



24th BELGIAN SURGICAL WEEK

Surgical Preconditioning of Patient and Surgeon.
- "A Fit Surgeon for a Fit Patient" -

The Road to the European Board Surgical Qualification : *HPB SURGERY*



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Disclosure Statement of Financial Interest

Nothing to Disclosure

The Road to the European Board Surgical Qualification in HPB Surgery From Education to Specialization

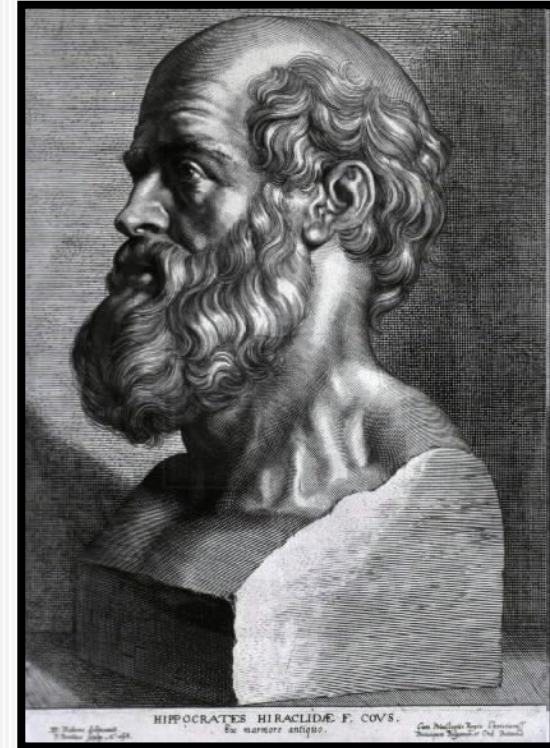
Agenda

- UEMS Division HPB Surgery
- What is HPB surgery ?
- How to learn HPB surgery ?
- Role of Mentorship
- HPB fellowship Structure
- Final Considerations

Specialized Training

Hippocrates Oath (400 BC)

- Physicians must **never practice surgery**
- Surgical procedures must be performed by **specialists**



Specialized Training in Europe



UNION EUROPÉENNE DES MÉDECINS SPÉCIALISTES
EUROPEAN UNION OF MEDICAL SPECIALISTS

- ✓ 1958 Foundation 1 y after Treaty of Rome
- ✓ 1962 Specialist Sections
- ✓ 1975 EC Advisory Committee on Medical Training (ACMT)
- ✓ **90 's European „Boards“**
- ✓ 1996 Vascular Surgery
- ✓ 1998 Coloproctology
- ✓ 1999 Trauma / thoracic surgery

Specialized Training in Europe

UEMS – State Members

- Austria
- Belgium
- Cyprus
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Iceland
- Ireland
- Italy
- Latvia
- Luxembourg
- Malta
- The Netherlands
- Norway
- Poland
- Portugal
- Slovakia
- Slovenia
- Spain
- Sweden
- Switzerland
- United Kingdom
- Azerbaijan
- Bulgaria
- Croatia
- Romania
- Turkey
- Israel (obs.)

Specialized Training in Europe



UNION EUROPÉENNE DES MÉDECINS SPÉCIALISTES
EUROPEAN UNION OF MEDICAL SPECIALISTS
Section of Surgery & European Board of Surgery

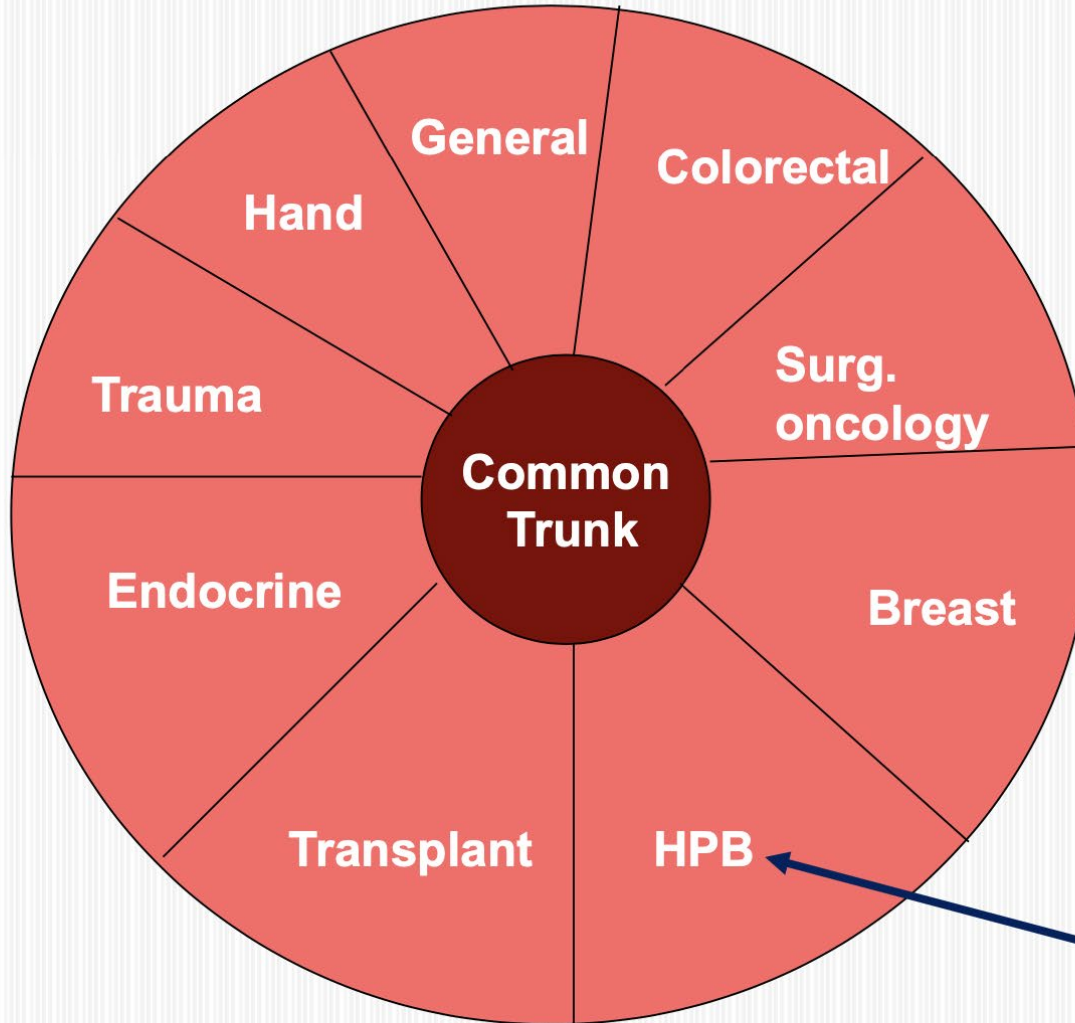
- **Surgical training (harmonisation)**
- **Standard of Certificate of Completion of Specialist Training (CCTS)**
- **Continuous Medical Education in Surgery**
- **Surgical quality control**
- **Defend the interest of Professional Development in Europe**

