

1. Personal information

Surname **Van Hillegersberg**
Name Richard
Title(s) MD, PhD
Date of Birth March 31, 1966
Birth place Rotterdam
Nationality Dutch
Gender Male
Marital Status Married, 4 children



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Biosketch

Richard van Hillegersberg attended medical school in Rotterdam, the Netherlands. In 1990 he received a research grant from the Dutch Digestive Foundation, that enabled him to perform PhD research on the local treatment of liver metastases at the Department of Surgery, Erasmus MC in Rotterdam. In 1993 he received his PhD with honor. After obtaining his MD in 1994, he was a resident of Surgery in Rotterdam and was registered as general surgeon in 2000. From 2001-2002 he was a fellow of Surgical Oncology in the Academic Medical Center and Antoni van Leeuwenhoek Netherlands Cancer Center Amsterdam. Since 2003 he is appointed as staff surgeon at the University Medical Center Utrecht. From 2009 he is a full professor of gastrointestinal oncology and program leader of the GI-Oncology department. From 2016 he is board member of the UMC Cancer Cancer and head of the department of Surgical Oncology. His clinical interest is upper gastrointestinal tract surgery. Research is focused on minimally invasive and robotic surgery, surgical imaging and genetic profiling. He has authored and co-authored over 250 articles in international peer-reviewed journals. He is past president of the Dutch GI Surgical Association, past board member of the Dutch Surgical Association, past board member of the Dutch Society for liver surgery, president of the European Digestive Surgery, Chairman Dutch Upper GI Surgery Working Group and member of the permanent Scientific committee OESO World Organisation for Specilised studies on diseases of the esophagus.



2. Academic education and degrees

1978-1984	Atheneum B, Scholengemeenschap Montessori Lyceum Rotterdam.
1984-1989	MSc Medicine, Erasmus University Rotterdam.
1990- 1992	PhD student, department of surgery, Erasmus MC Rotterdam.
1993	October 13, PhD thesis, <i>Cum Laude</i> . "Laser treatment for liver metastases: thermal and photodynamic therapy". Prof. dr. O.T. Terpstra, Dr W.J. Kort, department of surgery, Erasmus University Rotterdam.
1994	April 15, Medical Degree, Erasmus University Rotterdam.
1994	Surgical resident, Erasmus MC Rotterdam, Prof. dr. J. Jeekel.
1995-1998	Surgical registrar, Erasmus MC Rotterdam, Prof. dr. H.A. Bruining.
1998-2001	Surgical registrar, Ikazia Hospital Rotterdam, Dr H.F. Veen.
2001	January 1, Registration as Medical Specialist in General Surgery.

3. Appointments

2001-2002	Clinical fellow surgical oncology, Academic Medical Center Amsterdam, Prof. dr. J.J.B. van Lanschot.
2002-2003	Clinical fellow surgical oncology, Antoni van Leeuwenhoek Hospital, Amsterdam, Prof. dr. B.B.R. Kroon.
2003-2009	Staff surgeon, department of surgery, University Medical Center Utrecht.
2009-present	Professor of Gastro-intestinal surgical oncology, University Medical Center Utrecht. Inauguration speech, February 12, 2010 "Less is More" (36 pp.). Program leader on GI Oncology, Trainer for Gastrointestinal surgical fellows
2016-present	Member Board of Cancer Center, Education and Research, UMC Utrecht
2016-present	Head of the department of Surgical Oncology
2016-present	Chair Comprehensive Cancer Network Utrecht "UNIEK"

4. Size and composition of own research group

Program leader of the Upper GI research group, supervising 6 PhD students who are working on experimental and clinical studies on oesophageal and gastric cancer:

1. Clinical studies on robotic thoracoscopic oesophageal resection for cancer
2. Genetic profiling and identification of genetic markers for assessing outcome after surgical and non-surgical treatment for oesophageal cancer.
3. MRI imaging and radiotherapy planning of patients with esophageal cancer
4. Reducing pulmonary complications by vagus nerve sparing. Anatomical and nutritional studies.
5. Preconditioning and fast track rehabilitation of patients undergoing an esophageal resection.
6. Minimally invasive gastrectomy and methods of treating patients with cardia carcinoma

National collaboration:

Dr. M.I. van Berge Henegouwen, Department of Surgery, Academic Medical Centre, Amsterdam
Dr. B. Wijnhoven, department of Surgery, Erasmus MC, Rotterdam.
Dr. G. Nieuwenhuijzen, department of Surgery, Catharina Hospital, Eindhoven
Dr. M. Luyer, department of Surgery, Catharina Hospital, Eindhoven
Prof. dr. M. Cuesta, department of Surgery, VU Medical Center, Amsterdam



Prof. dr. E.P.J.G. Cuppen, Genetics lab, UMC Utrecht
Prof. dr. H. Clevers, Hubrecht Institute, Utrecht
Prof. dr. P.D. Siersema, department of Gastroenterology, UMC St Radboud, Nijmegen
Prof. dr. G. Folkerts, Utrecht Institute for Pharmaceutical Science, University of Utrecht
Prof. dr. J. Garssen, Director Platform Immunology, Danone Research - Centre for Specialised Nutrition, Wageningen
Prof. dr F. Backx, department of Sports Medicine, UMC Utrecht
Dr. S. Mook, department of Radiotherapy, UMC Utrecht
Dr. N. Haj Mohammad, department of Oncology, UMC Utrecht
Dr. L. Brosens, department of Pathology UMC Utrecht
Prof. dr. P.J. van Diest, department of Pathology UMC Utrecht
Prof. dr. J. Offterhaus, department of Pathology UMC Utrecht

International collaboration:

Prof.dr. T. Lerut and Dr. P. Nafteux, Department of Thoracic Surgery, Catholic University of Leuven, Belgium
Dr. Steven de Gendt, department of surgery, Aalst, Belgium
Dr. Ed Cheong, University of Norfolk and Norwich, UK
Dr Peter Grimminger, University of Mainz, Germany
Dr Asif Chaundry, Royal Marsden Hospital, UK
Prof dr Christine Bruns, University Hospital of Koln, Germany
Prof Ricardo Rossati, university Hospital Milano, Italy
Prof Magnus Nilson, Karolinska Institute, Stockholm, Sweden
Prof John Reynolds, Trinity College, Dublin, Ireland
Dr Jari Rasanen, University Hospital Helsinki, Finland
Prof Tim Underwood, University of Southampton, UK

Program leader of the HPB local ablation research group, supervising 3 PhD students who are working on experimental and clinical studies on Liver metastases and pancreatic cancer:

1. Treatment of irresectable pancreatic cancer with RFA thermal ablation. Clinical phase II trial and animal experiments
2. The value of resection of non-colorectal liver metastases.
3. Combined RFA and Yttrium embolization of irresectable liver metastases

National collaboration:

Prof.dr. T. Ruers, department of surgery, Antoni van Leeuwenhoek Hospital, Amsterdam

International collaboration

Prof. R. Adam, department of surgery, Centre Hepatobiliaire Paul Brousse, Paris, France

5. Short description of current research

My clinical work is focussed on malignant diseases of the upper gastrointestinal tract. Research contains all aspects of optimising the surgical treatment for patients with upper GI cancer. This includes MRI imaging and radiotherapy planning, genetic profiling of oesophageal cancer, preconditioning of surgical candidates, minimally invasive robotic surgery, developing vagal nerve sparing operating techniques.



Another research topic is the local RFA ablation of solid hepatic and pancreatic tumors. This consist of preclinical studies as well as clinical trials

6. Co-investigator research projects

- 1986-1987 Influence of previous information of on the diagnosis infarction of internal capsula on brain CT scans. Co-investigators. B. Bonke, dept. Medical Psychology, P.J. Koudstaal, Dept Neurology, Erasmus MC Rotterdam.
- 2004-2010 Principal investigator. Sentinel node biopsy in colon cancer and imaging of liver metastases". 2006-2007: Exchange project with Prof.Dr. R. Adam. Institute Paul Brousse, Paris.

7. Research Grants and Awards

- 1990-1992 Principle investigator. Treatment of liver meatstases with laser, Erasmus University Rotterdam. Project leader. *Nederlandse Lever Darm Stichting (NLDS); WS 89-14. Eu 120.000*
- 1996-1998 Principle investigator. Ablation of Barrett'se oesophagus with photodynamic therapy after 5-aminolevulinic acid. Erasmus University Rotterdam. *Nederlandse Lever Darm Stichting (NLDS); WS 95-10. Eu 120.000*
- 1995-1998 Principle investigator. Interstitial lasercoagulation for liver metastases MRI thermography guided. *Revolving Fund AZR. Eu 25.000*
- 1996 Principle investigator. Short and long term outcome of interstitial laser coagulation with multiple fibers. *Stichting Gastrostart. Eu 15.000*
- 1998-2002 Principle investigator. Endovascular photodynamic therapy to prevent intimal hyperplasia after vascular interventions. *Nederlandse Hartsctichting (NHS) nr 97.181. Eu 250.000*
- 2001-2002 Member research group. POCATER, J pouch coloanale anastomose versus side to end coloanale anastomose na preoperatieve radiotherapie bij totale mesorectale excisie bij rectumcarcinoom. *Nederlandse Maag Lever Darm Stichting WS 2001-62. Eu 150.000*
- 2001-2007 Co-investigator. Lokale behandeling van Levertumoren. *Stichting Gastrostart, Klopperprijs Symposium Experimenteel Heelkundige Specialismen 2001.*
- 2003-2007 Co-investigator. Is angiogenesis the key to more effective local treatment of liver metastases by interstitial thermal ablation? *AGIKO project NWO. Eu 150.00*
- 2003-2007 Co-investigator. Ischemia and reperfusion injury in the treatment of liver metastases". *AGIKO project NWO. Eu 150.000*
- 2003-2009 Co-investigator. Stategies to improve the outcome of esophagectomy in esophageal cancer. *MDPhD project UMCU. Eu 120.000*

2005-2009	Principal investigator. Local ablation of patients with T1 breast cancer. <i>Unrestricted Grant Olympu. Eu 40.000</i>
2005-2010	Principle investigator. Multicenter RCT HEPATICA studie. Hepatic resection followed by adjuvant treatment in colorectal liver metastases. <i>Unrestricted Investigational grants van Sanofi-Aventis en Roche Eu 1.2000. CKTO KWF. WBSO subsidie(CX1T,2007). Eu 500.000</i>
2006-2008	Principle investigator. RCT in Cytokine production related to desufflation of one lung in minimally invasive esophagectomy. <i>IKMN bourse. Eu 20.000</i>
2006-2011	Principle investigator. ZonW Multicenter gerandomiseerde trial "Radioguided occult lesion localisation in patients with non-palpable breast cancer. Clintrial.gov: NCT00539474. ZonW en IKMN beurs (80-00702-98-037). Eu 383.000
2006-2012	Principle investigator. Optimalisatie van imaging focale lever laesies. <i>Unrestricted Grant Bayer. Eu 120.000</i>
2008-2009	Principle investigator. Safety and Feasibility of TachoSil®: Application on Esophageal Anastomoses (SAFE-T).ClinTrial.gov: NCT02105506. Unrestricted Grand Nycomed. Eu 20.000
2010-2016	<i>Principle investigator. Radiofrequency ablation of locally advanced pancreatic cancer. ClinTrial.gov: NCT01628458. NWO Mozaïek beurs. Eu 250.000</i>
2011-2016	Principle investigator. Somatostatin for RFA of pancreatic cancer animal model studies. <i>Unrestricted Grant Novartis. Eu 120.000</i>
2011-2016	Principle investigator. Robot-assisted Thoraco-laparoscopic Esophagectomy Versus Open Transthoracic Esophagectomy (ROBOT). ClinTrials.Gov: NCT01544790
2011-2016	Principle investigator. Preoperative Inspiratory Muscle Training in Esophageal Resection (PREPARE). ClinTrials.Gov: NCT01893008. Catherlijne Stichting. Eu 120.000
2012-2015	Principle investigator. