

# CURRICULUM VITAE

Mr Julian Choi FRACS  
Suite 6.5/89 Bridge Road, Richmond, Victoria 3121  
Phone: 9429 1002

## CURRENT APPOINTMENT

General and Hepato-Pancreato-Biliary Surgeon,  
Western Health, 160 Gordon Street, Footscray, Victoria 3011  
Supervisor, SET/ GSET training, Western Health

Epworth Hospital, Suite 6.5, 89 Bridge Road Richmond, Victoria 3121  
Consultant HPB surgeon

Honorary Senior Lecturer, Department of Surgery, University of Melbourne

## QUALIFICATIONS

FRACS (Fellow of Royal Australasian College of Surgeons, 2007)  
MBBS, University of Melbourne (1998)  
Dip. Surgical Anatomy, University of Melbourne (2001)  
Dip. Advanced Laparoscopic Surgery, EITS, University of Louis Pasteur, Strasbourg,  
France (2006)

## REGISTRATIONS & MEMBERSHIPS

AHPRA  
Fellow of Royal Australasian College of Surgeons (FRACS)  
ANZHPBA/ IHPBA/ ESLD  
General Medical Council – UK  
GESA – Gastroscopy and Colonoscopy

## CLINICAL EXPERIENCE

HPB/General Surgeon:  
Western Health  
Epworth Hospital

HBP Fellow: 2009  
Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea

Hepatobiliary and Pancreas surgery Fellow: 2008  
Royal North Shore Hospital, NSW

UGI/ HPB Fellow: 2007  
The Alfred, Victoria

Advanced Surgical Training – The Royal Melbourne Hospital  
Basic Surgical Training - Royal Melbourne Hospital

Internship - Royal Melbourne Hospital

## **TEACHING & LEARNING**

Honorary Senior Lecturer, Department of Surgery, Western Health,  
University of Melbourne.

Epworth Richmond  
Teaching medical students and SET registrars

Western Health  
Teaching Medical students  
    Medical Ethics and clinical practice (2010-2012)  
    Surgical long case tutorials (2012-2018)  
    Examiner  
    MD2 research projects/ medical students vocational selective (2015-current)

RACS  
    SET supervisor for General Surgery at Western Health – (2014-2023)  
    Chair of Simulation Sub-committee (2016-2022)  
    Presentations and teachings for FRACS Part 2 examination courses

ANZHPBA  
    HPB SET trainees revision course - 2023

Epworth Richmond  
    Robotic general surgery symposium – 11/11/2023

Teaching GPs  
    Western Health UGI GP nights (Yearly)  
    Epworth Hospital GP seminar series

## **RESEARCH**

### **COLLABORATIVE RESEARCH PROJECTS**

1. PI – Neoadjuvant Chemotherapy for Resectable Pancreatic ductal adenocarcinoma (NARPA RCT trial – ANZHPBA) with successful grant application for 2023
  - a. Collaborating with SNU (Seoul National University) and Korean HPBA to form an international trial on the topic
2. Site PI – SCANpatient Clinical Trial (Western Health, Epworth Richmond, MRFF)
  - a. Multi-centre Australian trial examining role of synaptic reporting for Pancreatic ductal adenocarcinoma
3. Site PI – DRAGON trial (Western health)
  - a. International trial examining role of concurrent hepatic vein and portal vein embolization for future liver remnant modification
4. Clinical support for ANZELA QI – Western Health
  - a. One of clinical leader for ANZELA QI for Western Health, coordinating collection of data for emergency laparotomy audit

### **GRANTS & RESEARCH AWARDS**

#### JO CURZON-SIGGERS PANCREATIC CANCER RESEARCH GRANT 2023 & 2024

Application for Neoadjuvant Chemotherapy for Resectable Pancreatic ductal adenocarcinoma (NARPA RCT trial)

#### COSTELLO FAMILY FOUNDATION EPWORTH INNOVATION GRANT 2023

Robotic HPB surgery program

#### ROZENGARTEN CLINICAL RESEARCH PRIZE

Title: Validation of Lap Box Trainer

Dec 2007, The Alfred, Melbourne

*Supervisor: W. Brown*

#### BEST FREE PAPER (SURGICAL EDUCATION)

Title: Early Cholecystectomy for Gallstone Pancreatitis

RACS ASC 2005, Perth

*Supervisor: Mr. G. Thompson*

#### PETER BRAITHWAITE PRIZE

Best Paper presented by an Advanced Surgical Trainee at RACS Tasmania Annual Scientific Meeting October 2004

Title: Quantitative Analysis of Diathermy Smoke

*Supervisor: Mr. P. Hewitt*

### **GRANTS & RESEARCH AWARDS**

#### D. R. LESLIE PRIZE

Best Clinical Research Project at Victorian State Committee 2002 Annual General & Scientific Meeting.

