

## Curriculum Vitale

**Name:** Koji Otsuka MD. PhD

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**Date of Birth:** 12<sup>nd</sup> May 1969

**Nationality:** Japan

**Hospital:** Department of Gastroenterological & General Surgery,  
School of Medicine, Showa University  
Department of Esophageal Surgery, Showa University Hospital

**Job description:** Associate Professor  
Executive Director of Surgery

### Specialty

- Upper GI surgery
- Esophageal surgery
- Minimally Invasive Surgery
- Endoscopy (Diagnosis, Treatment (EMR, ESD))

### Licensure and Certification

- Endoscopic surgical skill qualification system: Qualified surgeon for esophageal malignancy
- Board certified specialist of Japan Esophageal Society
- Councilor of Japan Esophageal Society
- Councilor of the Japan Society for Endoscopic Surgery
- Councilor of Japanese Society for Abdominal Emergency Medicine
- Councilor of Japan Surgical Association
- Board certified Surgeon of Japan Surgical Society
- Board certified Surgeon of the Japanese Society of Gastroenterological Surgery
- Board certified Member of Japan Gastroenterological Endoscopy Society
- Board certified medical advisor of Japan Gastroenterological Endoscopy Society
- International member of SAGES
- Editorial Board of Annals of Laparoscopic and Endoscopic Surgery

### **Award:**

**Best paper of President Award in 15<sup>th</sup> World Congress of Endoscopic Surgery**

### **Experience of Thoracoscopic Esophagectomy for Esophageal Cancer**

- **Our Institute: over 1000cases (1996 to 2018)**
- **My Experiences of thoracoscopic esophagectomy**
  - Camera operator: 80
  - Assistant: 300 (1st Assistant and Advisor Assistant)
  - Operator: 200

\* Now I'm teaching young colleagues for next operator of thoracoscopic esophagectomy for Esophageal cancer and Laparoscopic operation for Gastric cancer (LTG, LDG, LPG, etc). Now I'm teaching prevent a complication technique of thoracoscopic esophagectomy. I'm also teaching Gastroenterological Endoscopy and Endoscopic Mucosal Resection (EMR) and Endoscopic Submucosal Dissection (ESD) for early esophageal and gastric and colonic cancer.

### **Graduation**

School of Medicine, Showa University (1995)

Graduate School of Medicine PhD course, Showa University (2000)

### **Working and Description Experience**

- Department of Gastroenterological & General Surgery, School of Medicine, Showa University (April 1996 to October 1997)
- Makita General Hospital (October 1997 to July 1998)
- Shiroyama Hospital (July 1998 to July 1999)
- Department of Gastroenterological & General Surgery, School of Medicine, Showa University (July 1999 to May 2002)
- Cedars Sinai Medical Center, LA, USA (May 2002 to July 2003) / Research fellow
- Department of Gastroenterological & General Surgery, School of Medicine, Showa University (July 2003 to July 2006)

- Yamanashi Red Cross Hospital (July 2006 to January 2008) / Chief surgeon
- Department of Gastroenterological & General Surgery, School of Medicine, Showa University (January 2008 to present)
  - 2008 / Assistant Professor
  - 2009 / Vice-Executive Director of Surgery
  - 2012 / Executive Director of Surgical ward
  - 2013 / Associate Professor
    - Executive Director of Surgery

### **Abstracts and Publications**

#### **Recent Presentation in Japan (described only main topics)**

2011

- ***The 111st Annual Congress of Japan Surgical Society***
  - Video Work Shop
  - Lymph node dissection of thoracoscopic esophagectomy for esophageal cancer.
- ***The 66<sup>th</sup> General Meeting of the Japanese Society of Gastroenterological surgery***
  - Symposium
  - Thoracoscopic Esophagectomy by CO2 insufflation in left lateral position.
- ***The 47<sup>th</sup> Annual Congress of Japanese Society for Abdominal Emergency Medicine***
  - Work Shop
  - Comparison for the treatment for perforation of upper GI (operation vs conservative therapy)
- ***The 65<sup>th</sup> Annual Meeting of the Japan Esophageal Society***
  - Video Symposium
  - Thoracoscopic Esophagectomy by CO2 insufflation in left lateral position.
- ***Japan Digestive Disease Week 2011***
  - Panel Discussion
  - Thoracoscopic Esophagectomy after Endoscopic Submucosal Dissection for

esophageal carcinoma

- ***The 73<sup>th</sup> Annual Congress of Japan Surgical Association***

Video Symposium

Thoracoscopic Esophagectomy by CO2 insufflation in left lateral position.