European Board of Surgery - Statute



- **European Board of Surgery Qualification“ (EBSQ)**
- **Standards for Training (Grapefruit concept)**
- **Standards for CME (EACCME)**
- **Criteria for Training Centers**
- **Facilitate exchange of Surgical Trainees!**

The Grapefruit Concept - UEMS



UEMS Division HPB Surgery



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Section of Surgery & European Board of Surgery

Heads of the Division of HPB Surgery

Alejandro Serrablo



Michelle De Oliveira



Andreas Schnitzbauer



Frederik Berrevoet



Chair of the UEMS HPB Examination Board : M de Oliveira

European Board of Surgery - HPB



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EUROPEAN UNION OF MEDICAL SPECIALISTS
Section of Surgery & European Board of Surgery

- Licence to perform surgery in UEMS country
- 2 y training in HPB Surgery in UEMS country
- Logbook
- At least 1 publication in peer reviewed journal (First or last author)
- At least 20 credit points for post-graduate training

Steps: Eligibility + Examination (Written + Oral)

European Board of Surgery - HPB



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HPB cases loaded by:

- Fellow as First Surgeon
- Fellow as First Assistant



European Board of Surgery - HPB



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Procedures are counted by the principle one patient- one procedure

At least 50 major HPB procedures should have been performed personally including :

PROCEDURE	FIRST SURGEON	ASSISTED
• Minor liver resection (<3 segments)	10	20
• Major liver resection	10	10
• Biliary surgery (resection,/reconstruction)	10	0
• Spleen	3	0
• Pancreatic resection	10	10
• Pancreatic drainage procedure	10	10
• Liver transplantation	0	5
• Multiorgan procurement	0	5
• Intraoperative ultrasound	25	0
• Tumour ablation techniques	5	5
• Laparoscopic procedure on liver/pancreas	0	5
• Multidisciplinary oncological staff (cases presented)	20	0



The easiest way to log medical skills and assess professional development

FOR MEDICAL PROFESSIONALS & ACADEMICS

KEY FEATURES

- Quick and easy to use
- Secured and daily back-up
- Log data even when you're offline
- Track and assess your trainees
- Record spoken feedback with our mobile app
- Export reports
- Full control over your own data
- International standards

The screenshot displays the Medbook Logbook interface. At the top, there are navigation tabs for Training, Logbook, Assessment, Portfolio, and Profile. The main section is titled 'Logbook' and has three sub-tabs: CHRONOLOGICAL, CUMULATIVE, and DOWNLOADS. Below this is a table with columns for DESCRIPTION, DATE, and two columns for ratings (1 and 2). The table lists several medical procedures, including 'Distal subtotal pancreatectomy - Distal pancreatic tail resection', 'Operation on liver - Trial dissection of liver mass', 'Operation on liver - Incision and exploration of liver', 'Operation on pancreas - Percutaneous pancreatogram', 'Cholecystectomy - Excision of lesion of gallbladder', 'Anastomosis of common bile duct - Cholecystectomy', 'Operation on biliary tract - Repair of cholecystectomy', and 'Liver excision - Wedge biopsy of liver'. A mobile app interface is overlaid on the right side, showing an 'Evaluation' screen for a specific procedure: 'Operation on liver - Trial dissection of liver mass' on '13 Jun 2018'. The app interface includes a progress bar with five steps, an audio recording player, and a 'Recording saved' button.

IHPBA Case Log Tool
New member benefit for members in confirmed IHPB fellowships.

