**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 catheter  2. Guidewire  3. Sphincterome and needle knife  4. Basket  5. Balloon  6. Dilation Balloon  7. Brushing cytology and biliary biopsy  8. Dilator  9. Plastic stent  10. Metallic stent |
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| I-2 Electrosurgical unit | 1. Function of ESU  2. Setting |
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| II. Image reading | |
|  | 1. Ampulla  2. ERC of prone position  3. ERC of left lateral position  4. ERP  5. Anomaly of ERC and ERP |
| III. Cannulation and difficult cannulation | |
| III-1 Basic cannulation | 1. Cannulation and pattern of ampulla  2. Selection of catheter and papillotome  3. Guidewire  4. Biliary cannulation  5. Pancreatic cannulation  6. Cannulation of Minor papilla |
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| III-2 Difficult cannulation | 1. Difficult ampulla  2. Pre-cut method  3. Needle knife  4. Pancreatic stenting method  5 Two guide-wire method  6. Other methods |
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| IV. EST/needle knife and difficult EST | |
| IV-1 Biliary | 1. Selection of papillotome  2. Basic technique  3. Difficult EST/needle knife  4. EST for alternative surgical anatomy  5. EST for special condition: pace-maker, pregnancy. |
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| IV-2 pancreatic and minor papilla | 1. Selection of papillotome  2. Basic technique  3. Difficult EST/needle knife  4. EST for alternative surgical anatomy  5. EST for special condition: pacemaker, pregnancy.. |
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| V. EPBD/EPLBD | |
|  | 1. Basic technique  2. Selection of balloon size  3. Indication and contra-indication  4. Complication and management |
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| VI. Biliary lithotripsy and mechanical lithotripsy | |
|  | 1. Technique  2. Selection of types of baskets  3. Mechanical lithotripsy  4. Complications and management |
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| VII. Pancreatic lithotripsy | |
|  | 1. Basic concept  2. Balloon/basket  3. Technique  4. Rescue method: stenting? ESWL? |
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| VIII. Biliary plastic stenting | |
| VIII-1 Stenting for malignancy | 1. Basic concept  2. Technique  3. Selection of stent: size, type, length, number |
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| VIII-2 Stenting for benign stricture | 1. Basic concept  2. Technique  3. Selection of stent: size, type, length, number |
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| VIII-3 Management of migration and other complication | 1. Management of internal migration  2. Management of distal migration  3. 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 stents  2. Radial & axial force  3. Type for different locations & nature of stenosis  4. Other considerations |
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| IX-2 Tips of metallic stenting |  |
| IX-3 Hilar stening | 1. How to choose stent  2. Benign and malignancy  3. Stent in stent  4. Stent by stent |
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| IX-4 Intrahepatic metallic stenting (benign & malignant) | 1. How to choose stent  2. Technique (selective cannulation)  2. Benign and malignancy |
| X. Pancreatic stenting | |
|  | 1. Indication  2. Concept  3. Technique  4. Selection of stents: type, length, size  5. Management of internal migration |
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| XI. Cholangioscopy and pancreatoscopy | |
| XI-1 Baby-mother scopy | 1. Equipment  2. Technique  3. Image and tissue sampling |
| XI-2 Peroral cholangioscopy | 1. Equipment  2. Technique  3. Image and tissue sampling |
| XI-3 Spyglass | 1. Equipment  2. Technique  3. Image and tissue sampling |
| XI-4 EHL and laser lithotripsy | 1. Equipment  2. Technique |
| XII. ERCP for alternative surgical anatomy | |
| XII-1 Billroth II | 1. Equipment  2. Technique |
| XII-2 Roux-en-Y anastomosis | 1. Equipment  2. Technique |
| XIII. Endoscopic ampullectomy | |
|  | 1. Pre-procedure evaluation  2. Indication  3. Equipment  4. 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 | |