- ***The 27<sup>th</sup> Annual Meeting of the Japan Society for Endoscopic Surgery***

Symposium

Training system for the Endoscopic Surgeon

2012

- ***The 112<sup>th</sup> Annual Congress of Japan Surgical Society***

Video Symposium

Transition and outcome in our thoracoscopic esophagectomy for esophageal cancer.

- ***The 67<sup>th</sup> General Meeting of the Japanese Society of Gastroenterological surgery***

Symposium

Thoracoscopic Esophagectomy by CO2 insufflation in left lateral position.

- ***The 66<sup>th</sup> Annual Meeting of the Japan Esophageal Society***

Video Symposium

~for the best treatment~ Transition and outcome in our thoracoscopic esophagectomy for esophageal cancer.

- ***The 74<sup>th</sup> Annual Congress of Japan Surgical Association***

Video Symposium

Thoracoscopic Esophagectomy by CO2 insufflation in left lateral position.

- ***The 27<sup>th</sup> Annual Meeting of the Japan Society for Endoscopic Surgery***

Symposium

For the acquisition and education system for the Endoscopic Surgeon

Symposium

Thoracoscopic Esophagectomy by CO2 insufflation in left lateral position.

2013

- ***The 113th Annual Congress of Japan Surgical Society***

Surgical Science and State of Art

Thoracoscopic esophagectomy for esophageal cancer based on the comprehension of regional anatomy

- ***The 68th General Meeting of the Japanese Society of Gastroenterological surgery***

Video Symposium

Outcome and education for the thoracoscopic esophagectomy by CO2 insufflation in left lateral position.

- ***The 38th Annual Congress of Japanese College of Surgeons***

Symposium

Education system for the Endoscopic Surgeon

- ***The 50th Annual Meeting of Japanese Society for Surgical Metabolism and Nutrition***

Work Shop

Perioperative care after the 550 cases of thoracoscopic esophagectomy based on the ESSENSE project

- ***The 66th Annual Meeting of the Japan Esophageal Society***

Video Symposium

Outcome in our thoracoscopic esophagectomy for esophageal cancer.

Chairperson

Poster session

2014

- ***The 114th Annual Congress of Japan Surgical Society***

Panel Discussion

Thoracoscopic esophagectomy for esophageal cancer based on the comprehension of regional anatomy ~ left lateral position vs. prone position~

- ***The 69th General Meeting of the Japanese Society of Gastroenterological***

***surgery***

Video Symposium

The anastomosis of esophagectomy aimed at the zero leakage and quality of life

***The 28th Annual Meeting of the Japanese Society of Endoscopic Surgery***

Symposium

Thoracoscopic esophagectomy for esophageal cancer based on the microanatomical Layer

• ***The 39th Annual Congress of Japanese College of Surgeons***

Symposium

Outcome and education for the thoracoscopic esophagectomy by CO2 insufflation in left lateral position.

2015

• ***The 115th Annual Congress of Japan Surgical Society***

Symposium

Standardization fo thoracoscopic esophagectomy for esophageal cancer with left lateral decubitus position

• ***The 68th Annual Meeting of the Japan Esophageal Society***

Symposium

Technique and outcomes of thoracoscopic esophagectomy for esophageal cancer: 700 cases for 20 years at a single center

• ***The 70th General Meeting of the Japanese Society of Gastroenterological surgery***

Symposium

Technique and outcomes of thoracoscopic esophagectomy for esophageal cancer

***The 28th Annual Meeting of the Japanese Society of Endoscopic Surgery***

Symposium

Thoracoscopic esophagectomy for esophageal cancer based on the microanatomical

Layer

2016

- *The 116th Annual Congress of Japan Surgical Society*

Symposium

Thoracoscopic esophagectomy for advanced esophageal cancer with left lateral decubitus position

- *The 69th Annual Meeting of the Japan Esophageal Society*

Video Forum

Advantage and Disadvantage of Thoracoscopic Esophagectomy in the left lateral decubitus position with artificial pneumothorax.