Title: Audit of 101 Gallstone Pancreatitis Admissions at Western Hospital  
*Supervisor: Mr. G. Thompson*

## **JOURNAL REVIEWER**

1. Regular reviewer for ANZ Journal of Surgery
2. Reviewer for Annals of Pancreatic Cancer
3. Reviewer for International Journal of Surgery

## **PUBLICATIONS**

### **Evaluation of a chat GPT generated patient information leaflet about laparoscopic cholecystectomy.**

Lockie E, **Choi J.** ANZ J Surg. 2023 Dec 22

### **Total vascular exclusion and delayed resection in major cardiopulmonary resuscitation related liver injury**

Elizabeth Lockie<sup>1,2</sup>, Osamu Yoshino<sup>1,3</sup>, Julian Choi<sup>1,4</sup>  
ANZ J Surg  
2023 Oct;93(10):2540.

### **The safety and efficacy of laparoscopic retrograde appendectomy, base-to-tip approach.**

Ko A, Lindsay P and Choi J Front. Surg. 2023. 10:1256256

### **Learning curve of laparoscopic inguinal hernia repair: systematic review, meta-analysis, and meta-regression**

Jonathan Sivakumar<sup>1,2,3</sup>, Qianyu Chen<sup>4</sup>, Michael W Hii<sup>5,6,4</sup>, Mark Cullinan<sup>5,7</sup>, Julian Choi<sup>5,8</sup>, Mark Steven<sup>5</sup>, Gary Crosthwaite<sup>5,6</sup>  
Surg Endosc. 2023 Apr;37(4):2453-2475

### **Dragon 1 Protocol Manuscript: Training, Accreditation, Implementation and Safety Evaluation of Portal and Hepatic Vein Embolization (PVE/HVE) to Accelerate Future Liver Remnant (FLR) Hypertrophy.**

Korenblik R, Olij B, Aldrighetti LA, Hilal MA, Ahle M, Arslan B, van Baardewijk LJ, Baclija I, Bent C, Bertrand CL, Björnsson B, de Boer MT, de Boer SW, Bokkers RPH, Rinkes IHMB, Breitenstein S, Bruijnen RCG, Bruners P, Büchler MW, Camacho JC, Cappelli A, Carling U, Chan BKY, Chang DH, Choi J, Font JC, Crawford M, Croagh D, Cugat E, Davis R, De Boo DW, De Cobelli F, De Wispelaere JF, van Delden OM, Delle M, Detry O, Díaz-Nieto R, Dili A, Erdmann JI, Fisher O, Fondevila C, Fretland Å, Borobia FG, Gelabert A, Gérard L, Giuliani F, Gobardhan PD, Gómez F, Grünberger T,

Grünhagen DJ, Guitart J, Hagendoorn J, Heil J, Heise D, Herrero E, Hess GF, Hoffmann MH, Iezzi R, Imani F, Nguyen J, Jovine E, Kalff JC, Kazemier G, Kingham TP, Kleeff J, Kollmar O, Leclercq WKG, Ben SL, Lucidi V, MacDonald A, Madoff DC, Manekeller S, Martel G, Mehrabi A, Mehrzad H, Meijerink MR, Menon K, Metrakos P, Meyer C, Moelker A, Modi S, Montanari N, Navines J, Neumann UP, Peddu P, Primrose JN, Qu X, Raptis D, Ratti F, Ridouani F, Rogan C, Ronellenfitsch U, Ryan S, Sallemi C, Moragues JS, Sandström P, Sarriá L, Schnitzbauer A, Serenari M, Serrablo A, Smits MLJ, Sparrelid E, Spüntrup E, Stavrou GA, Sutcliffe RP  
Cardiovasc Intervent Radiol. 2022 Sep;45(9):1391-1398. doi: 10.1007/s00270-022-03176-1. Epub 2022 Jul 5.

