**Advanced Course of Therapeutic ERCP**

上課期限：半年（W6/W7上課）

名額：40名（由本學會教學醫院主任推薦，40歲以下之台灣消化系內視鏡醫學會會員）

費用：70000 NTD

講師：國內外專家

見習：醫院TBD（每人各20例）

完成課程者，學會授予證書

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| Topic | Outline |
| Preparation, indication, contract indication |  |
| I. Equipment and accessory |
| I-1 Introduction of ERCP accessory | 1. Cannulation catheter2. Guidewire3. Sphincterome and needle knife4. Basket5. Balloon6. Dilation Balloon7. Brushing cytology and biliary biopsy8. Dilator9. Plastic stent10. Metallic stent |
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| I-2 Electrosurgical unit | 1. Function of ESU2. Setting |
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| II. Image reading |
|  | 1. Ampulla2. ERC of prone position3. ERC of left lateral position4. ERP5. Anomaly of ERC and ERP |
| III. Cannulation and difficult cannulation |
| III-1 Basic cannulation | 1. Cannulation and pattern of ampulla2. Selection of catheter and papillotome3. Guidewire4. Biliary cannulation5. Pancreatic cannulation6. Cannulation of Minor papilla |
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| III-2 Difficult cannulation | 1. Difficult ampulla2. Pre-cut method3. Needle knife4. Pancreatic stenting method5 Two guide-wire method6. Other methods |
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| IV. EST/needle knife and difficult EST |
| IV-1 Biliary | 1. Selection of papillotome2. Basic technique3. Difficult EST/needle knife4. EST for alternative surgical anatomy5. EST for special condition: pace-maker, pregnancy. |
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| IV-2 pancreatic and minor papilla | 1. Selection of papillotome2. Basic technique3. Difficult EST/needle knife4. EST for alternative surgical anatomy5. EST for special condition: pacemaker, pregnancy.. |
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| V. EPBD/EPLBD |
|  | 1. Basic technique2. Selection of balloon size3. Indication and contra-indication4. Complication and management |
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| VI. Biliary lithotripsy and mechanical lithotripsy |
|  | 1. Technique2. Selection of types of baskets3. Mechanical lithotripsy4. Complications and management |
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| VII. Pancreatic lithotripsy |
|  | 1. Basic concept2. Balloon/basket3. Technique4. Rescue method: stenting? ESWL? |
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| VIII. Biliary plastic stenting |
| VIII-1 Stenting for malignancy  | 1. Basic concept 2. Technique3. Selection of stent: size, type, length, number |
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| VIII-2 Stenting for benign stricture | 1. Basic concept2. Technique3. Selection of stent: size, type, length, number |
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| VIII-3 Management of migration and other complication | 1. Management of internal migration2. Management of distal migration3. Management of bleeding/ulcer/perforation due to stents |
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| IX. Biliary metallic stenting |
| IX-1 How to choose metallic stent | 1. Structures of stents2. Radial & axial force3. Type for different locations & nature of stenosis4. Other considerations |
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| IX-2 Tips of metallic stenting |  |
| IX-3 Hilar stening  | 1. How to choose stent2. Benign and malignancy3. Stent in stent4. Stent by stent  |
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| IX-4 Intrahepatic metallic stenting (benign & malignant) | 1. How to choose stent2. Technique (selective cannulation)2. Benign and malignancy |
| X. Pancreatic stenting |
|  | 1. Indication2. Concept3. Technique4. Selection of stents: type, length, size5. Management of internal migration |
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| XI. Cholangioscopy and pancreatoscopy  |
| XI-1 Baby-mother scopy | 1. Equipment2. Technique3. Image and tissue sampling |
| XI-2 Peroral cholangioscopy | 1. Equipment2. Technique3. Image and tissue sampling |
| XI-3 Spyglass | 1. Equipment2. Technique3. Image and tissue sampling |
| XI-4 EHL and laser lithotripsy | 1. Equipment2. Technique |
| XII. ERCP for alternative surgical anatomy |
| XII-1 Billroth II | 1. Equipment2. Technique |
| XII-2 Roux-en-Y anastomosis | 1. Equipment2. Technique |
| XIII. Endoscopic ampullectomy |
|  | 1. Pre-procedure evaluation2. Indication3. Equipment4. Technique |
| XIV. Complication – prevention, detection and management |
| XIV -1 Post-ERCP Pancreatitis |  |
| XIV -2 perforation and bleeding due to ERCP procedure |  |
| XIV -3 Post-ERCP cholangitis |  |
| XV. Management of pancreatic duct disruption |