	1	2	3	4	K=onco
1. HPB - Biliary					
Bile duct - Resection					
CBD resection w/ extrahepatic hepaticojejunostomy	1			1	2
Gallbladder					
Cholecystectomy with cholangiogram				1	
Cholecystectomy w/o cholangiogram		15	16	48	
Gallbladder Cancer					
GB w/ liver resection (4B-5) w/o biliary recon (if biliary recon, use bile duct + liver codes)				1	1
Andere					
hepaticojejunostomy			8	5	11
Gesamt	1	15	24	56	14
2. HPB - Liver					
Cyst/abscess unroofing (non-parasitic and parasitic)			2	1	
Hepatic resection: Left hepatectomy					
With Hilar Dissection	1	1	1	4	7
Without Hilar Dissection	3	1	2	3	8
Hepatic resection: Left Lat Sectionectomy (seg 2&3)	1	2		3	5
Hepatic resection: Left trisectionectomy-includes seg 5/8	1	2	2		5
Hepatic resection: Resection of < 2 segments					
Including segments 1, 7,8, or 4A (specify seg in comment)	2	2	4	7	13
NOT including segments 1,7,8, or 4A (specify seg in comment)	10	1	6	10	26
Hepatic resection: Resection of >= 2 segments					
Including segments 1, 7,8, or 4A (specify segs in comment)	6	5	4	3	13
NOT including segments 1,7,8, or 4A (specify segs in comment)	1	3	1	3	6
Hepatic resection: Right hepatectomy					
With Hilar Dissection	3				3
Without Hilar Dissection	5	3	3	3	14
Hepatic resection: Right trisectionectomy-includes seg 4a/b	1				1
Andere					
ALPPS Step 1	1				1
Gesamt	35	20	25	37	102

- **Level 1: Show and tell**

- Attending Role:

- Performs the key portions of the case.
 - Narrates the case.

- Resident Role:

- Observes and first assists.

- **Level 2: Active Help**

- Attending Role:

- Coaches regarding next steps.

- Resident Role:

- Shifts between surgeon and first assistant.

- **Level 3: Passive Help**

- Attending Role:

- Follows the lead of the resident.

- Resident Role:

- Primarily performs the surgery.
 - Recognizes critical portions.

- **Level 4: Supervision Only**

- Attending Role:

- Primarily first assist and provides no unsolicited advice.

- Resident Role:

- Performs the key portions.
 - Can recover errors.
 - Knows when to seek help.

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What is HPB Surgery?

Late 1800's

- **Carl Langenbuch (1888)**

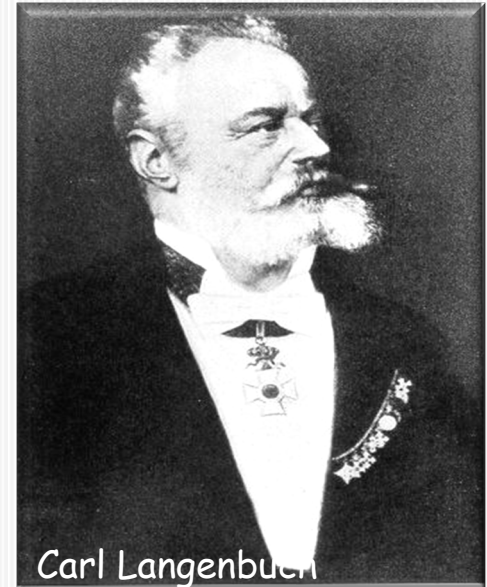
1st cholecystectomy, 1st liver resection

- **Lucke (1891)**

1st successful liver tumor resection

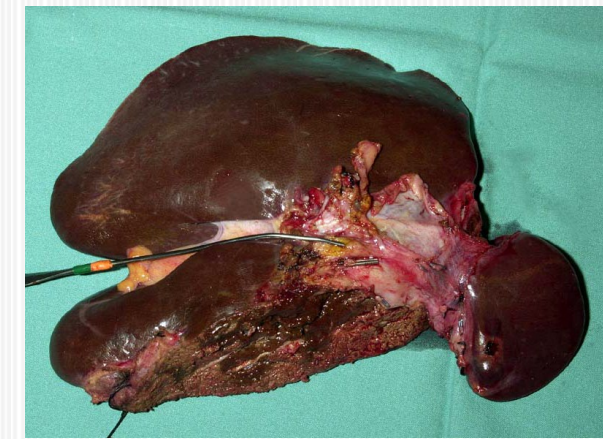
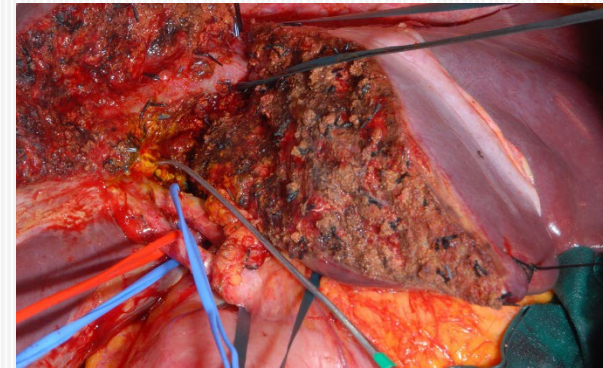
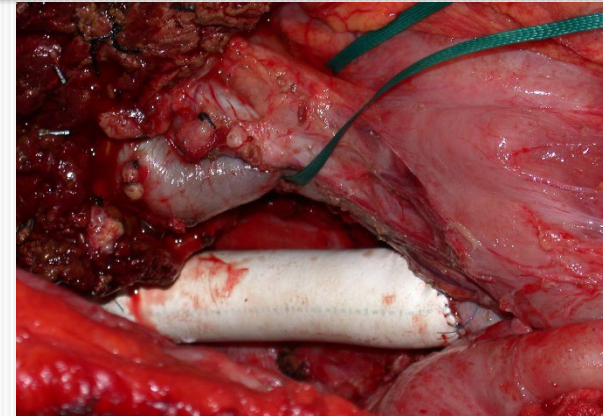
- **Keen (1899)**

1st “left lateral” hepatectomy



What is Hepatopacreatobiliary (HPB) Surgery?