**Metal stents are safe and cost-effective for preoperative biliary drainage in resectable pancreaticobiliary tumours**

Andrew T Roberts<sup>1</sup>, Joseph Jaya<sup>2</sup>, Phil Ha<sup>1</sup>, Udit Thakur<sup>2</sup>, Oscar Aldridge<sup>3</sup>, Charles H C Pilgrim<sup>3</sup>, Eren Tan<sup>4</sup>, Enoch Wong<sup>4</sup>, Adrian Fox<sup>4</sup>, Julian Choi<sup>5</sup>, Danny Liew<sup>6</sup>, Suong T T Le<sup>1,7</sup>, Daniel Croagh<sup>2,8</sup>  
ANZ J Surg. 2021 Sep;91(9):1841-1846.

**Evaluation of palliative treatments in unresectable pancreatic cancer.**

Choi CC, Choi J, Houli N, Smith M, Usatoff V, Lipton L, Chan S.  
ANZ J Surg. 2021 May;91(5):915-920.

**Circulating tumor DNA dynamics and recurrence risk in patients undergoing curative intent resection of colorectal cancer liver metastases: A prospective cohort study.**

Tie J, Wang Y, Cohen J, Li L, Hong W, Christie M, Wong HL, Kosmider S, Wong R, Thomson B, Choi J, Fox A, Field K, Burge M, Shannon J, Kotasek D, Tebbutt NC, Karapetis C, Underhill C, Haydon A, Schaeffer J, Ptak J, Tomasetti C, Papadopoulos N, Kinzler KW, Vogelstein B, Gibbs P.  
PLoS Med. 2021 May 3;18(5)

**Two subhepatic collections post surgical fibrillar use in laparoscopic cholecystectomies.**

Suter KJL, Beath A, Choi J.  
ANZ J Surg. 2021 Apr;91(4):E216-E217.

**An intraoperative diagnosis of sclerosing encapsulating peritonitis: a case report.**

Sivakumar J, Brown G, Galea L, Choi J.  
J Surg Case Rep. 2020 Sep 10;2020(9)

**Laparoscopic EndoClose fixation of a peritoneal catheter reduces migration.**

Rouse M, Choi J, Bakhit J, Soh B, Chan S.  
ANZ J Surg. 2020 Jan;90(1-2):72-75.

**Retrograde jejuno gastric intussusception presenting as haematemesis in a patient following pancreaticoduodenectomy.**

Moore TA, Al-Habbal Y, Choi JM.  
BMJ Case Rep. 2020 Mar 24;13(3)

**Splenic autotransplantation: a systematic review.**

Surendran A, Smith M, Houli N, Usatoff V, Spelman D, Choi J.  
ANZ J Surg. ANZ J Surg. 2020 Apr;90(4):460-466

**The Effect of Preoperative Immunonutrition on Surgical Outcomes in Patients Undergoing Resection for Pancreatic Malignancy.**

Onasanya O, Deftereos I, Choi J, Chan STF and Usatoff V. SF J Med Res. 2020; 1(2):1008.

**Pre-operative Assessment of Acute Appendicitis Severity with Reference to a Structured Intra-Operative Grading System**

*IOSR Journal of Dental and Medical Sciences, Volume 18, Issue 2 Ser. 7 (February. 2019), PP 84-88*

Jacqueline Bakhit, Julian Choi, Lucy Lu, Carolyn Chew, Anh Vu, Steven Chan

**Surgical Collaborative Research (SCoRe): a model to improve research output among surgical trainees**

ANZ J Surg. 2019 Apr;89(4):280-281 Mui M, Yeung JMC, Pitcher M, Choi J.

**Diagnostic challenges of intraabdominal schwannoma in victorian tertiary centre**

Open J Clin Med Case rep: Volume 4 (2018): Issue 6:1395

Jeong-moh John Yahng\*; J Choi

**Prospective evaluation of the Sunshine Appendicitis Grading System score.**

Reid F<sup>1,2</sup>, Choi J<sup>1,2</sup>, Williams M<sup>1,2</sup>, Chan S<sup>1,2</sup>.

ANZ J Surg. 2017 May;87(5):368-371.

