6th Laparoscopic Colorectal Surgery Course & Master Class

Dates: 7th and 8th May 2014
Venue: Prince Charles Hospital, Merthyr Tydfil, Wales

Course Manual

This course is accredited by the Royal College of Surgeons of Edinburgh. Attendance in this course entitles the delegate to receive 12 CPD points.
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Welcome

Dear Delegate,

I am pleased to welcome you to the 6th Laparoscopic Colorectal Course & Masterclass at Prince Charles Hospital in Merthyr Tydfil. The course, started in 2010, is aimed at surgical trainees as well as consultants wishing to gain expertise in this field and has been very popular and very well received in previous years. Consequent upon its success, the course is now run biannually.

The course is accredited by the Royal College of Surgeons of Edinburgh and the college awards 12 CPD points for attendance.

This two day event is designed to provide plenty of exposure to live operations for a range of indications, including colorectal cancer as well as benign conditions. In addition to the live links, there will be structured lectures/presentations covering various aspects of the specialty, delivered by a faculty of experienced laparoscopic colorectal surgeons. The faculty/delegate ratio is intentionally kept high to achieve a comfortable and friendly environment with plenty of opportunity for delegates to interact with the faculty and the organizers, both in the auditorium as well as during the course dinner.

Looking forward to meeting up with you during the course, which, I hope you will find both instructive and enjoyable.

Best wishes,

Prof. P. N. Haray

Course Convenor
CORE COMMITTEE AND FACULTY

Professor P N Haray  
Consultant Colorectal Surgeon  
Course Convenor  
Prince Charles Hospital, Merthyr Tydfil

Mr Parin Shah  
Locum Consultant Colorectal Surgeon  
Chief Course Organiser  
Royal Glamorgan Hospital, Llantrisant

Mr Ashraf Masoud  
Consultant Colorectal Surgeon  
Prince Charles Hospital, Merthyr Tydfil

Mr Jegadish Mathias  
Consultant Colorectal Surgeon  
Withybush General Hospital, Haverfordwest

Mr Andrew Miles  
Consultant Colorectal Surgeon  
Royal Hampshire County Hospital, Winchester

Mr Keshav Swarnkar  
Consultant Colorectal Surgeon  
Royal Gwent Hospital, Newport

Mr T V Chandrasekharan  
Consultant Colorectal Surgeon  
Singleton Hospital, Swansea

LOCAL ORGANISERS AND HOSPITALITY

Mr Mahmoud Abdel Dayem  
Speciality Doctor in General Surgery  
Prince Charles Hospital, Merthyr Tydfil

Mr Nader Naeem Naguib  
Associate Specialist in General Surgery  
Prince Charles Hospital, Merthyr Tydfil

Mr Manjula Peiris  
Clinical Fellow in General Surgery  
Prince Charles Hospital, Merthyr Tydfil

Mr Rajesh Chidambaranath  
Clinical Fellow in General Surgery  
Prince Charles Hospital, Merthyr Tydfil

Miss Sarah Goodison  
Foundation Year Trainee in General Surgery  
Prince Charles Hospital, Merthyr Tydfil
FACULTY PROFILES

Professor P N Haray
Consultant Colorectal Surgeon, Prince Charles Hospital - since 1996
External Professor of Coloproctology, University of South Wales – since 2000
Assistant Medical Director (Education) Cwm Taf UHB – since 2013
Faculty of European Surgical Institute, Hamburg – since 2008
Preceptor for Laparoscopic colorectal Surgery – since 2008

Mr Parin Shah
Locum Consultant Surgeon, Royal Glamorgan Hospital - since 2013
Visiting Fellow, University of South Wales - since 2013
SAS Tutor for Cwm Taf Health Board - since 2012
FRCS - Royal College of Surgeons of Edinburgh 2010
M Phil, University of Glamorgan 2009

Mr Ashraf Masoud
Consultant Surgeon, Prince Charles Hospital - since 2001
Experience with laparoscopic (keyhole) surgery for bowel diseases > 5 years
Experienced in gastro-intestinal, colorectal, thyroid & general surgery
Established Day Case laparoscopic cholecystectomy at PCH – 2002
Director for Cancer Services at PCH - 2004-2008

Mr Jegadish Mathias
Consultant Colorectal Surgeon at Withybush General Hospital – since 2010
Special interests in Laparoscopic Colorectal surgery, Laparoscopic Hernia Repair and Perianal Surgery.
Higher surgical training and research in South West Thames, London

