

**Curriculum Vitae**

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<b>Country</b>	Japan
<b>Affiliation</b>	Dept. of Diagnostic and Interventional Radiology
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**Educational Background**

1996	Graduated Nara Medical University
1996-1998	Resident, General Radiology, Nara Medical University
1998-2000	Research fellow, Interventional Radiology, Aichi Cancer Center

**Professional Career**

2000.3 -	Assistant Professor, Dept. of Radiology, Nara Medical University
2009.7-	Invited Researcher, Dept. of Applied Medical Engineering, RWTH Aachen University, Germany
2010.5-	CIRSE fellow, Dept. of Radiology, Maastricht University Medical Center, Netherlands
2011.8 -	Assistant Professor, Dept. of Radiology, Nara Medical University
2014.4-	Lecturer, , Dept. of Radiology, Nara Medical University
2015.4-	Associate Professor, Dept. of Radiology, Nara Medical University
2022.2-	Professor and Chair, Dept. of Diagnostic and Interventional Radiology, Nara Medical University

**Research Field**

Interventional Radiology, Interventional Oncology, Embolization

Beyond the COVID-19 Pandemic, Enjoy the Collaboration and Innovation in GI Intervention!

- 1) Tanaka T, Iwamoto H, Fujihara M, Nishiofuku H, Masada T, Suzuki H, Koga H, Torimura T, Kichikawa K. Efficacy of a glass membrane emulsification device to form mixture of cisplatin powder with lipiodol on transarterial therapy for hepatocellular carcinoma. *Cardiovasc Intervent Radiol*. 2021 May;44(5):766-773.
- 2) Tanaka T, Nishiofuku H, Masada T, Fukuoka Y, Sato T, Tatsumoto S, Matsumoto T, Marugami N, Fujihara M, Kichikawa K. Drug Release Property of Lipiodol Emulsion Formed by Glass Membrane Emulsification Device for Transarterial Chemoembolization. *Cardiovasc Intervent Radiol*. 2020 Jan;43(1):135-139.
- 3) Tanaka T, Sato T, Nishiofuku H, Masada T, Tatsumoto S, Marugami N, Otsuji T, Kanno M, Koyama F, Sho M, Kichikawa K. Selective TACE with irinotecan-loaded 40  $\mu$ m microspheres and FOLFIRI for colorectal liver metastases: phase I dose escalation pharmacokinetic study. *BMC Cancer*. 2019 Aug 1;19(1):758.
- 4) Tanaka T, Masada T, Nishiofuku H, Fukuoka Y, Sato T, Tatsumoto S, Marugami N, Higashi S, Kichikawa K. Development of pumping emulsification device with glass membrane to form ideal lipiodol emulsion in transarterial chemoembolization. *Eur Radiol*. 2018 May;28(5):2203-2207.
- 5) Tanaka T, Nishiofuku H, Hukuoka Y, Sato T, Masada T, Takano M, Gilbert CW, Obayashi C, Kichikawa K. Pharmacokinetics and antitumor efficacy of chemoembolization using 40  $\mu$ m irinotecan-loaded microspheres in a rabbit liver tumor model. *J Vasc Interv Radiol*. 2014 Jul;25(7):1037-1044.e2.
- 6) Tanaka T, Nishiofuku H, Maeda S, Masada T, Anai H, Sakaguchi H, Kichikawa K. Repeated bland-TAE using small microspheres injected via an implantable port-catheter system for liver metastases: an initial experience. *Cardiovasc Intervent Radiol*. 2014 Apr;37(2):493-7.
- 7) Tanaka T, Maeda S, Nishiofuku H, Masada T, Sato T, Anai H, Sakaguchi H, Kichikawa K. An early-stage, non-hypervascular HCC successfully treated by superselective, bland transarterial embolization using 40- $\mu$ m microspheres (case report). *Anticancer Res*. 2014 Apr;34(4):1947-51.
- 8) Tanaka T, Isfort P, Braunschweig T, Westphal S, Woitok A, Penzkofer T, Bruners P, Kichikawa K, Schmitz-Rode T, Mahnken AH. Superselective particle embolization enhances efficacy of radiofrequency ablation: effects of particle size and sequence of action. *Cardiovasc Intervent Radiol*. 2013 Jun;36(3):773-82.
- 9) Tanaka T, Sho M, Nishiofuku H, Sakaguchi H, Inaba Y, Nakajima Y, Kichikawa K. Unresectable pancreatic cancer: arterial embolization to achieve a single blood supply for intraarterial infusion of 5-fluorouracil and full-dose IV gemcitabine. *AJR Am J Roentgenol*. 2012 Jun;198(6):1445-52.
- 10) Tanaka T, Nishiofuku H, Tamamoto T, Sho M, Anai H, Sueyoshi S, Sakaguchi H, Hasegawa M, Nakajima Y, Kichikawa K. Intra-arterial chemoinfusion prior to chemoradiotherapy with full-dose systemic gemcitabine for management of locally advanced pancreatic cancer (case report). *Anticancer Res*.