- *The 71st General Meeting of the Japanese Society of Gastroenterological surgery*

Symposium

Our technique and outcomes of thoracoscopic esophagectomy for esophageal cancer

*The 29th Annual Meeting of the Japanese Society of Endoscopic Surgery*

Panel Discussion

Our technique and outcomes of thoracoscopic esophagectomy for esophageal cancer with artificial pneumothorax

- *The 69th Annual Scientific Meeting of the Japanese Association for Thoracic Surgery*

Panel Discussion

*Standardization of our thoracoscopic esophagectomy in left lateral decubitus position and future issue*

## **International Presentation**

1. Video Assisted Thoraco- & Laparoscopic Surgery for Esophageal Cancer  
Koji Otsuka, Masahiko Murakami, Satoru Gotoh, Tetsuo Sawatani, Atsushi Sato, Takashi Kato, Mitsuo Kusano PPSA, Australia , 2004
2. Video-assisted Thoracoscopic Esophagectomy for Esophageal Cancer  
Otsuka K , Murakami M, Goto S, Sato A, Sawatani T, Lefor A, Kusano M  
94<sup>th</sup> American Colledge of Surgeon, USA, 2008
3. Significance of Surgical Treatment For Tumors Recurring After VATS-E For STAGE IV A-Esophageal cancer  
Otsuka Koji, Murakami Masahiko, Gotoh Satoru, Satoh Atsushi, Sawatani Tetsuo, Ariyoshi Tomotake, Kusano Mitsuo 11th World Congress of Endoscopic Surgery , December 2009.
4. Video-assisted Thoracoscopic Esophagectomy for Esophageal Cancer  
Otsuka K , Murakami M, Goto S, Sato A, Aoki T, Tajima Y, Kato T  
95<sup>th</sup> American Colledge of Surgeon, 2009
5. Video-assisted Thoracoscopic Esophagectomy for Esophageal Cancer in elderly patients  
Otsuka Koji, Murakami Masahiko, Aoki Takeshi, et al. Annual Summer Meeting of the Egyptian Society of Surgeons, Alaxandoria, Egypt, September 30<sup>th</sup> –October 2<sup>nd</sup> , 2009
6. Video-assisted Thoracoscopic Esophagectomy for Esophageal Cancer  
Otsuka K , Murakami M, Goto S, Sato A, Aoki T, Kato T  
Endoscopic Laparoscopic Surgical Asociation, Singapore, 2011
7. Video-assisted Thoracoscopic Esophagectomy for Esophageal Cancer  
Otsuka K , Murakami M, Goto S, Sato A, Aoki T, Tajima Y, Kato T  
97<sup>th</sup> American Colledge of Surgeon, 2011
8. Benefits of CO2 Insufflation of Video-Assisted Thoracoscopic Esophagectomy for Esophageal Cancer with the Patients in Left Lateral Position.



Otsuka K , Murakami M, Goto S, Motegi K, Wada Y, Yamashita T, Ariyoshi T,  
Garrer H, Aoki T, Kato T  
98th American Colledge of Surgeon, 2012

9. Video-assisted thoracoscopic esophagectomy for esophageal cancer.

Otsuka K, Murakami M, Ariyoshi Y, Kohmoto M, Kato R, Yamashita T, Goto S,  
Watanabe M, Fujimori A, Aoki T, Kato T,  
European Association of Endoscopic Surgery, 2014

10. Our 700 cases operation of MIE

Otsuka K, Murakami M, Ariyoshi Y, Kohmoto M, Kato R, Yamashita T, Goto S,  
Watanabe M, Fujimori A, Aoki T ;  
The 1<sup>st</sup> International Fujian Forum on Chest Tumor Surgery and Palmar  
Hyperhidrosis Treatment Training Course in China 2014

11. Efficacy of artificial pneumothorax in thoracoscopic esophagectomy performed for  
esophageal cancer with the patient in the left lateral position

Otsuka K, Murakami M, Ariyoshi Y, Kohmoto M, Kato R, Yamashita T, Goto S,  
Watanabe M, Fujimori A, Aoki T  
102th American College of Surgeon 2015

12. Thoracoscopic esophagectomy in the left lateral decubitus position

Otsuka K, Murakami M, Ariyoshi Y, Kohmoto M, Kato R, Yamashita T, Goto S,  
Watanabe M, Fujimori A, Aoki T  
The 2nd International Forum on Chest Tumor Surgery Kunming and The 7th  
Chinese seminar on Palmar Hyperhidrosis 2016/12/08