**Old technique revisited with surgical innovation: complicated Mallory-Weiss tear with bleeding gastric ulcer exclusion.**

Yoshino O, Prichard PJ, Choi J

J Surg Case Rep. 2016 Jan 11; 2016(1)

**Irrigation versus suction alone during laparoscopic appendectomy; A randomized controlled equivalence trial.**

Snow HA<sup>1</sup>, Choi JM<sup>2</sup>, Cheng MW<sup>3</sup>, Chan ST<sup>2</sup>.

Int J Surg. 2016 Apr;28:91-6

**Intramural haemorrhage causing incomplete small bowel obstruction.**

Rajadurai S<sup>1</sup>, Choi J<sup>1</sup>.

ANZ J Surg. 2016 Mar;86(3):200-1

**Peroxisome proliferator-activated receptor- $\alpha$  staining is associated with worse outcome in colorectal liver metastases.**

Pang T<sup>1</sup>, Kaufman A<sup>2</sup>, Choi J<sup>3</sup>, Gill A<sup>4</sup>, Drummond M<sup>3</sup>, Hugh T<sup>1</sup>, Samra J<sup>5</sup>.

Mol Clin Oncol. 2015 Mar;3(2):308-316

**Complications following liver resection for colorectal metastases do not impact on longterm outcome.**

Pang TC<sup>1</sup>, Spiro C, Ramacciotti T, Choi J, Drummond M, Sweeney E, Samra JS, Hugh TJ. HPB (Oxford). 2015 Feb;17(2):185-93

**The clinical impact of early complete pancreatic head devascularisation during pancreatoduodenectomy.**

J.S. Gundara, F. Wang, R. Alvarado-Bachmann, N. Williams, J. Choi, S.Gananadha, A.J. Gill, T.J. Hugh, J.S. Samra.  
Am J Surg. 2013; 206:518-525

**Percutaneous pancreatic necrosectomy: a case of difficult pancreatic intubation.**

Choi JM<sup>1</sup>, Mulligan M, Hugh TJ, Gananadha S, Samra JS.  
Surg Laparosc Endosc Percutan Tech. 2012 Jun;22(3):e126-8

**Surgical treatment of giant hepatic hemangiomas: technical point of view.**

Choi J, Lee YJ, Hwang DW, Chon SH, Nagpal A, Park KM.  
Am Surg. 2011 Jan;77(1):48-54

**One hundred and seventy-eight consecutive pancreatoduodenectomies without mortality: role of the multidisciplinary approach**

Jaswinder S Samra, Raul Alvarado Bachmann, Julian Choi, Anthony Gill, Michael Neale, Vikram Puttaswamy, Cameron Bell, Ian Norton, Sarah Cho, Steven Blome, Ritchie Maher, Sivakumar Gananadha and Thomas J Hugh  
Hepatobiliary Pancreat Dis Int 2011 Aug;10(4):415-21

**Metastasis of hepatocellular carcinoma to the ovary: a case report and review of the literature**

Lee JM, Park KM, Lee SY, Choi J, Hwang DW, Lee YJ.  
Gut Liver. 2011 Dec;5(4):543-7

**Effect of necrosis modulator necrox-7 on hepatic ischemia-reperfusion injury in beagle dogs.**

Choi JM, Park KM, Kim SH, Hwang DW, Chon SH, Lee JH, Lee SY, Lee YJ.  
Transplant Proc. 2010 Nov;42(9):3414-21.

**The infracolic approach to pancreatoduodenectomy for large pancreatic head tumours invading the colon.**

Alvarado-Bachmann R, Choi J, Gananadha S, Hugh TJ, Samra JS.  
Eur J Surg Oncol. 2010 Dec;36(12):1220-4. Epub 2010 Sep 16.

**New hilar cholangiocarcinoma resection guidelines based on anatomical variations**

HPB 2010, 12 (Suppl,1), 1-468  
D. W. Hwang, J. M. Choi, S.-H. Chon, K.-M. Park and Y.-J. Lee

**The accordion grading system of surgical complications predicts outcome following resection of colorectal liver metastases. The surgeon does matter!**

C. Spiro, T. Ramacciotti, J. Choi, J. S. Samra and T. J. Hugh  
HPB 2010, 12 (Suppl,1), 1-468

**Predictive factors for recurrence and survival for resected intraductal papillary mucinous neoplasm (IPMN): impact of resection margin status**