- **Complex**
 - Technically challenging
 - Learning curve
- **Expertise in perioperative management**
- **Multi-disciplinary**
- **± Liver Transplantation**
- **High volume**
 - Improved outcomes



What is “Formal Training”?

*What is the Road
To Specialization ?*



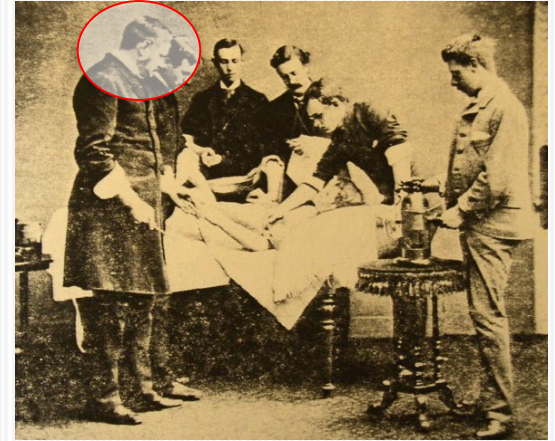
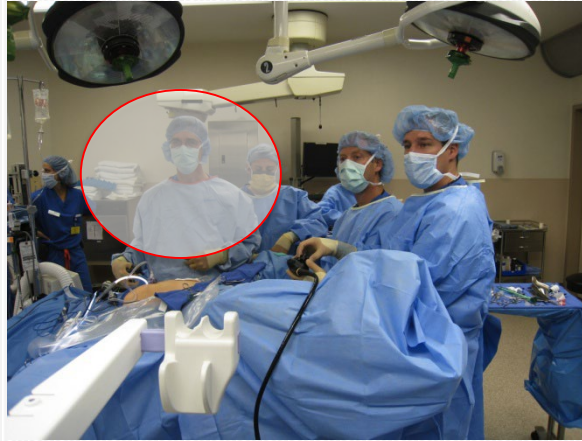
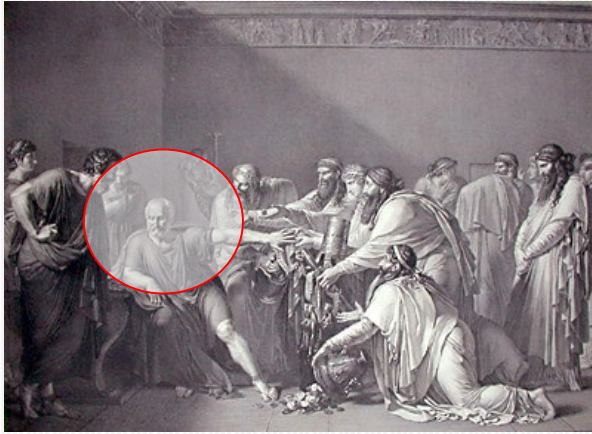
How to Learn HPB Surgery?

Obstacles

- Reduced working time
- Training reforms
- Learning curve
- Low volume
- Ce
- Pa (legal issues)
- Costs of training (who pays the fellows?)

But what is the “cost” of
NO or POOR training?

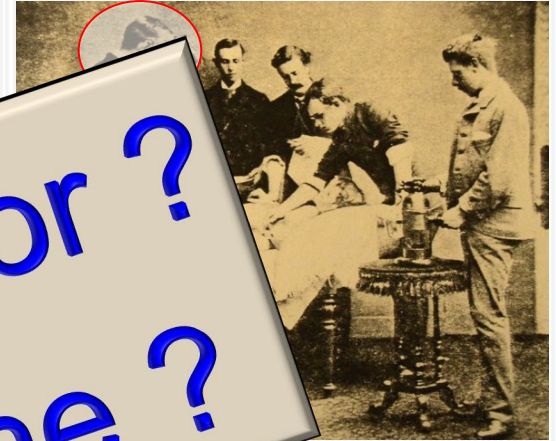
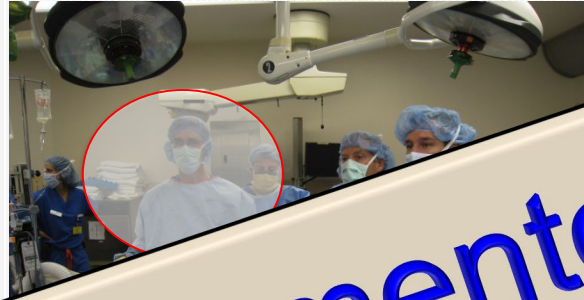
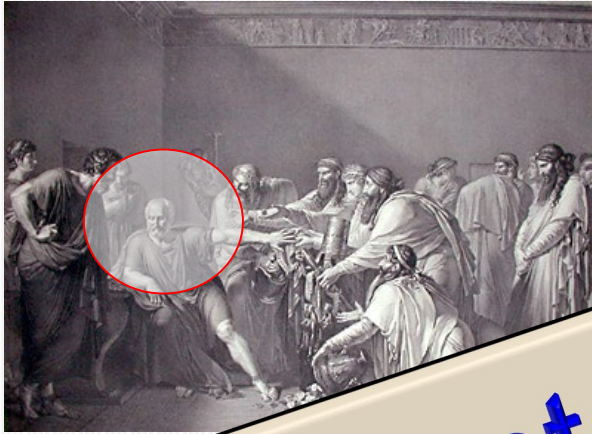
How to Learn HPB Surgery?



