

# Shinichiro Kobayashi, M.D., Ph.D.

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Specialty: GI Surgeon, regenerative medicine

Date and Place of Birth: November 17, 1980 (Hiroshima, Japan)

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## **EDUCATION**

Oct/2011 – Dec/2016 Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan  
**Ph.D. in Medicine**

Apr/2000 – Mar/2006 Nagasaki University School of Medicine, Nagasaki, Japan  
**M.D.**

## **POST GRADUATE TRAINING**

Apr/2006 - Mar/2008 Hrishima city asa hospital, Hiroshima, Japan  
**Intern, Report to Dr. Masaya Kato**

Apr/2008 - Mar/2010 Nagasaki Medical Center, Ohmura, Japan  
**Resident (Surgery), Report to Dr. Hikaru Fujioka**

Apr/2010 - Mar/2011 Nagasaki Prefecture Tsushima Izuhara Hospital, Tsuhima, Japan  
**Resident (Surgery and Primary care), Report to Dr. Kaoru Itose**

Apr/2011 - Mar/2012 Nagasaki University Hospital, Department of Surgery, Nagasaki, Japan  
**Fellow (Surgery), Report to Dr. Susumu Eguchi**

Apr/2012 - Sep/2014 Tokyo Women's Medical University, Institute of Advanced Biomedical Engineering and Science, Tokyo, Japan  
**Research Fellowships (Regenerative medicine), Report to Dr. Masayuki Yamato**

Oct/2014 - Mar/2015 Jyuzenkai Hospital, Department of Surgery, Nagasaki, Japan  
**Fellow (Surgery), Report to Dr. Seiya Susumu**

Apr/2015 - Mar/2019 Nagasaki University Hospital, Department of Surgery, Nagasaki, Japan  
**Assistant professor, (Upper GI Surgery, Endoscopy, Regenerative medicine)**

Apr/2019 – Mar/2020 Nagasaki Medical Center, Ohmura, Japan  
**Fellow (Surgery), Report to Dr. Tamotsu Kuroki**

## **PROFESSIONAL APPOINTMENTS**

Apr/2020 – Present Nagasaki University Hospital, Department of Surgery, Nagasaki, Japan  
**Assistant professor, (Upper GI Surgery, Endoscopy, Regenerative medicine)**

## **LICENSES and CERTIFICATIONS**

National Board of Medicine, Japan  
Specialty for Japanese Surgical Society  
Specialty for the Japanese society of Gastroenterological Surgery  
Specialty for Japan society of regenerative medicine  
Board Certified Gastroenterologist of the Japanese Society of Gastroenterology  
Specialty for The Japanese esophageal Society

## **Awards**

1. Poster award. IASGO-CME 2021.6 Speaker
2. Travel Grant. EAES 2017.6 Speaker
3. Young Investigator awards. The congress of Japan Surgical Society 2017.4 Speaker
4. Oral Free Paper Prize. UEGW. 2015.10 Speaker

5. Travel Grant. UEGW 2015.10 Speaker
6. Young Investigator awards. The congress of Japanese Society for Matrix Biology and Medicine 2015.5 Speaker
7. Oral Free Paper Prize. UEGW. 2014.10 co-author
8. Young Investigator awards. The congress of Japan Matrix Club 2014.5 co-author
9. EMBL Advanced Training Centre Corporate Partnership Programme fellowships. EMBO/EMBL Epithelia Symposium. 2014.8 Speaker

### **Funding**

1. Grants-in-Aid for Scientific Research <KAKENHI> 2015.10.
2. Grants-in-Aid for Scientific Research <KAKENHI> 2017.4.
3. J-CASE Research Grant 2017.10
4. The Japanese Foundation for Research and Promotion of Endoscopy Grant 2017.12
5. Takeda Science Foundation 2018.4
6. The Japan society for abdominal emergency medicine Grant 2019.3
7. Grants-in-Aid for Scientific Research <KAKENHI> 2021.4.