- 11) Tanaka T, Westphal S, Isfort P, Braunschweig T, Penzkofer T, Bruners P, Kichikawa K, Schmitz-Rode T, Mahnken AH. Microwave ablation compared with radiofrequency ablation for breast tissue in an ex vivo bovine udder model. *Cardiovasc Intervent Radiol*. 2012 Aug;35(4):914-20.
- 12) Tanaka T, Penzkofer T, Isfort P, Bruners P, Disselhorst-Klug C, Junker E, Kichikawa K, Schmitz-Rode T, Mahnken AH. Direct current combined with bipolar radiofrequency ablation: an ex vivo feasibility study. *Cardiovasc Intervent Radiol*. 2011 Jun;34(3):631-6.
- 13) Tanaka T, Günther RW, Isfort P, Kichikawa K, Mahnken AH. Pull-through technique for recanalization of occluded portosystemic shunts (TIPS): technical note and review of the literature. *Cardiovasc Intervent Radiol*. 2011 Apr;34(2):406-12.
- 14) Tanaka T, Yamamoto K, Sho M, Nishiofuku H, Inoue M, Sueyoshi S, Anai H, Sakaguchi H, Nakajima Y, Kichikawa K. Pharmacokinetic evaluation of pancreatic arterial infusion chemotherapy after unification of the blood supply in an animal model. *J Vasc Interv Radiol*. 2010 Jan;21(1):116-21.
- 15) Tanaka T, Isfort P, Bruners P, Penzkofer T, Kichikawa K, Schmitz-Rode T, Mahnken AH. Optimization of direct current-enhanced radiofrequency ablation: an ex vivo study. *Cardiovasc Intervent Radiol*. 2010 Oct;33(5):1028-32.
- 16) Tanaka T, Sakaguchi H, Sho M, Yamamoto K, Nishiofuku H, Nakajima Y, Kichikawa K. A novel interventional radiology technique for arterial infusion chemotherapy against advanced pancreatic cancer. *AJR Am J Roentgenol*. 2009 Apr;192(4):W168-77.
- 17) Tanaka T, Sakaguchi H, Anai H, Yamamoto K, Morimoto K, Tamamoto T, Kichikawa K. Arterial infusion of 5-fluorouracil combined with concurrent radiotherapy for unresectable pancreatic cancer: results from a pilot study. *AJR Am J Roentgenol*. 2007 Aug;189(2):421-8.
- 18) Tanaka T, Sakaguchi H, Anai H, Yamamoto K, Morimoto K, Nishiofuku H, Kichikawa K. Catheter position for adequate intra-arterial chemotherapy for advanced pancreatic cancer: evaluation with CT during arterial injection of contrast material. *J Vasc Interv Radiol*. 2004 Oct;15(10):1089-97.
- 19) Tanaka T, Arai Y, Inaba Y, Matsueda K, Aramaki T, Takeuchi Y, Kichikawa K. Radiologic placement of side-hole catheter with tip fixation for hepatic arterial infusion chemotherapy. *J Vasc Interv Radiol*. 2003 Jan;14(1):63-8.
- 20) Tanaka T, Inaba Y, Arai Y, Matsueda K, Aramaki T, Dendo S. Mediastinal abscess successfully treated by percutaneous drainage using a unified CT and fluoroscopy system (case report). *Br J Radiol*. 2002 May;75(893):470-3.
- 21) Tanaka T, Inaba Y, Arai Y, Matsueda K, Aramaki T, Dendo S. Case report: Hepatic arterial occlusion following infusion catheter placement: recanalization using the Palmaz stent (case report). *Br J Radiol*. 2001 May;74(881):448-51.