What is common in these pictures?



How to Learn HPB Surgery?



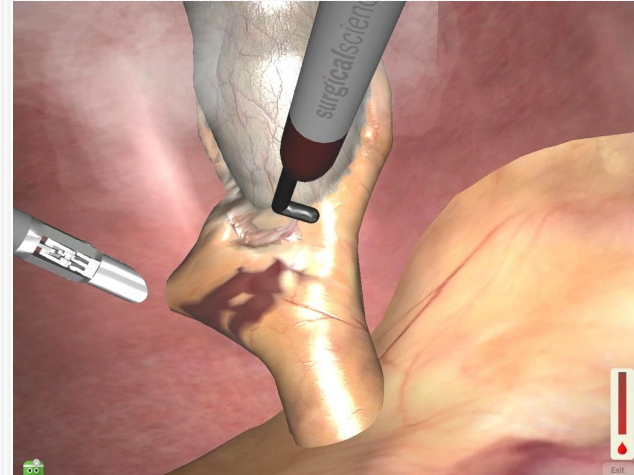
What is a mentor?
How to find one?

Mentor

How to Learn HPB Surgery?

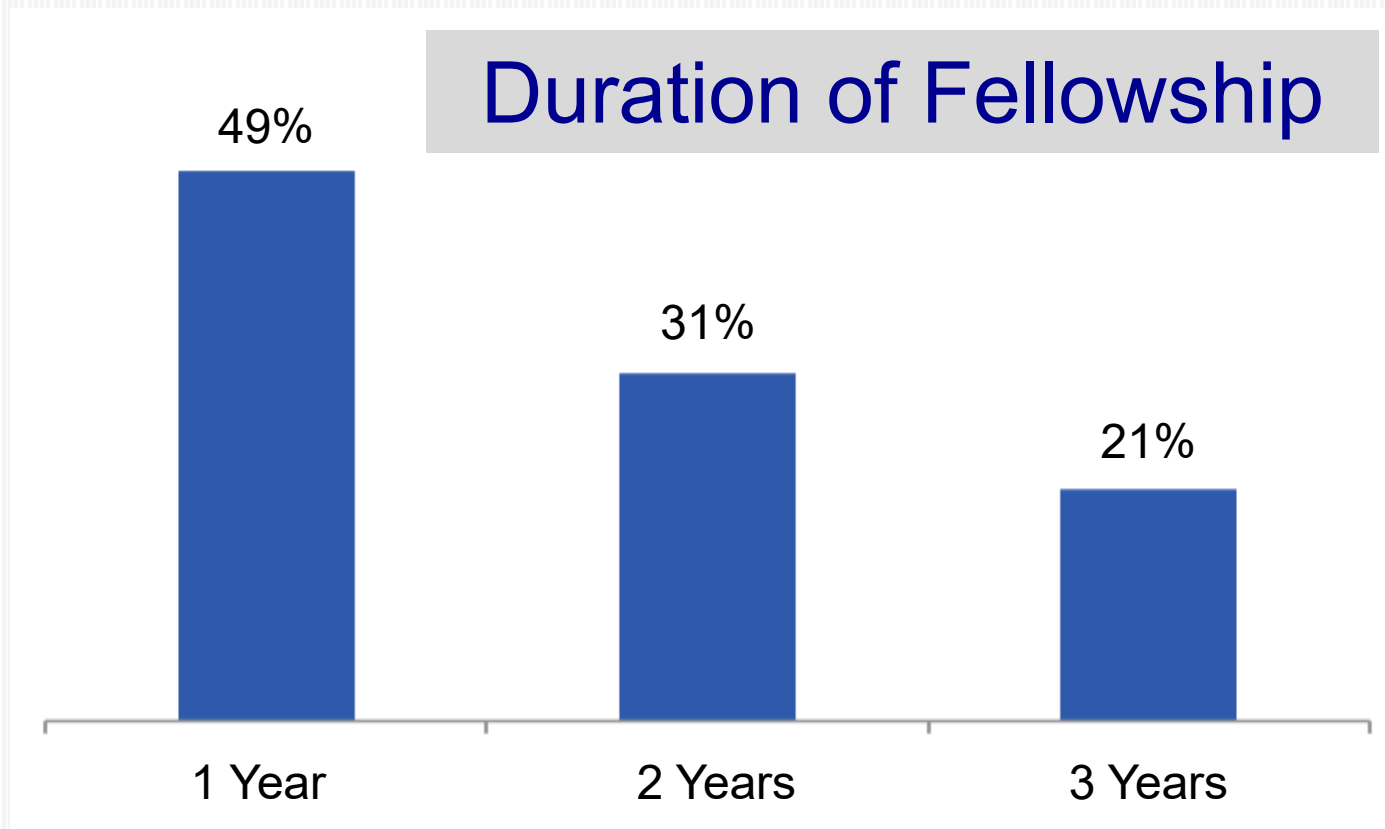
- Every great team has a strong Leader
- Great teams and great leaders create each other
- In Great team the right person has the right job
- The best leader allows its members to discover their
Leader is a facilitator

How to Learn HPB Surgery?



