

Dr. ASHRAF M. ELBADRY H. OSMAN

MB BCh, MSc, MD (EGYPT), MD (Switzerland)

Clinical Fellowship: Swiss HPB & Transplant Center (Switzerland)

European Interuniversity Diploma: HPB cancers & Oncosurgery (France)

Assistant Professor: HPB Surgery & Surgical Oncology



PERSONAL INFORMATION:

- Full Name: Ashraf Mohammad ElBadry Hifny Osman.
- Date of birth: 18.09.1972, Sohag, Egypt.
- Married to Dr. Walaa M. Maklad.
- Children: Ganna (born in Zurich, Switzerland, 2007), Yusuf (born in Zurich, Switzerland, 2010), Anas (born in Sohag, Egypt, 2015).
- Nationality: Egyptian.
- Languages: Arabic, English.
- Home address: 15 Madrasat Al-Zera'ah Street, 82519 Sohag, Egypt.
- Work Address: Sohag University Hospital, University Street, 82524 Sohag, Egypt.
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MEDICAL EDUCATION, POSTGRADUATE DIPLOMAS AND QUALIFICATIONS:

- Bachelor of Medicine and Surgery (MBBCh): Sohag University, [Egypt](#), 1996.
- Master of Surgery (MSc): Sohag University, [Egypt](#), 2001.
- Doctorate of Medicine (MD): Zurich University, [Zurich, Switzerland](#), May 2007.
- Doctorate of Surgery (PhD equivalent): Sohag University, [Egypt](#), January 2011.
- Clinical Hepato-Pancreato-Biliary (HPB) Surgery & Liver Transplant Fellowship Diploma: Swiss HPB Surgery and Liver Transplant Center, Department of Surgery, Faculty of Medicine, Zurich University, [Zurich, Switzerland](#), 2009-2011.
- Hepatic-Pancreatic-Biliary Cancers, Oncosurgical Strategies Diploma: Paris SUD University, [Paris, France](#), 2014-2015.

CURRENT POSITION:

- Assistant Professor of General Surgery & Surgical Oncology, Consultant: Hepato-Pancreato-Biliary (HPB) Surgery: Department of Surgery, Sohag University Hospital, Faculty of Medicine, Sohag University, Sohag, Egypt.
- Director: Experimental HPB Surgery & Liver Transplant Lab, Sohag University, Sohag, Egypt.

INTERNATIONAL AND NATIONAL AWARDS:

- Swiss Society of Surgery: First Prize, 2007.
- Zurich University: Prize of Research and Academic Achievements, 2007.
- Swiss Society of Transplantation: Second Prize, 2008.
- Swiss Society of Gastroenterology: Prize of Nutrition, 2008.
- [Egypt's "State Prize"](#) of Excellence in Medical Science: Academy of Scientific Research and Technology, 2013 [جائزة الدولة للتفوق في العلوم الطبية](#)
- Sohag University: Encouragement Prize in Medical Science, 2013.

GRANTS:

- Capacity Building Grant: [4,578,000 \(Four million five hundred seventy-eight thousands\) Egyptian Pounds](#), Science and Technology Development Fund (STDF)

Egypt; for establishment of Experimental Hepato-Pancreato-Biliary Surgery and Liver Transplant Laboratory at the Faculty of Medicine, Sohag University, Sohag, Egypt, February 2016.