13. Thoracoscopic esophagectomy in left lateral decubitus position

Otsuka K, Murakami M, Ariyoshi Y, Kohmoto M, Kato R, Yamashita T, Goto S,  
Watanabe M, Fujimori A, Aoki T  
Endoscopic and Laparoscopic Surgeons in Asia 2016

14. Thoracoscopic esophagectomy in left lateral decubitus position

Otsuka K, Murakami M, Ariyoshi Y, Kohmoto M, Kato R, Yamashita T, Goto S,  
Watanabe M, Fujimori A, Aoki T  
15<sup>th</sup> World Congress of Endoscopic Surgery 2016

## **Publications**

1. Intrathoracic Hernia after Total Gastrectomy.  
Tashiro Y, Murakami M, Otsuka K, Saito K, Saito A, Motegi K, Date H, Yamashita T,  
Ariyoshi T, Goto S, Yamazaki K, Fujimori A, Watanabe M, Aoki T.  
Case Rep Gastroenterol. 2016 May 19;10(1):1-6.
2. Routes for virtually guided endoscopic liver resection of subdiaphragmatic liver tumors.  
Aoki T, Murakami M, Fujimori A, Koizumi T, Enami Y, Kusano T, Matsuda K,  
Yamada K, Nogaki K, Wada Y, Hakozaki T, Goto S, Watanabe M, Otsuka K.  
Langenbecks Arch Surg. 2016 Mar;401(2):263-73.
3. Oxygenated Static Preservation of Donation after Cardiac Death Liver Grafts Improves Hepatocyte Viability and Function.  
Yu J, Murakami M, Aoki T, Jiang B, Jin Z, Koizumi T, Kusano M, Kamijo R,  
Miyamoto Y, Enami Y, Watanabe M, Otsuka K. Eur Surg Res. 2016;56(1-2):1-18.
3. [Upper G.I. Cancer. II. Endoscopic Surgery for Esophageal Cancer].  
Murakami M, Otsuka K, Goto S, yamazaki K, Ariyoshi T, Yamashita T, Date H,  
Motegi K, Kato R, Koumoto M, Saito A. Gan To Kagaku Ryoho. 2015  
Sep;42(9):1055-8. Japanese.
4. Skeletonization and Isolation of the Glissonian and Venous Branches in Liver Surgery With an Ultrasonic Scalpel Technology.  
Aoki T, Murakami M, Koizumi T, Enami Y, Koike R, Fujimori A, Kusano T, Matsuda K,  
Yamada K, Nogaki K, Watanabe M, Otsuka K, Gareer H, Kato T.  
Int Surg. 2015 Jun;100(6):1048-53.
5. Preoperative Tattooing for Precise and Expedient Localization of Landmark in Laparoscopic Liver Resection.

Aoki T, Murakami M, Koizumi T, Kusano T, Fujimori A, Enami Y, Matsuda K, Goto S, Watanabe M, Otsuka K. *J Am Coll Surg*. 2015 Nov;221(5):e97-e101.

6. Three-Dimensional Virtual Endoscopy for Laparoscopic and Thoracoscopic Liver Resection.

Aoki T, Murakami M, Koizumi T, Fujimori A, Gareer H, Enami Y, Koike R, Watanabe M, Otsuka K. *J Am Coll Surg*. 2015 Aug;221(2):e21-6.

7. The modified Altemeier procedure for a loop colostomy prolapse.

Watanabe M, Murakami M, Ozawa Y, Uchida M, Yamazaki K, Fujimori A, Otsuka K, Aoki T. *Surg Today*. 2015 Nov;45(11):1463-6.

7. Correlations between Extranodal Metastasis and Prognosis in Patients with Squamous Cell Carcinoma of the Esophagus.

Koji Otsuka, Masahiko Murakami, Yusuke Tajima, Kimiyasu Yamazaki, Satoru Goto and Tetsuo Sawatani. *Showa Univ J Med Sci* 24(3),219-229, Sep 2012

8. Sentinel node mapping guided by indocyanine green fluorescence imaging during laparoscopic surgery in gastric cancer.

Tajima Y, Murakami M, Yamazaki K, Masuda Y, Kato M, Sato A, Goto S, **Otsuka K**, Kato T, Kusano M. *Ann Surg Oncol*. 2010 Jul;17(7):1787-93.