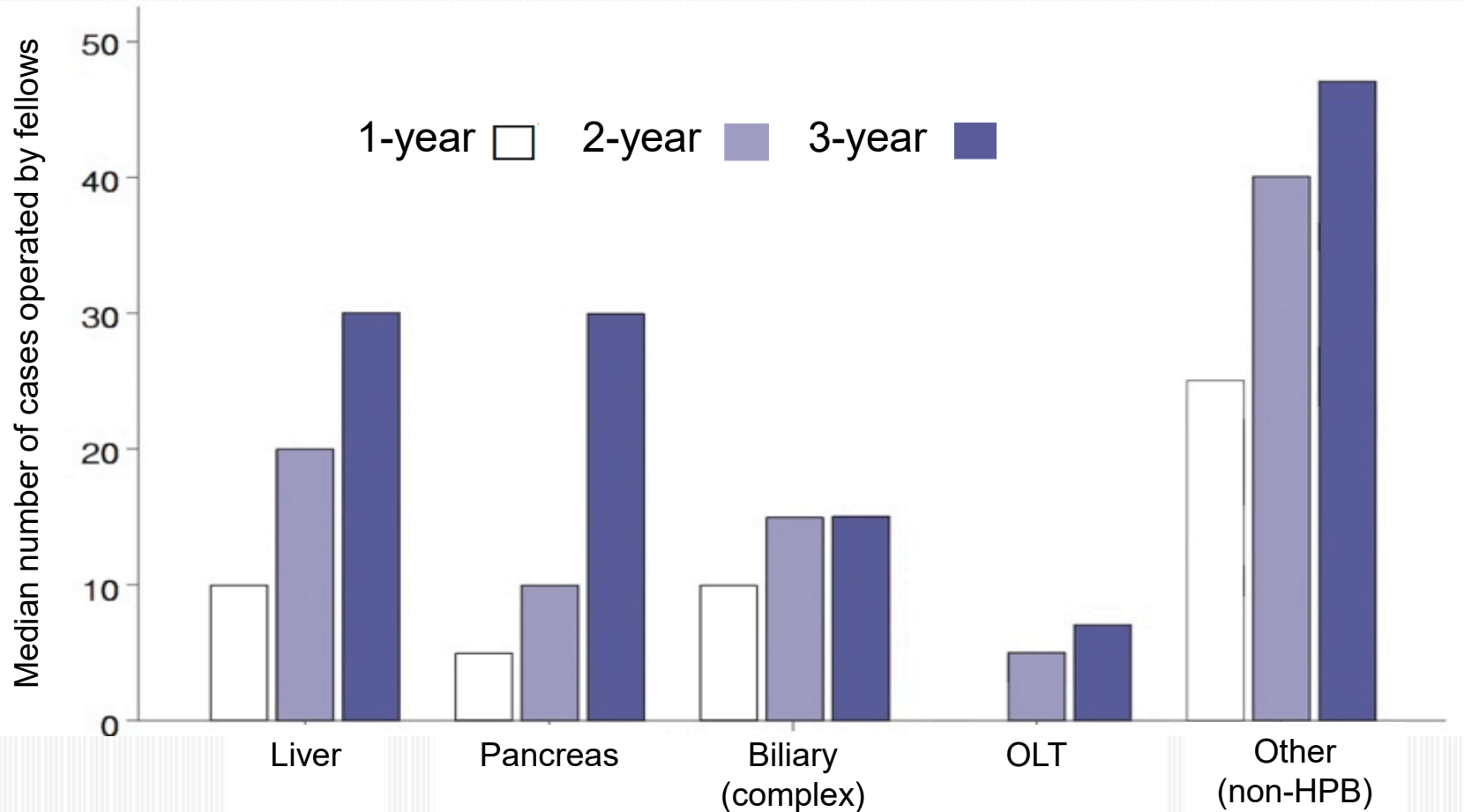
HPB Fellowship

40 centers



HPB Fellowship

Fellows Practice

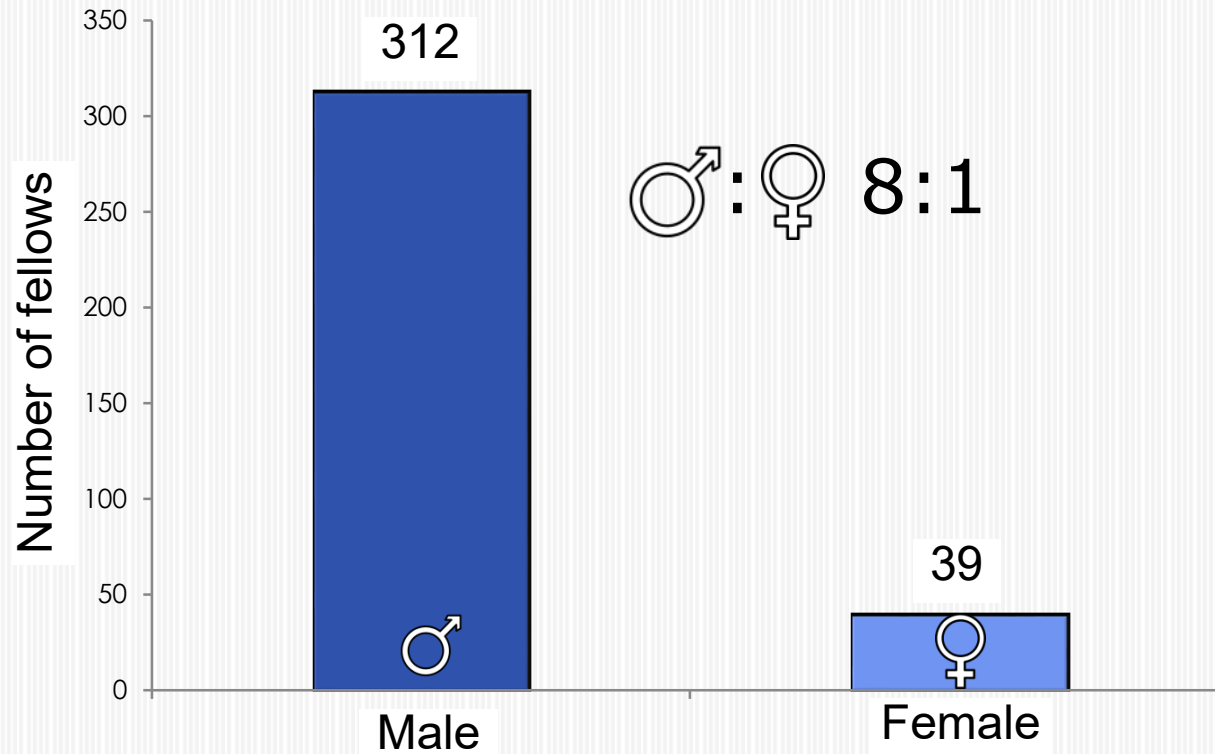


HPB Fellowship

32 centers

Total fellows: 351

Gender



Fellowship – Gender Gap

TABLE 1. Demographic Information of Survey Respondents

Responder Demographics	No. Respondents (%)
Age group, yr	
30–40	127 (30.6%)
41–50	194 (46.6%)
51–60	73 (17.6%)
61–70	22 (5.3%)
Sex	
Male	371 (89.2%)
Female	45 (10.8%)
HPB fellowship training pathway	
Transplant surgery	162 (39.0%)
Surgical oncology, nontracked	102 (24.4%)
Surgical oncology, HPB-tracked	21 (5.0%)
HPB surgery	49 (11.9%)
Other formal training	51 (12.2%)
No formal training postresidency	31 (7.5%)
Current practice setting	
Academic university	295 (71.0%)
Academic community	74 (17.8%)
Private practice	37 (8.9%)