PREVIOUS CLINICAL AND ADMINISTRATIVE APPOINTMENTS AND FELLOWSHIPS:

- Vice-Director: Sohag University Hospital (November 2013- December 2015).
- Clinical Fellowship (two years, 2009-2011): HPB Surgery & Liver Transplantation, Swiss HPB and Transplantation Centre, Zurich, Switzerland.
- Postdoctoral Fellowship and Clinical Attachment (2007-2009): Department of Visceral Surgery and Transplantation, Zurich University Hospital, Zurich, Switzerland.
- Doctoral Fellowship (2004-2007): Basic research and Doctoral thesis, Department of Visceral Surgery and Transplantation, Zurich University Hospital, Zurich, Switzerland.
- Specialist General Surgeon: Department of General Surgery, Sohag University Hospital, Sohag, Egypt 2004.
- Assistant Lecturer of Surgery: Sohag Faculty of Medicine, Sohag University, Sohag, Egypt 2004.
- Instructor of Surgery: Sohag Faculty of Medicine, Sohag University, Sohag, Egypt 2001.
- Residency in General Surgery: Department of General Surgery, Sohag University Hospital, Sohag, Egypt 1998-2004.
- House Officer (Internship): Sohag University Hospital, Sohag, Egypt 1997-1998.

CLINICAL AND BASIC RESEARCH EXPERIENCE:

- New surgical techniques for pancreatoduodenal anastomosis.
- Surgical strategies to improve the clinical outcome of liver resection for colorectal and non-colorectal liver metastasis.
- Intra-operative assessment of hepatic microcirculation by Orthogonal Polarization Spectral (OPS) and Side-stream Dark Field (SDF) Imaging.
- Amelioration of liver steatosis and fibrosis by omega-3 fatty acids.
- Nicotinamide Phosphoribosyl Transferase as marker for progression of colorectal carcinoma.
- Role of hepatic microcirculation, essential fatty acids and eicosanoids in ischemia/reperfusion injury of the fatty liver.

INTERNATIONAL ACADEMIC ACTIVITIES:

- Editorial board member:
 - o Current Trends in Liver Disorders and Therapy.
 - o Archives of Biological and Biomedical Research.
- Reviewer: American Journal of Transplantation, Liver Transplantation, Journal of Hepatology, and Annals of Surgery.

CLINICAL AND RESEARCH TRAINING COURSES:

- Bariatric Surgery Workshop: Sohag University Center for Endo-Laparoscopic Training (SUCELT), Sohag, Egypt, March 2017.
- The 14th International Workshop of the Egyptian Society of Bariatric Surgery: Cairo, Egypt, February 2017.
- The Scientific Day of Sohag University Pediatric Surgery Unit and the Egyptian Society of Pediatric Surgery: Sohag University, February 2016.

- Instructor in Basic Laparoscopic Surgery Course: Sohag University Hospital, August 2015.
- Biosurgery Innovation Course on Intra-operative Hemostasis: Learning Resource Center, Cairo Faculty of Medicine, University, Cairo, Egypt, 2012.
- The 1st Postgraduate Course of the European Hepato-Pancreato-Biliary Association on Hepato-Pancreato-Biliary Surgery: Zurich University Hospital, Zurich, Switzerland, December 2010.
- Laparoscopy and Hemostasis Course: European Surgical Institute, Hamburg, Germany, October 2010.
- Molecular Cell Biology Course: Swiss Federal Institute of Technology (ETH Zurich), Zurich, Switzerland, 2007.
- Experimental Biochemistry Course: Zurich University, Zurich, Switzerland, 2007.
- Advanced Microsurgery Course: Zurich University Hospital, Zurich, Switzerland, 2006.
- Advanced Science and Grant Writing Course: Swiss Society of Surgery, Brienz, Switzerland, May November 2004.
- Liver Intravital Microscopy Course: Saarland University, Homburg, Germany, September 2004.
- Introductory Course in Laboratory Animal Science: Zurich University, Zurich, Switzerland, September 2004.
- Preparatory Course for Prospective University Lecturer: Sohag University, Sohag, Egypt, 2002.

PROFESSIONAL MEMBERSHIP:

- Physician: Ministry of Health, Egypt.
- Consultant of Surgery: Egyptian Medical Syndicate.
- Member: Egyptian Society of Surgeons.
- Member: Egyptian Hepato-Pancreatobiliary Association.