Mr Andrew Miles
Consultant colorectal surgeon & colorectal cancer lead clinician - RHCH Winchester.
Postgraduate surgical training at The Westminster Hospital
Fellowship – Adelaide, Australia
Course Director MS coloproctology UEA
Faculty member Ethicon Endosurgery Training Institute, Hamburg
Regional council member of council for ACPGBI

Mr Keshav Swarnkar
Consultant Surgeon and Lead clinician for colorectal cancer, ABUHB, Newport
Graduated from Armed Forces Medical College, Pune
FRCS (Ed), FRCS (Glas) - 1996
Higher training in Wales
FRCS(Ed) Gen Surg - 2003
Specialist interest in colorectal cancer surgery and proctology.

Mr T V Chandrasekharan
Consultant Colorectal Surgeon with special interest in IBD and Laparoscopic surgery, Morriston Hospital, Swansea
ABOUT THE HOSPITAL

Cwm Taf University Health Board

Cwm Taf Health Board was established on 1 October 2009 and consists of two District General Hospitals; Prince Charles Hospital and the Royal Glamorgan Hospital. They are responsible for the provision of health care services to over 325,000 people principally covering the Merthyr Tydfil and Rhondda Cynon Taff Local Authority areas. Cwm Taf Health Board was awarded university health board status in July 2013, officially becoming Cwm Taf University Health Board in December 2013.

Prince Charles Hospital is based in the Gurnos Estate, Merthyr Tydfil CF47 9DT. To the north of the hospital lies the beautiful Brecon Beacons National Park whilst to the south-west is the Gower Peninsula with its outstanding coastline. The capital city of Wales, Cardiff, is only 25 miles away along the dual carriageway (A470) South to North Wales trunk road.

The Royal Glamorgan Hospital is based in Llantrisant, Rhondda Cynon Taff CF72 8XR. It is located in a semi-rural area, just 3 miles from the M4 and only 13 miles from the city of Cardiff. The hospital is within easy access to Bristol, Bridgend, Swansea and the whole of South Wales. The hospital is cushioned by areas of outstanding beauty: the Glamorgan Heritage Coast, the Gower, Rhondda Heritage Park and the Brecon Beacons National Park are all within short driving distance.

Cwm Taf Health Board is committed to the development of Medical Education programmes that are dynamic, interactive and adequately prepare our undergraduates, junior medical staff for their present/future roles and personal career development. We not only ensure we offer the complete curriculum for undergraduate students, foundation, core and specialty trainees; we also ensure we offer a wide range of clinical skills & related topics combined with support and funding for other relevant courses for appropriate staff.

The recently refurbished Medical Education and Training Centres consist of classrooms and lecture theatres all fully equipped with a wide range of state of the art audio-visual facilities. A new Theatre-Video link has also been installed allowing for interesting operations to be shown ‘live’ to an audience in the Lecture Theatre which has greatly enhanced teaching sessions.

The Resuscitation & Clinical Skills department have developed a full range of clinical skills training programmes which have local, national, European and International accreditation. There are dedicated fully equipped high fidelity simulation suites at both sites, enabling the delivery of an extremely wide range of skills for the majority of undergraduate and postgraduate training requirements.
Day 1

8.30 – 8.45  Coffee & Registration
8.45 – 8.50  Welcome & Introduction to the Course
8.50 – 9.10  Current evidence for Laparoscopic Surgery in Colorectal Cancer
9.10 – 9.20  Case Presentation of 1st live link case

**Laparoscopic High Anterior Resection**

*Live link to Operation Theatre*

Presentations by Moderators:
- Relevant anatomy
- Port Positioning
- The Stepwise Approach to Anterior Resection
  (Videos/ discussion around specific steps)

12.30 –13.15 Lunch

13.15 – 13.25  Case Presentation of 2nd live link case

**Laparoscopic Right Hemicolecotomy**

*Live link to Operation Theatre*

Presentations by Moderators:
- Theatre Set Up
- Relevant anatomy
- Port Positioning
- The Stepwise Approach to Right Hemicolecotomy
  (Videos/ discussion around specific steps)

15.30 – 15.45 Coffee

15.45 – 16.00  Anaesthetic and Peri-Operative considerations
16.00 – 17.00  Presentations/ video lectures by various faculty

