

# CURRICULLUM VITAE

**Akinfemi . A. Akingboye MBBS, MRCS, MD (Res)**

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## **G.M.C. REGISTRATION**

- Registration Number: 6060398 (Full Registration Feb 2005)

## **QUALIFICATIONS**

### **Basic Qualification**

**Bachelor of Medicine, Bachelor of Surgery (MB.BS)** May 2000

- College of Medicine, University College Hospital, University of Ibadan, Nigeria

### **Postgraduate Qualifications**

**Member of the Royal College of Surgeons (M.R.C.S.)** March 2006

- Royal College of Surgeons of Dublin, Ireland

**Doctor of Medicine (Research)** Vascular/Inflammatory Biology -July 2012

- Institute of cell and Molecular Science, Barts and The London School of Medicine, Queen Mary University of London

**Certificate in Learning and Teaching** – 2009-2011

- Queen Mary University of London

**Certificate in Leadership and Management** -2009-2010

- Queen Mary University of London

## **PRIZES & AWARD**

- **Colchester Colorectal Travel grant fellowship (Valued of £2,000)**
- **Chief Residents' Management and Leadership Development Programme-** Judge Business School, Cambridge University August 2016- August 2017
- **Braun Aesculap Travelling Scholarship (£2,000)-** Association of laparoscopic Surgeons Great Britain & Ireland – April 2015
- **Travel grant (£1000)** - European Society of Vascular surgeon- April 2010
- **Travel grant (£1000)** - European Society of Vascular Surgery – June 2009
- **R&D Innovations fund-pilot project grant award scheme (£12,500)** - Barts and The London Hospitals NHS Trust, London- September 2007.

## **TRAVEL FELLOWSHIP**

- Colorectal division of Surgery Mayo clinic Rochester, Minnesota – August - Sept 2015
- Department of General Surgery – Royal Devon and Exeter Hospital – July-Aug 2017

## **PROFESSIONAL MEMBERSHIP**

- Association of Coloproctology of Great Britain and Ireland
- Association of Laparoscopic Surgeons of Great Britain & Ireland
- Affiliate fellow of the higher education academy

## EMPLOYMENT HISTORY

### PRESENT APPOINTMENT

<b>Specialty Registrar in General Surgery- <i>East of England Deanery Surgical training programme</i></b>	<b>Oct 2012- Present</b>
• Bedford Hospital (Colorectal/ Vascular Surgery)	Oct 2012- Oct 2013
• University Hospital Luton (Colorectal/ Upper GI)	Oct 2013- Oct 2014
• University Hospital Luton (Breast/endocrine /Bariatric)	Oct 2014-Oct 2015
• Peterborough City Hospital (Upper GI/Colorectal Surgery)	Oct 2015- Oct 2016
• Colchester General Hospital (General/Colorectal Surgery)	Oct 2016-Oct 2017

### PREVIOUS APPOINTMENTS

<b>LAT Specialty Registrar in General Surgery</b>	<b>Aug 2011 - Aug 2012</b>
• Ayr University Hospital, West of Scotland	
<b>LAS Specialty Registrar in Vascular/ General Surgery</b>	<b>Aug 2009- Aug 2011</b>
• Barts and the London Hospital, London	
<b>Academic Clinical Research Fellow</b>	<b>April 2007- July 2009</b>
• (Institute of Cell and Molecular Science, Queen Mary University of London)	

<b>Basic Surgical Training Rotation (Senior House Officer) 2007</b>	<b>Feb 2005 - April</b>
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- Bassetlaw General Hospital (A/E)
- Doncaster Royal Infirmary (Orthopaedic surgery)
- Doncaster Royal Infirmary (GI Surgery)
- Bassetlaw General Hospital (A/E)

### Other Senior House Officer Post

- |   |                             |
|---|-----------------------------|
| • Pilgrim Hospital, Boston, Lincolnshire<br>(General and Colorectal surgery)                      | <b>Feb 2004 - Feb 2005</b>  |
| • Enniscorthy Hospital, Co.Wexford, Ireland<br>(General adult psychiatry)                         | <b>July 2003 - Dec 2003</b> |
| • University College Hospital, Ibadan, Nigeria<br>(Accident &Emergency/ General Medical Practice) | <b>2002 June - June2003</b> |