Government	10 (2.5%)

Table 1 Demographics of respondents (*n* = 290) as a function of training track

	Transplant surgery (<i>n</i> = 141)	Surgical oncology (<i>n</i> = 106)	HPB surgery (<i>n</i> = 43)
Age group, <i>n</i> (%)			
30–40 years	27 (19%)	47 (44%)	27 (63%)
41–50 years	79 (56%)	50 (47%)	15 (35%)
51–60 years	28 (20%)	9 (8%)	1 (2%)
61–70 years	7 (5%)	0	0
Gender, <i>n</i> (%)			
Male	130 (92%)	90 (85%)	37 (86%)
Female	11 (8%)	16 (15%)	6 (14%)
Current practice, <i>n</i> (%)			
Private	7 (5%)	7 (7%)	9 (21%)
Academic – university	113 (80%)	77 (73%)	23 (53%)
Academic – community	19 (14%)	19 (18%)	10 (23%)
Government	2 (1%)	3 (3%)	1 (2%)
Years since fellowship training completed, median (range)	10 (1–34)	7 (1–23)	3 (1–23)

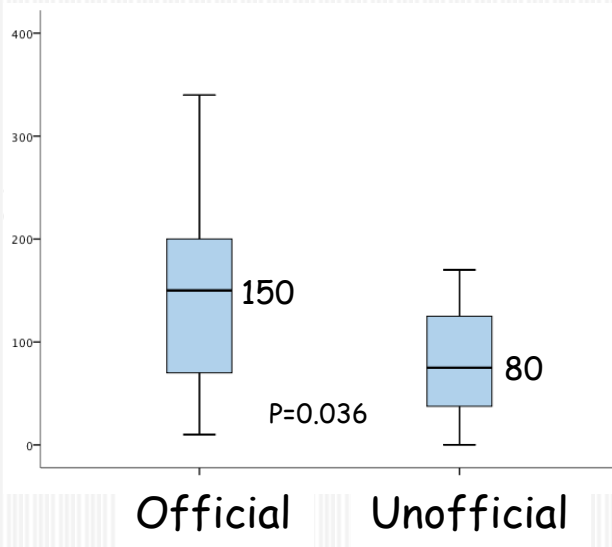
HPB, hepatopancreatobiliary.