19.00 Course Dinner at the Ty Newydd Country House Hotel
## Programme

### 8.30 – 8.45
**Coffee**

### 8.45 – 9.00
**Case Presentation of 3rd live link case**

*Laparoscopic Low Anterior Resection/pelvic dissection*

*Live link to Operation Theatre*

Presentations by Moderators:
- Flexure mobilisation
- Left hemicolecotomy
  (Videos/ discussion around specific steps)

### 12.30 –13.15 **Lunch**

- Pouch Surgery video presentation
- Laparoscopic Hemicolecotomy

### 13:45 – 14:30
Presentations/ video lectures by various faculty

Tips, Tricks and Potential Hazards
(Videos and Discussion)

Formal Feedback
Education Centre Manager + IT

**Coffee**
Certification and Close

*Live operating will be carried out by the PCH colorectal team.*

*During Live Link – the moderators will give PowerPoint presentations/ video presentations on different aspects of laparoscopic colorectal surgery.*
Selected Reading Material and Relevant Publications
Steps for Laparoscopic Anterior Resection of Rectum

1. Port positions and patient positioning
2. Omentum to supracolic compartment & small bowel stacking.
3. Identify right ureter.
4. Start medial dissection at the promontory.
5. Identify left ureter, then left gonadal, pelvic nerves.
6. Protect left ureter with surgicel® and Pedicle dissection.
7. Identify ureter through both windows of mesentery either side of pedicle.
8. Transect pedicle, confirm haemostasis.
9. Left lateral dissection, identify left ureter and proceed up to peritoneal reflection; IMV high tie and splenic flexure mobilisation, if required.
10. Mesorectal Dissection - Prepare Rectum for Division
   10.a. Right mesorectal dissection up to peritoneal reflection.
   10.b. Posterior dissection (presacral plane down to levator), keep left ureter in view.
   10.c. Divide peritoneal reflection anteriorly and dissect till seminal vesicles/ vaginal fornix.
   10.d. Complete both lateral dissection, identify the ureters all the way.
   10.e. Anterior dissection keeping to the plane just posterior to the vesicles/ vagina
   10.f. Cross stapling deep pelvis
   10.g. Laparoscopic APER
11. Intra-corporeal cross stapling of rectum at appropriate level protecting lateral and anterior structures & Grasp stapled end of specimen.
12. Left iliac fossa transverse incision for specimen delivery; protect wound and deliver specimen by the stapled end.
13. Complete mesenteric ligation, proximal bowel division and prepare proximal bowel for anastomosis.
14. Close wound, re-establish pneumoperitoneum
15. Intra-corporeal bowel anastomosis with no tension, no twist and vital structures protected.
Steps for Laparoscopic Right Hemicolecction

1. Port positions and patient positioning.
2. Omentum to the supracolic compartment and small bowel stacking.
3. Identify ileocolic pedicle.
4. Start dissection at the lower leaf of ileocolic pedicle.
5. Identify duodenum through mesenteric window.
6. Protect duodenum with surgicel®.
7. Dissect upper leaf of ileocolic pedicle.
8. Identify duodenum through both mesenteric windows.
10. Mobilise right colon & hepatic flexure from medial to lateral aspect. Protect Duodenum with surgicel®.
11. Start lateral mobilisation at distal ileum, then caecum and then ascending colon.
12. Mobilise hepatic flexure & confirm full mobilisation of the segment to be resected
13. Free up proximal transverse colon towards hepatic flexure protecting gallbladder & duodenum.
14. Free up omentum from transverse colon at planned site of resection.
15. Midline transumbilical incision for specimen delivery.
16. Protect wound, deliver specimen, complete mesenteric ligation.
17. Side to side ileo-transverse anastomosis and specimen resection.
18. Close incisions.
The Merthyr Coaching Tool for Laparoscopic Colorectal Surgery

Mr. P. R. Shah, Professor P. N. Haray

Abstract:
Laparoscopic surgery is being increasingly offered to patients across the world for benign and malignant colorectal disease. National Training programmes are being developed in some countries to improve standards and train surgeons. Meanwhile, many surgeons have been and continue to be trained thorough a variety of mechanisms. Currently there appear to be no publications in the international literature suggesting a standard format for the provision of such training. We present here a coaching tool that we have developed and used effectively to provide targeted training for laparoscopic colorectal surgery.