### Pre-Registration House Officer

- |   |                             |
|---|-----------------------------|
| • University College Hospital, Ibadan, Nigeria<br><b>General surgery&amp; Plastic surgery</b><br><b>General Paediatrics &amp; Neonatology</b><br><b>General Medicine &amp; Neurology</b><br><b>Obstetrics &amp; Gynaecology</b> | <b>2000 June -June 2001</b> |
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## AUDITS

- 1.] Audit on the role of peritoneal pus sent for perforated appendicitis in guiding antibiotic policy – on going prospective audit- **2016**
- 2.] Audit on clinical management of giant colonic lipoma and the reliability of CT colonoscopy in diagnosing colonic lipoma- **2016**
- 3.] Audit on acute management of acute cholecystitis (CRP as a surrogate marker of severity) – **2015**
- 4.] Audit of implant lost in acellular dermal matrix for breast reconstruction -**2014**
- 5.] Audit of mechanical bowel preparation in elective colorectal surgery- **2014**
- 6.] Audit of radiation –dose effect during Elective EVAR- **2013**
- 7.] Audit of overview of clinical outcomes in Colorectal Cancer- **2012**
- 8.] Audit of unplanned Hospital Stay after Laparoscopic Cholecystectomy and Hernia repair in day case surgical Unit- **2011**.
- 9.] Audit - Comparing the duality of cross over-graft in EVAR and iliac artery occlusive disease -**2011**
- 10.] Audit of Stent graft migration of abdominal aortic aneurysm post endovascular repair- **2011**
- 11.] Audit of clinical outcomes of endovascularly managed isolated external iliac disease. - **2010**
- 12.] Audit of clinical outcomes following endoscopically managed colorectal malignant polyp -**2009**
- 13.] Audit of bowel function in patients following long course radiotherapy and anterior resection for locally advanced rectal cancer. -**2007**
- 14.] Audit of reversal of Hartmann’s procedure. **2006**
- 15.] Audit on safe endoscopic retrograde cholangiopancreatography (ERCP) practice in a District General Hospital. - **2004**
- 16.] Audit of completion, bowel preparation and complications in colonoscopy -**2004**

## PUBLICATIONS

- 1.] **Akingboye AA**. Report on Braun Aesculap travelling scholarship – My experience at the Colorectal Division of Surgery, Mayo Medical School - Published in the Spring 2016 newsletter of the Association of laparoscopic surgeons Great Britain and Ireland.
- 2.] Tokode OM, **Akingboye A**, and Coker A. Factors Affecting Reversal Following Hartmann’s Procedure: Experience from Two District General Hospitals in the UK **Surg Today (2011) 41:79–83**
- 3.] **Akingboye AA**, Gamston P, Giddins S, Tucker AA, H Navsaria, C Kyriakides Application of autologous derived-platelet rich plasma gel, in the treatment of chronic diabetic foot ulcers; a review article. *Ject 2010 March; 42:20-29*