CONFERENCE PROCEEDINGS/LECTURES (SELECTED):

- Management of liver and pancreas trauma. Egyptian Medical Syndicate, Continuous Medical Education Program, Sohag, December 2017.
- Outcome of Surgical Resection for Localized Gastrointestinal Stromal Tumors: The 2nd Sohag Conference of Surgery, Laparo-Endoscopy and Oncology, Sohag, Egypt, November 2016.
- Double Purse-String versus Conventional Pancreatico-Gastrostomy during Whipple Procedure: Comparative Study at Sohag University Onco-Surgery Program: The 34th Annual Summer Meeting of the Egyptian Society of Surgeons, Alexandria, Egypt, October 2016.
- Postoperative Thrombocytopenia Aggravates Liver Dysfunction after Resection of Hepatocellular Carcinoma in Cirrhotic Liver: The 34th Annual Meeting of the Egyptian Society of Surgeons, Cairo, Egypt, April 2016.
- Postoperative Thrombocytopenia Aggravates Liver Dysfunction after Resection of Hepatocellular Carcinoma in Cirrhotic Liver: The Doha Hepatocellular Carcinoma Conference, Doha, Qatar, March 2016.
- Influence of Concomitant Liver-Visceral Resections on Postoperative Complications Assessed by Clavien-Dindo System: Experience from Sohag University Liver Surgery Program: The 33rd Annual Meeting of the Egyptian Society of Surgeons in collaboration with 23rd Annual Meeting of the Pan Arab Association of Surgeons, Cairo, Egypt, May 2015.
- Standardized Ranking of Postoperative Complications after Liver Resection. Experience from Liver Surgery Program at Sohag University Hospital. The 32nd

- Annual Summer Meeting of the Egyptian Society of Surgeons, Cairo, Egypt, October 2014.
- In Vivo assessment of Hepatic Microcirculation in the Steatotic Liver. The 32nd Annual Winter Meeting of the Egyptian Society of Surgeons, Cairo, Egypt, April 2014.
 - Optimization of Applied Scientific Research at Sohag Faculty of Medicine: A Three-Point Initiative: The 9th Annual Conference of Sohag Faculty of Medicine, Sohag University, Sohag, Egypt, April 2014.
 - Management of Liver Trauma in Sohag: An Evidence-Based Approach. The 2nd Qena Faculty of Medicine Scientific Conference in collaboration with the Egyptian Society of Surgeons, South Valley University, Qena, Egypt, January 2013.
 - Liver Resection for Primary and Metastatic Liver Neoplasms: Early Experience from Liver Surgery Program at Sohag University Hospital. The 31st Annual Meeting of the Egyptian Society of Surgeons, Cairo, Egypt, April 2013.
 - Retractors in Abdominal Surgery: Symposium on Basics of Surgical Practice, Sohag University Hospital, Sohag, Egypt, June 2012.
 - Hepatic Steatosis in Resectional and Transplant Surgery of the Liver. A New Approach. The 5th Annual Conference of South Egypt Cancer Institute, Hurghada, Egypt, May 2012.
 - Colorectal Liver Metastasis: A Curable disease? The 7th Annual National Conference of Sohag Faculty of Medicine, Sohag, Egypt, May 2012.
 - Small for Size Syndrome in Liver Resection and Transplantation. Recent Approaches. The 2nd International Annual Conference of Al-Azhar Group of Hepatology and Gastroenterology and the Egyptian Society for the Study of Endoscopy and Hepato-Gastroenterology, Luxor, Egypt, April 2012.
 - Liver Transplantation. The 1st Hepatobiliary Annual Conference of Sohag Liver Institute, Sohag, Egypt, December 2011.
 - Do omega-3 fatty acids ameliorate hepatic microcirculation and ischemia/reperfusion injury in aged mouse liver? The 10th Hepatobiliary and Gastrointestinal Research Retreat, Vulpera, Switzerland, January 2011.
 - Chemical composition of hepatic lipids mediates ischemia/reperfusion injury in the steatotic liver of mice through Thromboxane A2. The 97th annual meeting of the Swiss Society of Surgery, Interlaken, Switzerland, May 2010.
 - Thromboxane A2 mediates reperfusion injury in the steatotic liver of mice. The 9th Day of Clinical Research, Zurich University Hospital, Zurich, Switzerland, April 2010.
 - Chemical composition of hepatic lipids mediates reperfusion injury in the steatotic mouse liver. The 9th Hepatobiliary and Gastrointestinal Research Retreat, Vulpera, Switzerland, January 2010.
 - Poor correlation among expert pathologists in interpreting liver steatosis and lack of correlation with postoperative outcome? Have we been misled in the last 20 years? The XVI meeting of the European Surgical Association, Vienna, Austria, April 2009.
 - Assessment of Hepatic Steatosis by Expert Pathologists. The End of a Gold Standard. The 8th Hepatobiliary and Gastrointestinal Research Retreat: Vulpera, Switzerland, January 2009.
 - Prevention of reperfusion injury and microcirculatory failure in the macrosteatotic mouse liver by omega-3 fatty acids. The annual meeting of the Swiss Society of Gastroenterology, Interlaken, Switzerland, August 2008.
 - Thromboxane A2: A novel pathway of ischemia reperfusion injury of the fatty liver. The 7th Hepatobiliary and Gastrointestinal Research Retreat: Vulpera, Switzerland 2008.