Introduction:
Laparoscopic surgery for colorectal disease is becoming increasingly used across the world following the publication of the results from the CLASICC trial as well as NICE guidance (1, 2). In the UK, more and more surgeons are beginning to be trained through a variety of channels to undertake these procedures. National training programmes are being set up in some countries and it is envisaged that training will be imparted through regional centres (3). In addition, there are a considerable number of experienced surgeons providing training informally as well as formally through structured preceptorship programmes (3, 4). There is, therefore, an urgent need for a standard format for the provision of this training.

Aim:
To develop a coaching and assessment tool to aid the provision of training in laparascopic colorectal surgery.

Methods:
We have been undertaking laparoscopic colorectal surgery at our Hospital since 1998 (5). Our initial experience was with benign disease and participation in the CLASICC trial. Since 2006, our range of laparoscopic procedures has expanded to include the majority of elective colorectal surgery for both benign and malignant pathology. The unit has been training Middle grade and consultant surgeons (preceptorship) and to support this training, we have developed a simple tool which we have used very effectively to provide targeted training for laparoscopic colorectal surgery. Various factors used to assess a trainee are case selection, safe access, exposure, port positioning, patient positioning, small bowel stacking, use of retraction, awareness, identification & protection of vital structures, safe vascular pedicle dissection & division, various aspect of bowel handling & mobilisation, bowel division & anastomosis, use of energy devices, extra-corporeal component, team Working & communication. To support this training, we have developed a simple tool (appendix I), which we have used very effectively over the past 3 years.

Results:
This tool has been used initially in self assessment by the two authors over 225 cases. Subsequently, it has been used on 8 trainees of varying levels of experience and 11 consultant colorectal surgeons over a total of 66 cases to assess the performance as well as provide targeted feedback.
The Merthyr Coaching Tool for Laparoscopic Colorectal Surgery

Discussion:
Unlike laparoscopic cholecystectomy, the laparoscopic colorectal operation has a higher level of complexity because of several factors including multiple quadrant working, several intra-corporeal instruments (some of which will be out of the field of vision), care during bowel handling, the use of high energy devices for dissection and a rapidly expanding range of instrumentation etc (6). Furthermore, the majority of such procedures involve resections for malignancy and it is imperative that good technique and adherence to oncological principles are adopted.

Laparoscopic surgery lends itself very well for a structured approach to training because of the fact that the trainee and the trainer have the same view of the procedure and the trainer can be actively involved without even being scrubbed in as an assistant. Like all surgical procedures, the laparoscopic colorectal operation can be conveniently broken down into individual components and training imparted either for the entire procedure or for specific sections, depending on the expertise of the trainee.

The tool that we have developed (Appendix 1) has been invaluable as a coaching aid in identifying specific areas for targeted training and for providing constructive feedback. It has also been an effective tool for self assessment. There are several publications outlining different ways of assessing and evaluating laparoscopic cholecystectomies. Some of these have detailed weighted scoring systems which have been carefully developed (7, 8) and have been found to be useful mainly in trainees (9). However, because of the complexity of laparoscopic colorectal procedures and the fact that the majority of surgeons being trained in this technique are likely to be either consultants or senior trainees, we feel that such an approach with a graduated scoring system would not be suitable. We have therefore, deliberately adopted a simpler approach and each step that is assessed is marked simply as either ‘needing improvement’ or ‘competent’. We have used this effectively as a coaching tool in over 225 cases for self assessment, for surgeons in training as well as for consultants who are being preceptored.

Conclusion:
This paper has demonstrated an easily reproducible tool for standardising the assessment and providing feedback for laparoscopic colorectal surgery. Preliminary results have been encouraging though formal validation has yet to be completed. In due course, this tool can be developed into a weighted scoring system for accreditation and revalidation.
The Merthyr Coaching Tool for Laparoscopic Colorectal Surgery