J. Choi, D. J. Han, Y.-J. Lee, S. H. Shin, K.-M. Park, Y. H. Kim, J. Park, D. W. Hwang and S. C. Kim

HPB 2010, 12 (Suppl,1), 1-468

**Effect of novel necrosis modulator, LC28-126 on hepatic ischaemia and reperfusion injury in beagle dogs**

J. Choi<sup>1</sup>, K.-M. Park<sup>1</sup>, S.-H. Kim<sup>2</sup>, S.-H. Chon<sup>1</sup>, D. W. Hwang<sup>1</sup> and Y.-J. Lee<sup>1</sup>

HPB 2010, 12 (Suppl,1), 1-468

**Three domains of prognostic factors following resection of hepatocellular carcinoma: critical importance of surgical treatment.**

J. Choi, Y.-J. Lee, D. W. Hwang, S.-H. Chon, B. Jung and K.-M. Park.

HPB 2010, 12 (Suppl,1), 1-468

**Inadequacy of Couinaud's hepatic segmentation for right anterior sectionectomy**

J. Choi, Y.-J. Lee, D. W. Hwang, S.-H. Chon and K.-M. Park

HPB 2010, 12 (Suppl,1), 1-468

**GB cancer with jaundice: is it contraindication for surgery?**

D. W. Hwang, J. M. Choi, S. H. Chon, K.-M. Park and

Y.-J. Lee

HPB 2010, 12 (Suppl,1), 1-468

**PRESENTATIONS**

**IHPBA meeting, Buenos Aires, Argentina, April, 2010**

Three domains of prognostic factors following resection of hepatocellular carcinoma:  
Critical importance of surgical treatment

*Julian Choi MD, FRACS, Young-Joo Lee MD, PhD, Dae Wook Hwang MD, Sang-Hoon Chon, MD, Kwang-Min Park MD, PhD*

Effect of novel necrosis modulator, LC28-126 (NecroX-7) on hepatic ischaemia and reperfusion injury in Beagle dogs

*Julian M. Choi, MBBS, FRACS<sup>1</sup>, Kwang-Min Park, MD, PhD<sup>1</sup>, Dae Wook Hwang, MD<sup>1</sup>, Sang-Hoon Chon, MD<sup>1</sup>, Soon Ha Kim, PhD<sup>2</sup>, Young-Joo Lee, MD, PhD<sup>1</sup>*

Predictive factors for recurrence and survival for resected Intraductal Papillary Mucinous Neoplasm (IPMN): Impact of resection margin status

*Julian Myongho Choi, Duck Jong Han, Young-Joo Lee, Sang Hyun Shin, Kwang-Min Park, Young Hoon Kim, Jaebarm Park, Dae Wook Hwang, Song Cheol Kim*

Inadequacy of Couinaud's hepatic segmentation for right anterior sectionectomy

*Julian Choi MD, FRACS, Young-Joo Lee MD, PhD, Dae Wook Hwang MD, Sang-Hoon Chon, MD, Kwang-Min Park MD, PhD*

Chemotherapy induced liver injury and role of peroxisome proliferator-activated receptors (PPAR  $\alpha$  and  $\gamma$ ) on surgical outcomes

*Julian Choi, Jas Samra, Thomas Hugh*

### **Presentations at ASC, Perth, 2010**

Three domains of prognostic factors following resection of hepatocellular carcinoma:

Critical importance of surgical treatment

*Julian Choi MD, FRACS, Young-Joo Lee MD, PhD, Dae Wook Hwang MD, Sang-Hoon Chon, MD, Kwang-Min Park MD, PhD*

Predictive factors for recurrence and survival for resected Intraductal Papillary Mucinous Neoplasm (IPMN): Impact of resection margin status

*Julian Myongho Choi, Duck Jong Han, Young-Joo Lee, Sang Hyun Shin, Kwang-Min Park, Young Hoon Kim, Jaeberm Park, Dae Wook Hwang, Song Cheol Kim*

Chemotherapy induced liver injury and role of peroxisome proliferator-activated receptors (PPAR  $\alpha$  and  $\gamma$ ) on surgical outcomes. *Julian Choi, Jas Samra, Thomas Hugh*

### **AASLD 2010, Annual Meeting, Boston, United States**

*A Novel Class of Small Molecule Necrox-7 As A Therapeutic Candidate For The Prevention of Hepatic Ischaemia and Reperfusion Injury*