HPB Fellowship

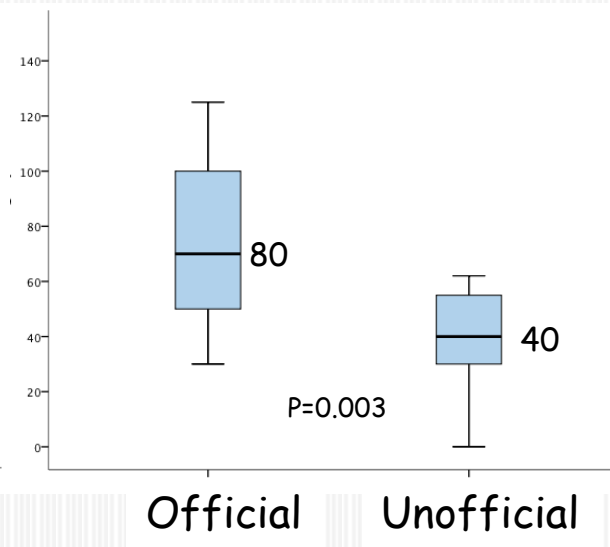
HPB Curriculum vs. Fellows' exposure

N= 32

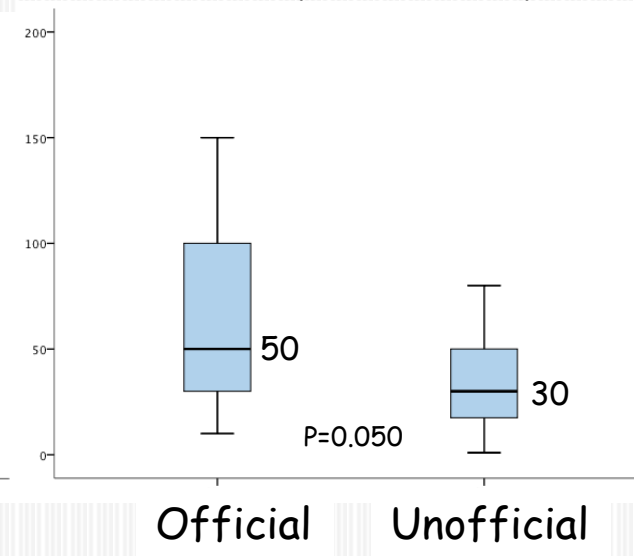
Liver



Pancreas



Complex biliary



HPB Curriculum

How to choose your training wisely ?

“The main difference between surgeons & surgeon-scientists is that clinicians want to make things well, while clinician-scientists want to understand them”



**HPB Tracks for Training
and Career Planning**

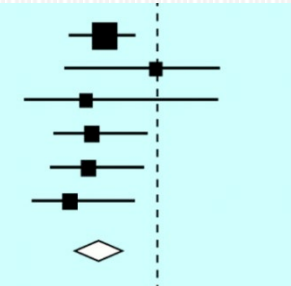
Fellowship - What is the choice?

Tracks

Track 1: Surgical training



**Track 2: Surgical training
+ Clinical research**



**Track 3: Surgical training
+ Basic research**



Fellowship - What is the choice?

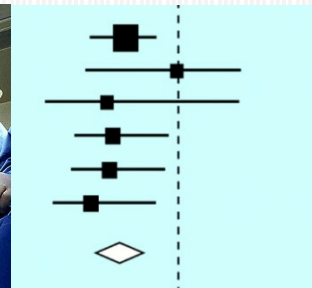
Track 1: Surgical training

Clinical Mentor
Large volume Center



Track 2: Surgical training

Look for academic mentor + track
record in clinical publications

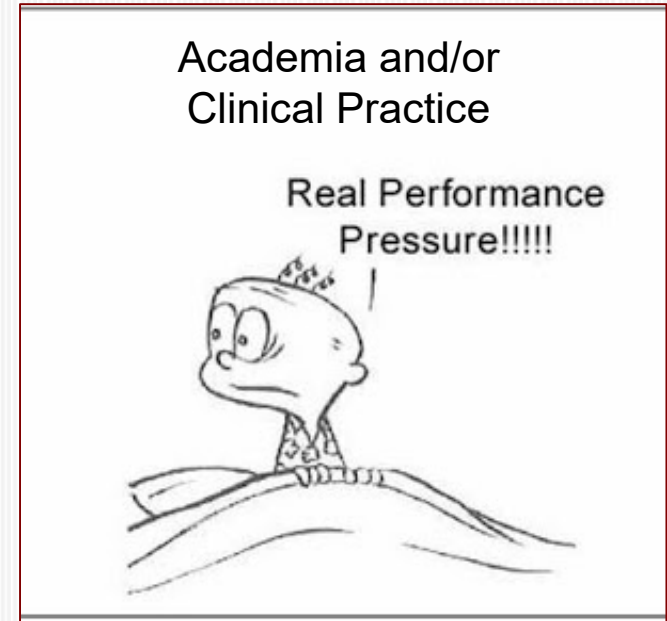


Track 3: Surgical training

Look for track record in lab
research publications



What is the Surgeon Role?



Specialized Training - The Role !

Lesson 1: Study the past,
if you would divine the future.

Confucius, 551 BC – 479 BC



Recognize those who went before you

Specialization - UEMS

THE UEMS SECTION OF SURGERY & EUROPEAN BOARD OF SURGERY



17 UEMS - HPB Board Certified Surgeons

Prof. Xavier Rogiers: HPB specialization in Europe / UEMS + EAHPBA

Specialization - UEMS

THE UEMS SECTION OF SURGERY & EUROPEAN BOARD OF SURGERY



Prof. Dr. Alejandro Serrablo

Chairman of the Division HPB Surgery



Prof. Dr. Michelle De Oliveira

Vice-Chair of the Division HPB Surgery and President of
the UEMS HPB Board Exam

176 UEMS - HPB Board Certified Surgeons

Summary

HPB Fellowship: Road to UEMS

- **Board Certification in General Surgery**
- **Curriculum available**
- **Duration: 1y – 3y**
- **Recognized by E-AHPBA association (HPB)**

Take Home Message

HPB Fellowship: Role of UEMS

- **Be Fit!**
- **Choose wisely: MENTOR (leader)**
- **Qualified fellowship: Minimum for UEMS eligibility**
- **Autonomy level: European Board of Surgery
Qualification in HPB Surgery**
- **Future: UEMS HPB Center Accreditation**



Thank you