### **Publication (recent 5 year) \*Author names in bold designate shared co-first authorship.**

1. Yamaguchi S, Kanetaka K, **Kobayashi S**, et al. Highly feasible procedure for laparoscopic transplantation of cell sheets under pneumoperitoneum in porcine model. Surg Endosc. 2021 Sep 7.
2. Yoshida A, Takata T, **Kobayashi S** et al. Impact of endoscopic submucosal dissection and epithelial cell sheet engraftment on systemic cytokine dynamics in patients with oesophageal cancer, Sci Rep. 2021 Jul 27;11(1):15282.
3. Kobayashi K, **Kobayashi S**, et al. Downstaging and Histological Effects Might Be Reliable Predictors of the Efficacy of DOC+CDDP+5-FU (DCF) as Neoadjuvant Therapy for Stage III or Borderline Resectable Esophageal Cancer: a Single Institute Experience. J Gastrointest Cancer. 2021 Jun;52(2):582-592.
4. Hashiguchi K, Maruya Y, **Kobayashi S**, et al. Establishment of an in-vivo porcine delayed perforation model after duodenal endoscopic submucosal dissection. Dig Endosc. 2021 Mar;33(3):381-389.
5. Kasai Y, Takagi R, **Kobayashi S**, et al. A stable protocol for the fabrication of transplantable human oral mucosal epithelial cell sheets for clinical application. Regen Ther. 2020 Jan 16;14:87-94.
6. Hara T, Soyama A, Adachi T, **Kobayashi S**, et al. Ameliorated healing of biliary anastomosis by autologous adipose-derived stem cell sheets. Regen Ther. 2020 Jan 17;14:79-86.
7. Matsumoto R, Maruya, **Kobayashi S**, et al. The efficacy of autologous myoblast sheet transplantation to prevent perforation after duodenal endoscopic submucosal dissection in porcine model Cell Transplant 2020. Jan-Dec;29:963689720963882.
8. Hirayama T, Nagata Y, Nishida M, Matsuo M, **Kobayashi S**, et al. Metformin Prevents Peritoneal Dissemination via Immune-suppressive Cells in the Tumor Microenvironment. Anticancer Res. 2019 Sep;39(9) 査読
9. Kanetaka K, **Kobayashi S**, Eguchi S. Regenerative medicine for the esophagus. Surg Today. 2018 Aug;48(8):739-747.
10. **Kobayashi S**, Kanetaka K, et al. Predictive factors for major postoperative complications related to gastric conduit reconstruction in thoracoscopic esophagectomy for esophageal cancer: a case control study. BMC Surg. 2018 Mar 6;
11. Yamaguchi N, Isomoto H, **Kobayashi S** et al. Oral epithelial cell sheets engraftment for esophageal strictures after endoscopic submucosal dissection of squamous cell carcinoma and airplane transportation. Sci Rep. 2017 Dec 12;7(1):17460
12. Maruya Y, Kanai N, **Kobayashi S**, et al. Autologous adipose-derived stem cell sheets enhance the strength of

intestinal anastomosis, Regen Ther. 2017 Jul 17;7:24-33.

13. Kasai Y, Takeda N, **Kobayashi S**, et al. Cellular events and behaviors after grafting of stratified squamous epithelial cell sheet onto a hydrated collagen gel. FEBS Open Bio. 2017;7(5):691-704

14. Tanaka S, Kanetaka K, **Kobayashi S**, et al. Cell sheet technology for the regeneration of gastrointestinal tissue using a novel gastric perforation rat model. Surg Today. 2017 ;47(1):114-121.

15. **Kobayashi S**, Kanai N, Tanaka N, et al. Transplantation of epidermal cell sheets by endoscopic balloon dilatation to avoid esophageal re-strictures: initial experience in a porcine model. Endosc Int Open. 2016 ;4(11):E1116-E1123.