- 4.]** Shah NA, **Akingboye A**, Haldipur N, Mackinlay JY, Jacob G. A case report of embolization coils migrating and being passed per rectum after embolization of a splenic artery pseudo aneurysm, 'the migrating coil'. *Cardiovasc. Interven. Radiol.* 2007. Nov-Dec; 30 (6): 1259-62.
- 5.]** Olubowale OO, **Akingboye AA**, S Elnazeer, AK Samy. Erosion of aorto-femoral Dacron graft into urinary bladder sixteen years after surgery; a case report. *Ejves Extra. Mar.* 2007; 13 (3) 52-53.
- 6.]** Ashok R, Sanjeev S, **Akingboye A**, T.Kumar. Simultaneous gluteal and forearm compartment syndrome: An unusual case. *Injury Extra. Mar* 2007; 38 (3) 78-80.
- 7.] Akimboye F**, Lloyd T, Hobson S, Garcea G. Migration of endoscopic biliray stent and small bowel perforation within an incisional hernia. *Surg. Laparos. Endosc. Percutan. Tech.* 2006 Feb; 16 (1) 39-40
- 7.] Akingboye AA**, Thakkar M, Kirkpatrick.K, Ravichandran.D Outcome of Immediate breast reconstruction using Surgimend acellular dermal matrice Published in the international Surgical Congress (ASGBI) Manchester 2015
- 8.]** T.Thakar, **Akingboye AA**, R Nadarajah, F Younis, S Gurjar . Mechanical Bowel Preparation for elective Colorectal Surgery – why bother? *Colorectal Disease Journal* 2014 July; (16) suppl s2: 159-203
- 9.] Akingboye AA**, Navsaria H, Kyriakides C. Autologous derived Platelet rich plasma gel (APG); may hold the key to improving the clinical outcomes of difficult to treat Diabetic foot ulcers. *BJS* 2009; 96(S5): 1-72
- 10.] Akingboye AA**, Navsaria H, Kyriakides C. The mitogenic effect of Platelet rich plasma (PRP) concentrate on human epidermal kerationcyte and dermal fibroblast may have implications for cutaneous wound healing. *BJS* 2009; 96(S5): 1-72
- 11.] Akingboye AA**, Bent C, Kyriakides et.al. Clinical outcomes following endovascular treatment of isolated external iliac artery disease, 5 year review. Published in the international Surgical Congress (ASGBI) Glasgow, May 2009, Pg 50, abstract no 0361
- 12.] Akingboye AA**, Navsaria H, Kyriakides C. Autologous derived Platelet rich plasma gel (APG); may hold the key to improving the clinical outcomes of difficult to treat Diabetic foot ulcers. Published in the international Surgical Congress (ASGBI) Glasgow, May2009, Pg 50,

**13.] Akingboye AA**, Navsaria H, Kyriakides C. The biological effect of platelet rich plasma concentrate on human epidermal keratinocyte and dermal fibroblast may have tissue regeneration implications. *Interact CardioVasc Thorac Surg* 2009; Vol 8(Suppl 1): S90 V9-7

**14.] Akingboye AA**, Navsaria H., Kyriakides C. The biological effect of platelet –rich plasma on proliferation, and migration of Human Keratinocyte, Fibroblast and transfected Keratinocyte (Neb-1 cell); appears to be dose dependent. Published in the SARS 2009 Year book Jan 8th oral abstract session page 77.

**15.] Olubowale OO**, Holt S, Sood S, Francis R, **Akingboye AA**. Are we over treating biopsy proven indeterminate breast lesions? *European Journal of surgical oncology* 2008;10 (34): 1182

**16.] Akingboye AA**, Bent C, Kyriakides et.al. Clinical outcome of endovascularly treated isolated external iliac artery disease. *Interact CardioVasc Thorac Surg April 15th 2008; Vol 7 (Suppl 1): S26 V4-4* **17.] Akingboye AA**, Thanvi N, Pledge S, Coker

**18.] Akingboye AA**, Verghese A, Coker OA. Malignant Colorectal polyp: Is colorectal resection necessary. *Colorectal Dis.* 2007 Oct: 9 (suppl 3): 31

**19.] OM Tokode**, **Akingboye AA**, Coker AO. Reversal of Hartmann’s procedure; a ten-year retrospective review. *Colorectal Dis.* Sept 2006. 8; (Suppl 4):23-43

## **SUBMITTED MANUSCRIPT.**

1.]Akingboye AA, Patel B, Cross F. Femoro- Femoral crossover graft patency as part of endovascular aneurysm repair compared to treatment of unilateral iliac artery. *Submitted to Southern Medical Journal.*

## **MANUSCRIPT IN PROGRESS**

1.] Akingboye AA, Chaudhuri A. A dedicated lightweight titanized mesh prevents incisional hernias after elective open abdominal aortic aneurysm (AAA) repair to be *submitted to European journal of endovascular surgery.*

2.] Akingboye. A, Aruplampalam T. Pilonidal disease- Why endoscopic treatment? – a literature review and a metanalysis.