References


# Appendix I: Coaching Tool for Laparoscopic Colorectal Surgery

<table>
<thead>
<tr>
<th>Date:</th>
<th>Procedure:</th>
<th>Trainee:</th>
<th>Trainer:</th>
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<tbody>
<tr>
<td>1.</td>
<td>Case Selection</td>
<td>N/A</td>
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<tr>
<td>2.</td>
<td>Safe Access</td>
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<td>Needs Improvement</td>
</tr>
<tr>
<td>3.</td>
<td>Exposure</td>
<td>Port positioning</td>
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<tr>
<td></td>
<td></td>
<td>Patient positioning</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Small bowel stacking</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Use of retraction</td>
<td>N/A</td>
</tr>
<tr>
<td>4.</td>
<td>Vital Structures</td>
<td>Awareness of ……….</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Identification of ……</td>
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<tr>
<td></td>
<td></td>
<td>Protection of ……….</td>
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<tr>
<td>5.</td>
<td>Vascular Pedicle</td>
<td>Dissection of vascular pedicle</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Division of vascular pedicle</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Protection of vital structures</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Selection of appropriate instruments</td>
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</tr>
<tr>
<td>6.</td>
<td>Bowel Mobilisation</td>
<td>Bowel handling</td>
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<td></td>
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<td>Handling of pathology</td>
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<tr>
<td></td>
<td></td>
<td>Medial dissection</td>
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<tr>
<td></td>
<td></td>
<td>Lateral dissection</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Superior dissection</td>
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<tr>
<td></td>
<td></td>
<td>Combination…..</td>
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<td>7.</td>
<td>Bowel Division – Intra-Corporeal/ Extra-Corporeal</td>
<td>Appropriate instrumentation</td>
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<td>Dissection of mesentery</td>
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<td></td>
<td></td>
<td>Protection of vital structures</td>
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<tr>
<td></td>
<td></td>
<td>Division of bowel</td>
<td>N/A</td>
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<td>8.</td>
<td>Anastomosis – Intra-Corporeal/ Extra-Corporeal</td>
<td>Technique</td>
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<td></td>
<td></td>
<td>Instrumentation</td>
<td>N/A</td>
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<tr>
<td>9.</td>
<td>Use of Energy devices</td>
<td>Appropriate settings</td>
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<td></td>
<td></td>
<td>Spatial awareness of instruments</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Awareness of residual energy</td>
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<tr>
<td>10.</td>
<td>Extra- corporeal component</td>
<td>N/A</td>
<td>Needs Improvement</td>
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<tr>
<td>11.</td>
<td>Team Working &amp; Communication</td>
<td>N/A</td>
<td>Needs Improvement</td>
</tr>
<tr>
<td>12.</td>
<td>Overall Performance</td>
<td>N/A</td>
<td>Needs Improvement</td>
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</table>
Preceptorship Programme for Laparoscopic Colorectal Surgery

Prof. Haray has established a structured programme to train other consultant surgeons in Wales since May 2008. This includes demonstration 'Master Classes' to consultant surgeons and their teams at Prince Charles Hospital and then visiting them at their base hospitals to provide onsite (outreach preceptorship) training. Though often challenging, this has proved an excellent programme, imparting advanced surgical skills to senior colleagues.

To date, this service has facilitated either the commencement of a laparoscopic service for colorectal cancers or extended existing levels of service at a total of seven hospitals across South and West Wales. Eleven Consultants have been trained across these hospitals and several more have attended Masterclasses. 2/3 consultants are currently still in the programme and 2 more have expressed an interest in joining soon.

Structured Preceptorship Programme for Consultant Surgeons:
1. Mr. A. Masoud Consultant Colorectal Surgeon, Prince Charles Hospital, Merthyr Tydfil - January to June 2008.
5. Mr. C. Arun - Consultant Colorectal Surgeon, Nevill Hall Hospital, Abergavenny – Jan - October 2009.
6. Mr. W. Sheridan, Consultant Colorectal Surgeon, West Wales General Hospital, Carmarthen – November 2009
10. Mr. A. Saklani, Locum Consultant Colorectal Surgeon, Princess of Wales Hospital, Bridgend – November 2010
11. Mr. G. Pritchard, Consultant Colorectal Surgeon, Princess of Wales Hospital, Bridgend – December 2010
12. Mr. S. Harries, Consultant Surgeon, West Wales General Hospital Carmarthen – February 2010 – Masterclass only.
13. Mr. M. Henwood, Consultant Surgeon, West Wales General Hospital Carmarthen – February 2010 – Masterclass only.
14. Mr O. Nur, Locum Consultant Surgeon, Withybush Hospital, Haverfordwest – Masterclass completed – To be booked
15. Ms D. Clements, Consultant Colorectal Surgeon, Royal Glamorgan Hospital, Llantrisant – To be booked
16. Mr A. Selvam, Consultant Surgeon, West Wales General Hospital Carmarthen

The entire programme has been funded through educational grants from Johnson & Johnson (Ethicon Endosurgery®) Ltd.
Laparoscopic Colorectal Surgery Training and Research
- PCH contributions (some examples)

