class, Exeter April 08, 09, 10,11,13
- The Royal Berkshire FRCS (Orth) Viva course. April 07, Oct 07
- Revision Hip and Knee symposium, Exeter. June 07, 08
- Oxford FRCS (Orth) clinical course. March 07
- The Royal Berkshire FRCS (Orth) clinical course. Nov 06

## **PROFESSIONAL MEETINGS**

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- BOSTAA, London, UK 27 Nov 2019
- Sports Knee, Warwick, UK 25-26 Nov 2019
- 40<sup>th</sup> Cyprus Orthopaedic Conference 1-3 Nov 2019
- Orthobiologics and OCA cadaveric knee meeting , Munich 19 Sep 2019
- 15<sup>th</sup> Bath Biomechanics Symposium, Bath 16 Sep 2019
- International Child and Adolescent Knee Congress, Sheffield. 13-14 June 2019
- Exeter Knee Masterclass, Exeter 7-8 May 2019
- The Meniscus 2019 – Technology & Innovation Forum, Munich 26-27 June 2019
- Soft Tissue Knee Course, Amsterdam 21 March 2019
- BASK, Brighton 26-27 March 2019
- London Knee Osteotomy Masterclass, London 7-8 Feb 2019
- The UK Biologic Knee Society Meeting 13 Jan 2019

- Advanced Knee Arthroscopy, RCS of England 17-18 Jan 2019
- Cartilage and osteoarthritis – Advanced Imaging workshop, Exeter 18<sup>th</sup> Sept 2018
- Knee cadaveric workshop, Munich 11<sup>th</sup> Sept 2018
- ISKSAA, Leeds 21-22 June 2018
- ESSKA 8-10 May 2018
- MAKO System Certification Surgical Training Programme, Coventry  
5 April 2018
- BASK, Leicester 20-21 March 2018
- The 4<sup>th</sup> Meeting of Biologic Knee Society, The Belfry, Sutton Coldfield  
1-2 Feb 2018
- Mako system Certification Surgical Training Programme 14-15 March 2017
- Meniscal Allograft Transplant Focussed Education Surgical Technique Cadaveric  
Training Course 11 Jan 2017
- 13<sup>th</sup> ICRS World Congress 4-27 Sept 2016
- Indian Orthopaedic Society UK Annual conference 8-9 July 2016
- Save the Meniscus – Instructional Course, York 3-4 Sep 2015
- 17<sup>th</sup> Indian Orthopaedic Society UK, Liverpool 4<sup>th</sup> July 2015
- CMI – “Lectures and hands on”, Germany 23 June 2015
- South West Orthopaedic Club Meeting 15<sup>th</sup> May 2015
- Investigator’s Meeting NOVOCART 3D plus study 5-6 Feb 2015
- 5<sup>th</sup> Annual Arthrex UK Knee Symposium, Munich 28<sup>th</sup> Jan 2015
- MCIC User Group Meeting 6<sup>th</sup> Dec 2014
- Birmingham Patellofemoral Masterclass 19-20 Sept 2014
- 16<sup>th</sup> Annual IOSUK Congress 11-12 July 2014
- Sports Knee Surgery, Warwick 4-5 Nov 2013
- 15<sup>th</sup> Annual IOS UK Congress, Huddersfield 13<sup>th</sup> June 2013
- “Complete Knee” Advanced Knee Course, York 6-7 Dec 2011
- Sports Knee Surgery, Warwick 7-8 Nov 2011
- The LARS Masterclass, London 21<sup>st</sup> Oct 2011
- 13<sup>th</sup> Annual IOSUK Congress, Birmingham 25<sup>th</sup> June 2011
- Novocart 3D course, London 14<sup>th</sup> June 2011
- Osteotomy around the Knee A Masterclass, The Ark Basingstoke 4-5 Nov 2010
- Basic ILIZAROV Method Course, Birmingham 14-15 Oct 2010
- 12<sup>th</sup> Annual IOS UK Congress, Gillingham 19<sup>th</sup> June 2010
- Double Bundle Technique Workshop, Coventry 27<sup>th</sup> Nov 2009
- Triathlon PKR Instructional Course, Innsbruck, Austria 18-19 Nov 2009
- Sports Knee Surgery, Warwick 2-3 Nov 2009
- Exeter Scorpio NRG Masterclass, Exeter 27-28 Apr 2009
- ICRS – UK Workshop on Cartilage Transplantation, London 28-29 Jan 2009

## **MS (Orth) – THESIS**

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### **Mandalia V**

“Cannulated cancellous screw fixation in fracture neck of femur” – A prospective study of 44 cases.



## AUDIT

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- Return to pre-injury level of activity following ACL Reconstruction  
Exeter Knee Reconstruction Unit, Royal Devon and Exeter Hospital.
- Double Bundle ACL Reconstruction.  
Exeter Knee Reconstruction Unit, Royal Devon and Exeter Hospital.
- Day Case ACL Reconstruction.  
Exeter Knee Reconstruction Unit, Royal Devon and Exeter Hospital.
- Long bone open injury: A Retrospective Audit.  
Princess Margaret Hospital, Swindon.
- Caudal Epidural injection: A Prospective Audit.  
Princess Margaret Hospital, Swindon.
- Tip Apex Distance (TAD) in DHS fixation in intertrochanteric fractures: A prospective Audit.  
North Hampshire Hospital, Basingstoke
- Timing of post op Hb check in fracture neck of femur: A Prospective Audit.  
Southampton General Hospital, Southampton

## MEMBERSHIP

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- British Orthopaedic Association (BOA)
- British Association for Surgery of the Knee (BASK)
- International Cartilage Repair Society (ICRS)
- European Society for Sports Traumatology, Knee Surgery and Arthroscopy (ESSKA)
- British Orthopaedic Sports Trauma and Arthroscopy Association (BOSTAA)
- Biologic Knee Society (BKS)