- Prevention of reperfusion injury and microcirculatory failure in the macrosteatotic mouse liver by omega-3 fatty acids. The 6th annual meeting of Swiss Society of Transplantation, Interlaken, Switzerland, January 2008.
- Impact of essential fatty acids on ischemia and reperfusion injury of the fatty liver. Surgical and Gastrointestinal Grand Round, Zurich University Hospital, Zurich, Switzerland, October 2007.
- Prevention of reperfusion injury and microcirculatory failure in the macrosteatotic mouse liver by omega-3 fatty acids. The 94th annual meeting of the Swiss Society of Surgery, Lausanne, Switzerland, June 2007.
- Enhanced ischemic injury in macrosteatotic liver is related to preexisting microcirculatory alteration. The 93th annual meeting of the Swiss Society of Surgery, Lugano, Switzerland, June 2006.
- Derangement of essential fatty acid content and microcirculatory alteration enhance ischemia/reperfusion injury in the fatty liver. The 5th Hepatobiliary and Gastrointestinal Research Retreat, Vulpera, Switzerland, June 2006.
- Impact of essential fatty acids on ischemia and reperfusion injury of the fatty liver. The 6th Hepatobiliary and Gastrointestinal Research Retreat, Vulpera, Switzerland, January 2007.
- A shift in the ratio of n-6: n-3 polyunsaturated fatty acids correlates with microcirculatory defects and enhanced ischemic injury in the macrosteatotic mouse liver. The 7th world congress of International Hepato-Pancreato.Biliary Association (IHPBA), Edinburgh, United Kingdom, September 2006.

DATA IN SCIENTIFIC DATABASES (AUTHOR: EL-BADRY AM):

Google Scholar:

Total citations (December 2017): 1175

Number of research articles: 20

Average citations per article: 58.75 citations/article

Web Page:

<https://scholar.google.com/eg/citations?user=ZpN1oZsAAAAJ&hl=en>

Research Gate:

Total citations (December 2017): 997

Number of research articles: 24

RG score: 26,36

h-index: 13

Web Page:

https://www.researchgate.net/profile/Ashraf_Mohammad_El-Badry/info

Scopus:

Total citations (December 2017) = 841

Number of research articles: 16

h-index: 12

Web Page:

<https://www.scopus.com/authid/detail.uri?authorId=36882728900>

Pubmed:

Number of research articles: 13

Web Page:

<https://www.ncbi.nlm.nih.gov/pubmed/?term=Ashraf+Mohammad+El-Badry>

PUBLICATIONS (El-Badry AM):

i. BOOK CHAPTERS:

1. **El-Badry AM**, Dutkowski P, Clavien PA. Circulatory injury in liver transplantation. In Vascular liver disease: mechanisms and management. DeLeve LD and Garcia-Tsao G (editors) 2010. 1st edition, Springer.
2. Breitenstein S, **El-Badry AM**, Clavien PA. Uncommon primary and metastatic liver tumors. In: Malignant liver tumors: current and emerging therapies. Clavien PA (Editor) 2010. 3rd edition, Blackwell Publishing Ltd.
3. **El-Badry AM**, Lesurtel M. Extended criteria donor. In: Medical care of the Liver transplant patient. Clavien PA and Trotter JF (editors) 2012. 4th edition, Blackwell Publishing Ltd.

ii. RESEARCH ARTICLES PUBLISHED IN INTERNATIONAL PEER REVIEWED JOURNALS:

1. Ahmed EA, **El-Badry AM**, Mocchegiani F, Montalti R, Hassan AEA, Redwan AA, Vivarelli M. Impact of graft steatosis on post-operative complications after liver transplantation. The Surgery Journal (N Y) 2018; 4 (4): e188-e19
2. Abu-Dief E, Mohammed D, Abd El-Haliem N, Mohammed S, **El-Badry AM**. Impact of omega-3 fatty acids on evolution of carbon tetrachloride-(CCl4) induced liver cirrhosis in mice: A histological and immunohistochemical study. The Egyptian Journal of Histology 2018; 41 (1), 61-72
3. **El-Badry AM**, Abdelraheem O. Clinical outcome after liver resection for colorectal versus non-colorectal metastasis: a comparative study. International Surgery Journal 2018; 5 (2), 390-397
4. Ahmed EA, **El-Badry AM**, Hassan AEA, Redwan AA, Vivarelli M. Review on liver steatosis and its impact on liver. Journal of Liver Research Disorders and Therapy 2017; 3 (4), 64-76
5. **El-Badry AM**, Ahmed EA, F Mocchegiani F. Does Histopathology Predict the Outcome of Fatty Liver Resection and Transplantation? Archives of Biological and Biomedical Research 2017; 1 (1), 19-28
6. **El-Badry AM**, Ahmad MIM, Ali HM. Outcome of surgical resection for localized gastrointestinal stromal tumors. International Surgery Journal 2017;4(1):9-14
7. **El-Badry AM**, Redwan AA, Ali HM, Ali HM. Double Purse-String versus Conventional Pancreatico-Gastrostomy during Whipple Procedure: Comparative Study at Sohag University Onco-Surgery Program. International Surgery Journal 2017; 4 (1): 58-63