## **PRESENTATIONS**

**1.] Akingboye AA**, Dennis R, Hardy. A, Menon M. Giant Colonic Lipomas : case series and review of literature. Abstract accepted at the local chapter of Association of Colproctology of Great Britain and Ireland- April 2016

**2.] Akingboye A.A**, Malam Y, Thakkar M, Jambulingam P Gangrenous cholecystitis (GC): the complementary role of C-reactive protein (CRP) and Neutrophil to

Lymphocyte ratio (NLR) as a surrogate marker of severity – Poster presentation at the Association of Laparoscopic surgeons of Great Britain and Ireland – Nov 2015

**3.] Akingboye AA, Obichere M.** Case report- Perianal Paget’s disease (Extramammary Paget’s disease). East of Anglia Surgical Forum, Cambridge -March 2014

**4.] Akingboye AA, Chaudhuri A.** A dedicated lightweight titanized mesh prevents incisional hernias after elective open abdominal aortic aneurysm (AAA) repair: results of a prospective pilot audit. East of England Vascular Group - July 2013

**5.] Akingboye AA, Fotiadis N, Kyriakides C** Endovascular Repair of a secondary Aorto-enteric Fistula; managing the attendant complications. Charing Cross – Controversies Challenges Consensus. Surgeons in Training Prize -April 2010

**6.] Ahmed I, Akingboye AA, Renfrew I, Matson M.** Pelvic trauma embolisation; bleeding vessel. Cardiovascular and interventional Radiological Society of European congress, Lisbon, Portugal- Sept 2009

**7.] Akingboye AA, Gamston P, Navsaria AH, Kyriakides C.** Growth factor levels in Autologous derived Platelet –rich plasma and Platelet-poor plasma; implication for tissue reparation and wound healing. European society of vascular surgery Oslo Norway- Sept 2009

**8.] Akingboye AA, H Navsaria, C Kyriakides.** The biological effect of platelet – Rich plasma on proliferation, and migration of Human Keratinocyte, Fibroblast appears to be dose dependent. Society of Academic & Research Surgery Annual meeting Bristol University of Bristol, England-Jan 2009

**9.] Akingboye AA, J .S. Bagley.** Complication and recurrence rates from a prospective review of data of Total Mesorectal excision for rectal cancer. ASiT meeting Belfast, a poster presentation- Jan2007

## **ACCEPTED ABSTRACT FOR POSTER PRESENTATION**

1.] Davies B, Akingboye A, Dennis R. Pus samples in complicated appendicitis: An important investigation or a waste of money? Reference 0923, ASiT Conference in Bournemouth on 31st March -2nd April 2017

2.] Akingboye A, Ansari A, Hardy A, Menon M, Giant colonic lipomas: a case series and review, Reference 0437 SEC ASGBI in Glasgow on 3rd- Friday 5th May 2017.

## **SUMMARY OF RESEARCH PROJECT**

*I wrote the research protocol for the project, applied for ethics approval and submitted amendment to the ethics committee when the need arose.*

*My research project was on the role of autologous derived platelet rich plasma in treating chronic diabetic foot ulcers.*

I was awarded a £12,000 grant from the innovative research grant scheme of the Barts and The London Hospital Trust NHS. The research project led to the ward of M.D (*research*) degree at the Queen Mary University of London. The research had two component; the clinical pilot study and the laboratory component

The laboratory part of the study focused on characterizing Platelet rich plasma (PRP/PPP) and platelet poor plasma and the biological effects of the PRP/PPP were assessed on human derived epidermal keratinocyte and dermal fibroblast, endothelial cells. Growth factors of particular interest (PDGF, TGT, FGF, VEGF, IGF, EGF, TSP-1 and PF-4) were comparatively analysed from PRP and PPP through the use of Enzyme linked immunoabsorbent (ELISA) technique. Furthermore, the results from the experimental model of cell proliferation, chemotactic and angiogenesis assay on human derived keratinocyte, fibroblast and endothelia cell following treatment with platelet rich/poor plasma gel showed a consistent positive mitogenic and angiogenic effect which was observed to be dose dependent..