Contributions of Prince Charles Hospital, Merthyr Tydfil

Faculty Member/ Course Convenor:

- European Surgical Institute – Hamburg, Laparoscopic Colorectal Training Course: Prof Haray has been on the faculty since 2008
- Prof Haray is a registered preceptor for Laparoscopic Colorectal Surgery, ALS and Ethicon Endosurgery® Ltd
- Laparoscopic Colorectal Surgery Course and Masterclass, PCH–Convenor-annual since 2010
- Laparoscopic Left Side Resection Course–Wales Deanery
- Association of Laparoscopic surgeons of Great Britain and Ireland, Annual Meeting in Cardiff – November 2011 – faculty for laparoscopic colorectal surgery workshop
- Several Masterclasses at Prince Charles Hospital for consultant surgeons; many live-linked demonstrations to Surgical Registrars, Junior Doctors, Medical & Nursing students etc.
- Minimal Invasive Course for surgical care practitioners – Convenor – 2010, due again in 2012
- Colorectal Cancer Course–Nurses & Jr Doctors, PCH- Convenor-2010, due again Oct 2011
- Faculty at various international conferences - India and Ghana 2003 – 2011
- Teaching Day for Surgical and Gastroenterology SpRs – Convenor (several 2005-2011)

Laparoscopic Colorectal Surgery teaching DVD

A highly specialized teaching aid has been developed by Prof Haray and his team at PCH in the form of an interactive training DVD. This has been designed to assist senior trainees or established consultants wishing to undertake laparoscopic colorectal surgery. Colorectal resections have been broken down into modules offering the option of either watching the procedure in its entirety or of selecting individual 'steps' to view. Many of the steps have additional video clips highlighting challenges/ potential hazards/ technical tips/ alternative approaches etc. A PDF button provides access to a printable summary of the steps.

Other Training/ Teaching Audio-visual Aids

- Anaesthetic techniques in Laparoscopic Colorectal Surgery – Spinal opioid & TAP blocks Film for anaesthetic education.
- Laparoscopic Abdomino-Perineal Excision of the Rectum Film for nurse education.
- Training the Trainer in Laparoscopic Colorectal Surgery Film aimed at helping consultants become good trainers. In progress.
Publications (examples)

PEER REVIEW REFERENCED PUBLICATIONS (Laparoscopic Colorectal Surgery only)

**ORIGINAL ARTICLES**

**A Tool-kit for the Quantitative Assessment of Proficiency in Laparoscopic Colorectal Surgery**
P R Shah, P N Haray

**A Unique Approach To Quantifying The Changing Workload And Case Mix In Laparoscopic Colorectal Surgery**
P R Shah, V Gupta, P N Haray,

**Laparoscopic Colorectal Surgery: Learning Curve and Training Implications**
P R Shah, A Joseph, P N Haray
Postgraduate Medical Journal, 2005; 81: 537 – 540

**Adhesive Intestinal Obstruction In Laparoscopic Versus Open Colorectal Resection**
A P Saklani, N Naguib, P R Shah, P Mekhail, S Winstanley and A G Masoud
Colorectal disease, 2012 accepted

**Short-term outcomes of Laparoscopic colorectal resection in patients with previous abdominal operations**
N Naguib, A Saklani, P R Shah, P Mekhail, M Alsheikh, M abdelDayem, A G Masoud
Journal of Laparoendoscopic & Advanced Surgical Techniques, 2012 - accepted

**Laparoscopic Colorectal Surgery in Great Britain and Ireland – Where Are We Now?**
G Harinath, P R Shah, P N Haray, M E Foster
Colorectal Disease, 2005; 7, 86 – 89.

**Preceptorship In Laparoscopic Colorectal Surgery**

**The Merthyr Coaching tool for Laparoscopic Colorectal Surgery**
P R Shah, P N Haray - submitted

**CASE REPORTS**

**Laparoscopic drainage of retroperitoneal abscess secondary to pyogenic sacroiliitis**
D Chan, A Saklani, P R Shah, P N Haray
Publications (examples)

TECHNICAL TIPS

Trans-anal division of the ano rectal junction followed by Laparoscopic low anterior resection and colo-anal pouch anastomosis, a technique facilitated by a balloon port
A Saklani, P R Shah, N Naguib, N Tanner, P Mekhail, A Masoud