9. Risk factors for lymph node metastasis from gastric cancers with submucosal invasion.

Tajima Y, Murakami M, Yamazaki K, Masuda Y, Aoki S, Kato M, Sato A, Goto S, **Otsuka K**, Kato T. *Ann Surg Oncol*. 2010 Jun;17(6):1597-604.

10. Intraoperative fluorescent imaging using indocyanine green for liver mapping and cholangiography.

Aoki T, Murakami M, Yasuda D, Shimizu Y, Kusano T, Matsuda K, Niiya T, Kato H, Murai N, **Otsuka K**, Kusano M, Kato T. *J Hepatobiliary Pancreat Sci*. 2010 Sep;17(5):590-4.

11. Laparoscopic Rectopexy Using the RADIUS Surgical System

Waseda Masahiro, Murakami Masahiko, Ariyoshi Tomotake, Sato Atsushi, Sawatani Tetsuo, Goto Satoru, **Otsuka Koji**, Kato Takashi, Tsunoda Akira,

Watanabe Makoto, Kaetsu Tsutomu, Oota Atsushi  
Asian Journal of Endoscopic Surgery. 2(3):e65, December 2009.

12. Significance of Surgical Treatment For Tumors Recurring After VATS-E For STAGE IV A-Esophageal cancer  
**Otsuka Koji**, Murakami Masahiko, Gotoh Satoru, Satoh Atsushi, Sawatani Tetsuo, Ariyoshi Tomotake, Kusano Mitsuo Asian Journal of Endoscopic Surgery. 2(3):e8,e9, December 2009.
13. Increase of Serum Squamous Cell Carcinoma Antigen Level during Preoperative Chemoradiotherapy Predicts Disease-free Survival in Patients with Resectable Esophageal Squamous Cell Carcinoma  
Tomotake ARIYOSHI, Masahiko MURAKAMI, Satoru GOTO, Atsushi SATO, **Koji OTSUKA**, Mitsuo KUSANO  
The Showa University Journal of Medical Sciences Vol. 21 (2009) No. 1 11-23
14. Cyst wall resection and ablation by hand-assisted laparoscopic surgery combined with argon plasma coagulator for huge hepatic cysts.  
Aoki T, Kato T, Yasuda D, Shimizu Y, Murai N, Sato A, Koizumi T, **Otsuka K**, Kusano T, Hayashi K, Murakami M, Kusano M.  
Int Surg. 2007 Nov-Dec;92(6):361-6.
15. Minimally invasive treatment of stomach cancer.  
**Otsuka K**, Murakami M, Aoki T, Tajima Y, Kaetsu T, Lefor AT.  
Cancer J. 2005 Jan-Feb;11(1):18-25. Review.
16. Quantification of Pain and Satisfaction Following Laparoscopic and Open Hernia Repair.  
Fujita, Fumihiko MD; Lahmann, Brian MD; **Otsuka, Koji MD**; Lyass, Sergey MD; Hiatt, Jonathan R. MD; Phillips, EdwardH. MD  
Archives of Surgery. 139(6):596-600, June 2004.
17. Cholecystectomy  
Fumihiko Fujita, **Koji Otsuka**, Luca Giordano and Edward H. Phillips  
Management of Laparoscopic Surgical Complications, 135-152, 2004

18. Exploration of the Common Bile Duct

Koji Otsuka, Fumihiko Fujita, Luca Giordano and Edward H. Phillips

Management of Laparoscopic Surgical Complications, 153-172, 2004

19. Detection of Nitric Oxide Generation by Electron Spin Resonance Spectroscopy after Partial Hepatectomy

Keitaro MITAMURA, Koji OTSUKA, Hirohisa KATO, Yuta ENAMI, Noriyuki MURAI, Takashi NIIYA, Takeshi AOKI, Yoshinori SHIMIZU, Kazue SATOH, Takashi TOBE, Seiji SHIODA, Mitsuo KUSANO

The Showa University Journal of Medical Sciences Vol. 15 (2003) No. 3 237-244

**Live Operation**

- Thoracoscopic Esophagectomy for esophageal cancer.

The 1<sup>st</sup> International Fujian Forum on Chest Tumor Surgery and Palmar Hyperhidrosis Treatment Training Course in China 2014

- Thoracoscopic Esophagectomy for esophageal cancer.

The 2nd International Forum on Chest Tumor Surgery Kunming and The 7th Chinese seminar on Palmar Hyperhidrosis 2016