In addition, wound biopsy taken at day 0, 8, week 4 and week 8 were analysed through immuno-histochemistry. Biopsies obtained from the ulcers during treatment were assessed for the expression of keratin proteins (Ki67 & K1&10, K5), Collagen (I, III, VII), cell surface protein (CD31 & 44), beta-1 integrin through immunoperoxide staining technique. In summary, we have demonstrated that Autologus derived platelet may play a vital role in accelerating the process of wound healing as shown by the positive biological effect on all in vitro assays. However, the same effect was not producible in the pilot study; complete wound re-epithelisation was achieved in only 3 patients.

The clinical part of the pilot study entailed treating chronic diabetic foot ulcers with Autologus platelet gel. Seven diabetic patients were recruited into the study. The ulcers were debrided and treated with platelet rich plasma. Computerised planimetry and photographicical documentation were used as an objective means to assess the rate of wound re-epithelisation and coverage over a 16 weeks period.

We concluded that a number of potentially therapeutic growth factors were detected from PRP in significant levels. The direct application of PRP to wound is believed to deliver growth factors to wounds and allows wound to mimic normal physiological wound healing and tissue reparation process. However, there are confounding factors that preclude direct translational application of PRP in the clinical setting. Preliminary results from the laboratory study have been presented as oral and poster presentation at national and international meetings.

## **T**RAINING COURSES

### **L**APAROSCOPIC COURSE

May 2016-	Upper GI laparoscopic- (Cadaveric)	Addenbrookes, University Hospital
Nov 2015-	ALSGBI Laparoscopic Training -	Broad green Hospital, Liverpool
Nov 2014-	Intermediate laparoscopic Course-	Addenbrookes University Hospital
Nov 2012	Laparoscopic Simulation for SpR-	Addenbrookes University Hospital
Dec 2011	Intermediate Skills in Laparoscopic Surgery-	University of Dundee, U.K
Dec 2011	Vascular and Intestinal Anastomosis -	University Hospital, Ayr, Scotland

### **C**OLORECTAL SURGERY COURSE

June 2016 –	Transanal Hemorrhoidal dearterialisation-	Whip Cross Hospital, London
March 2016-	Master class in Colo-rectal diseases –	Bassingstoke Hospital

### **E**NDOSCOPIC SKILL

July 2013	Basic Colonoscopy Course	Norwich & Norfolk University Hospital
Dec 2011	Basic Upper GI Endoscopic Course	University of Dundee, U.K

### **E**MERGENCY & TRAUMA SURGERY

March 2017	ATLS	Mid Essex Hospital ( Broomfield), UK
Nov 2011	ATLS	Barts and the Royal London Hospital, U.K
Feb 2009	Specialty Skills in Emergency Surgery &Trauma	Royal College of Surgeons Eng. U.K
Nov 2009	Trauma& Damage control Surgery	Queen Mary University of London

### **C**ORE SURGICAL SKILLS / RESUSCIATION COURSES

Dec 2008	ALS	King's College Hospital London
May 2007	EPLS Course	Mayday University Hospital,
Mar. 2006	ATLS Course	Peterborough Hospital
May 2005	CCrISP Course	Glen field Hospital Leicester
Aug 2004	ALS Course	Grantham District Hospital
May 2004	BSS Course	Leicester General Hospital

### **H**IGHER SURGICAL CAVADERIC SIMULATION COURSE- Cambridge

June 2016 –	Complex abdominal wall reconstruction -	Evenyl surgical training centre
Dec 2016 –	Hepatobiliary operative techniques -	Evenyl surgical training centre
Dec 2016-	Pancreatic surgery operative techniques -	Evenyl surgical training centre
Oct 2016-	Transplant and vascular surgery technique-	Evenyl surgical training centre
May 2016-	Upper gastrointestinal surgery -	Evenyl surgical training centre
June 2015	Chest Trauma/ Damage control	Evenyl surgical training centre,

### **C**OMMUNICATION SKILL COURSE

March 2017 –	Advanced communication skill course-	Colchester Hospice, Essex
Aug 2014 -	Mastering difficult interaction with patient –	Medical Protection Society



## **TEACHING /RESEARCH GOVERNANCE COURSES**

July 2014	Tomorrow's teachers course	Post graduate Medical, Cambridge
June 2008	Advanced Statistics Course	Barts and the London Hospitals
May 2008	Basic Statistics Course	Barts and The London Hospitals
Oct 2007	Research Governance	Barts and The London Hospitals

## **ENDOVASCULAR SURGERY COURSES**

April 2010	Endovenous Therapy Course	Charing Cross, Imperial College, London
May 2008	Thoracic Endografting Course	Barts and The London Hospital
Oct 2007	EVAR course	Barts and The London Hospital, U.K
May 2007	EVLV course	Barts and The London Hospital, U.K

## **CONFERENCE ATTENDED**

01/03/17	International hernia conference , ICENI, Colchester
03/02/17	Local chapter of ACPGBI, Imperial Museum, Cambridge
18/04/16	Local chapter of ACPGBI, University of Norfolk and Norwich
25/11/15	Association of Laparoscopic surgeon Annual meeting, Southport
19/03/14	East Anglia Surgical Club, Imperial Aircraft Museum, Duxford
06/12/13	Royal Society of Medicine, (Local chapter meeting, Luton)
05/07/13	East of England Vascular Group; Madginley Hall, Cambridge
15/02/13	East Anglia Surgical Club, Queens Elizabeth Hospital, king Lynn
13/04/ 10	Charing Cross controversies challenge consensus, Imperial College, London, UK.
23/05/09	European Society of Surgical Research 44 <sup>th</sup> Annual Congress meeting, Nimes, France.
30/04/09	European Society of Cardiovascular Surgery, 54 <sup>th</sup> Annual Congress meeting, Warsaw, Poland.
08/01/09	Society of Academic and Research Surgery, Annual scientific conference University of Bristol, England.
14/10/08	105 <sup>th</sup> William Harvey Annual scientific Conference St. Bartholomew Hospital, Smithfield Market, London
12/10/07	Annual meeting of East Midland Surgical Society: Chesterfield Royal Infirmary, Derbyshire, England
29/09/07	2 <sup>nd</sup> annual conference and scientific meeting of European Society Coloproctologist (ESCP), Malta
31/03/07	Preparing the 21 <sup>st</sup> century Surgeon Association of Surgeons In Training (ASiT), Belfast, Northern Ireland
13/09/06	Live Course: Modern Management of Colorectal cancer European society of coloproctologists, Lisbon, Portugal

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## **T**EACHING EXPERIENCE

- Anatomy demonstrator at the Queen Mary University Hospital (2007-2008)
- Certified OSCE assessor and examiner at the Barts and the London medical school (2008-2010)
- Facilitated PBA learning and taught medical student using didactic lectures
- Surgical teaching coordinator for FY1/CTs/SpR –Ayr University Hospital( 2011)

## **P**ROFESSIONAL MEMBERSHIP

- Trainee Member, Association of Laparoscopic Surgeons of Great Britain & Ireland (ALSGBI).
- Associate Fellow of the Higher Education Academy, U.K – 2011
- Associate member, Institute of Leadership and Management, U.K - 2009

## **P**ERSONAL INTERESTS

Natural history, art collection and photography, football, badminton, volleyball, charity initiatives towards healthcare.

## **R**EFERENCE

Miss Sharmila Gupta (MD, FRCS)  
Consultant laparoscopic and Colorectal surgeon  
Colchester Hospital University Foundation Trust  
[Sharmila.Gupta@colchesterhospital.nhs.uk](mailto:Sharmila.Gupta@colchesterhospital.nhs.uk)

Mr. Thankumar Arulampalam (MD, FRCS)  
Consultant laparoscopic and Colorectal surgeon  
Colchester Hospital University Foundation Trust  
Director of ICENI centre, Colchester.  
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