Port Site Closure in Laparoscopic Colorectal Surgery

Use of uterine manipulator in laparoscopic colorectal surgery

ABSTRACT PUBLICATIONS

The Unique Tool-kit for Quantitative Proficiency Assessment in Laparoscopic
P R Shah, P N Haray, Colorectal Disease, 2011; 13(s4): 31

Quantifying The Changing Workload And Case Mix In Laparoscopic Colorectal
P R Shah, V Gupta, P N Haray, Colorectal Disease, 2011; 13(s4): 31

Laparoscopic Rectal Excision Made Easy: A stepwise Approach – Video Presentation
P R Shah, P N Haray, Surgical Endoscopy, 2011; 25(s1): S167

Laparoscopic Restorative Proctocolectomy With Ileal Pouch Anal Anastomosis
P R Shah, A Saklani, K Thippeswamy, D Chan, P N Haray, Surgical Endoscopy, 2011; 25(s1): S167

Perineo-abdomino-perineal excision for low rectal cancers. A new technique in selected cases
P R Shah, A Saklani, N Naguib, K Thippeswamy, A Masoud, Surgical endoscopy, 2010; 24(S1): S190

Complex Colorectal Operations are Feasible Laparoscopically
P R Shah, J Cowland, V Gupta, P N Haray, Colorectal disease, 2009; 11(s2): 38

Developing Parameters for Assessing Proficiency in Laparoscopic Colorectal Surgery
P R Shah, J Cowland, V Gupta, P N Haray, Colorectal disease, 2009; 11(s2): 39

Learning Curve in Laparoscopic Colorectal Surgery – Single Surgeon Experience
P R Shah, J Cowland, V Gupta, P N Haray, Colorectal Disease, 2009; 11(s1): 24

Training in Laparoscopic Colorectal Surgery – Potential Problems
P R Shah, A Joseph, P N Haray, Colorectal Disease, 2004; 6(s2): 23

Laparoscopic Colorectal Surgery – Is All The Effort Worthwhile?
P R Shah, A Joseph, P N Haray, Colorectal Disease, 2004; 6(s2): 23
Publications (examples)

A Survey of Laparoscopic Colorectal surgery in the UK and Ireland
P R Shah, G Harinath, P N Haray, M E Foster, Colorectal Disease, 2004; 6(s2): 23

Patience, Not Just Patients In Laparoscopic Colorectal Surgery: An Extended Learning Curve
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Ty Newydd Country Hotel

Penderyn Road, Hirwaun, Aberdare, Mid Glamorgan, CF44 9SX

Tel: 01685 813433   Fax: 01685 813139

Email: relax@tynewyddcountryhotel.co.uk
Website: www.tynewyddcountryhotel.co.uk

Driving directions to Penderyn CF44 9SX, UK

Starting from Merthyr Tydfil, CF47 9DT, UK
1. Head south 194 ft
2. Turn right toward Gurnos Rd 125 ft
3. Turn left toward Gurnos Rd 131 ft
4. At the roundabout, take the 1st exit onto Gurnos Rd 0.2 mi
5. Turn right to stay on Gurnos Rd 0.2 mi
6. At the roundabout, take the 1st exit and stay on Gurnos Rd 0.3 mi
7. Turn right onto Brecon Rd/A4054
   Continue to follow A4054
   Go through 1 roundabout about 0.5 mi
8. Turn right onto Lower Vaynor Rd 0.2 mi
9. Turn left onto Heads of the Valleys Rd/A465
   Continue to follow A465
   Go through 3 roundabouts about 5.9 mi
10. At the roundabout, take the 3rd exit onto A4059 0.9 mi
11. Turn left 377 ft
12. Turn left
   Destination will be on the left 0.2 mi
Reach Penderyn, CF44 9SX, UK

Ty Newydd Country Hotel offers tranquility, comfort, excellent food and some of the most beautiful scenery in Wales right at their doorstep. The hotel has a fantastic restaurant, log fires, welcoming bar and lovely gardens with magnificent view of the Beacons and Neath Valley.

Map and Directions:
From the A465 Heads of the Valleys road turn North onto the A4059 at Hirwaun; about half a mile from the junction the signs to the Ty Newydd Country Hotel will be seen on the left hand side.
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The Royal College of Surgeons of Edinburgh provides 12 CPD points for attendance at this event.

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6th Laparoscopic Colorectal Surgery Course & Master Class

Dates: 7th and 8th May 2014
Venue: Prince Charles Hospital, Merthyr Tydfil, Wales

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