8. Lesurtel M, Raptis DA, Melloul E, Schlegel A, Oberkofler C, **El-Badry AM**, Weber A, Mueller N, Dutkowski P, Clavien PA. Low Platelet Counts After Liver Transplantation Predict Early Posttransplant Survival. *Liver Transplantation* 2014; 20 (2):147-155
9. Abusedera MA, **El-Badry AM**. Percutaneous treatment of large pyogenic liver abscess. *The Egyptian journal of radiology and nuclear medicine* 2014; 45 (1), 109-115
10. McCormack L, Dutkowski P, **El-Badry AM**, Clavien PA. Liver transplantation using fatty livers: always feasible? *Journal of Hepatology* 2011; 54 (5): 1055-62
11. **El-Badry AM**, Jang J-V, Elsherbiny A, Contaldo C, Tian Y, Raptis DA, Latzko A, Moritz W, Graf R, Clavien PA. Chemical Composition of Hepatic Lipids Mediates Reperfusion Injury of the Macrosteatotic Mouse Liver through Thromboxane A2. *Journal of Hepatology* 2011; 55 (6): 1291-9
12. Tian Y, Graf R, **El-Badry AM**, Clavien PA. Activation of serotonin receptor-2 B rescues small-for-size liver graft failure in mice. *Hepatology*; 2011; 53 (1): 253-62
13. Clavien PA, Oberkofler CE, Raptis DA, Lehmann K, Rickenbacher A, **El-Badry AM**. What is critical for liver surgery and partial liver transplantation: Size or Quality? *Hepatology* 2010; 52 (2): 715-29
14. Mahfud M, Breitenstein S, **El-Badry AM**, Puhan M, Rickenbacher A, Samaras P, Pessaux P, Lopez-Ben S, Jaeck D, Figueras J, Alain-Clavien P. Impact of preoperative bevacizumab on complications after resection of colorectal liver metastases: case-matched control study. *World Journal of Surgery* 2010; 34 (1): 92-100
15. **El-Badry AM**, Breitenstein S, Jochum W, Washington K, Paradis V, Rubbia-Brandt L, Puhan MA, Slankamenac K, Graf R, Clavien PA. Assessment of hepatic steatosis by expert pathologists: the end of a gold standard. *Annals of Surgery* 2009; 250 (5): 691-7
16. Tan Q, **El-Badry AM**, Contaldo C, Steiner R, Hillinger S, Welti M, Hilbe M, Spahn DR, Jaussi R, Higuera G, van Blitterswijk CA, Luo Q, Weder W. The effect of perfluorocarbon-based artificial oxygen carriers on tissue-engineered trachea. *Tissue Engineering Part A* 2009; 15 (9): 2471-80
17. Lang PA, Contaldo C, Georgiev P, **El-Badry AM**, Recher M, Kurrer M, Cervantes-Barragan L, Ludewig B, Calzascia T, Bolinger B, Merkler D, Odermatt B, Bader M, Graf R, Clavien PA, Hegazy AN, Löhning M, Harris NL, Ohashi PS, Hengartner H, Zinkernagel RM, Lang KS. Aggravation of viral hepatitis by platelet-derived serotonin. *Nature Medicine* 2008; 14 (7): 756-61
18. Furrer K, Tian Y, Pfammatter T, Jochum W, **El-Badry AM**, Graf R, Clavien PA. Selective portal vein embolization and ligation trigger different regenerative responses in the rat liver. *Hepatology* 2008; 47 (5): 1615-23

19. **EI-Badry AM**, Moritz W, Contaldo C, Tian Y, Graf R, Clavien PA. Prevention of reperfusion injury and microcirculatory failure in macrosteatotic mouse liver by omega-3FAs. *Hepatology* 2007; 45 (4): 855-63
20. **EI-Badry AM**, Graf R, Clavien PA. Omega 3 - Omega 6: What is right for the liver? *Journal of Hepatology* 2007; 47 (5): 718-25
21. Nocito A, **EI-Badry AM**, Clavien PA. When is steatosis too much for transplantation? *Journal of Hepatology* 2006; 45 (4): 494-9

DOCTORAL AND MASTER THESES:

i. DOCTORAL THESES (2 separate Doctoral theses and 2 Doctoral degrees):

- **EI-Badry AM**: Prevention of Reperfusion Injury and Microcirculatory Failure in the macrosteatotic Liver by Omega-3 Fatty Acids. Faculty of Medicine, [Zurich University](#), Doctoral Thesis 2007.
- **EI-Badry AM**: Ischemic Preconditioning in Resective and Transplant Surgery of the Normal and Fatty Liver, an Intravital Microscopy Study. Faculty of Medicine, [Sohag University](#), Doctoral Thesis 2009.

ii. MASTER THESIS:

- **EI-Badry AM**: Prognostic Scoring Systems to Predict Outcome in Cases of Peritonitis and Intra-abdominal Sepsis. Faculty of Medicine, [Sohag University](#), Master Thesis 2001.