## **MANAGEMENT & QUALITY ASSURANCE ACTIVITY**

1. Committee member for GI institute, Epworth Hospital Melbourne Australia
2. Committee member for Medical Advisory Board, Epworth Hospital Melbourne Australia
3. Supervisor of SET/GSET training, Victorian Branch, RACS (Past)
4. Chair, Simulation Training Sub-committee, RACS (Past)

## **POST-GRADUATE COURSES & CONFERENCES**

ISLS – Invited Panel Member, Seoul, South Korea, March 2024

Clinical Visit, Carolinas Medical Centre, North Carolina, USA, November 2023

Clinical Visit, Asan Medical Centre, Seoul, South Korea, June 2023

KHPBA, Busan, South Korea, 2023

IHPBA, NY, USA, 2022

IHPBA, Melbourne, Australia, 2021

Clinical Visit, HPB Department, Prof. Markus Buchler, Heidelberg University, Germany 2018

IHPBA, Geneva, Switzerland, 2018

EHPBA, Mainz, Germany, 2017

Clinical Visit, UGI/ Bariatric unit, Michael Talbot, Sleeve gastrectomy, 2017  
ESLD, Barcelona, Spain, 2016  
Pancreatic Symposium Bern, Switzerland, 2015  
IHPBA 2014 Seoul, South Korea  
IHPBA 2012, Paris, France  
American College of Surgeons Meeting, San Francisco, USA, 2011  
APHPBA 2011, Melbourne, Australia, 2011 (Asia Pacific HPB Association)  
APASLD 2011, Bangkok, Thailand, 2011 (Asia Pacific Association Study of Liver Disease)  
ASC 2010, Perth, May, 2010  
IHPBA 2010, Buenos Aires, Argentina, April, 2010  
Asan Medical Center Institutional Review Board Seminar: GCP Training for investigators, Dec 11<sup>th</sup>, 2009  
Korean Surgical Society Meeting, November, Seoul, South Korea, 2009  
International Association of Surgeons and Gastroenterologists and Oncologists meeting (IASGO), Beijing, China, September, 2009  
Yonsei daVinci Live 2009, Robotic surgery seminar, July 10-11, 2009, Seoul, South Korea  
Laparoscopic Surgery Update, SNU (Bundang), May 29<sup>th</sup>-30<sup>th</sup>, Seoul, South Korea  
Korean Association of HBP Surgery, April 18<sup>th</sup>, 2009, Seoul, South Korea  
Sydney UGI Society – Gastric Cancer Workshop, Sydney, Australia, Nov 2008  
ANZHPBA Liver meeting – Coolumb, Queensland, Australia, Oct 2008  
University of Melbourne/ Austin Hospital Annual HPB Meeting –Melbourne, Aug, 2008  
RACS & HK Conjoint Scientific Meeting – Hong Kong, 2008  
IHPBA – Mumbai, India, 2008  
ANZHPB Annual Meeting – Melbourne, 2007  
RACS Annual Scientific Meeting – Christchurch, New Zealand, 2007  
RACS Annual Scientific Meeting – Sydney, Australia, 2006  
Visit to Upper GI/ HPB unit, University Hospital, the Seoul National University, South Korea, A/ Prof. Yang, 2006  
EITS (European Institute of Telesurgery), Diploma of Advanced Laparoscopic surgery – Strasbourg, France, 2006  
Laparoscopic Fundoplication workshop – RACS, Melbourne, 2005  
Update on Management of Breast Cancer, Melbourne, 2005  
Laparoscopic Suturing course – RACS, Melbourne, 2005  
RACS Annual Scientific Meeting – Melbourne, 2004  
RACS Annual Scientific Meeting – Perth, Australia, 2005  
Pancreatic Cancer Conference – Melbourne, 2004  
Minimal Access Surgery Workshop – Flinders University, South Australia, 2004  
TME Course – St Vincent's Hospital Melbourne, 2002  
Management of Severe Trauma Work Shop (RMH, Feb. 2001)  
F.A.S.T. U/S assessment of severe abdominal trauma (RMH, Oct 2001)  
The Care of the Critically Ill Surgical patient Course  
EMST (Early management of Severe Trauma)  
Basic Surgical Skills Course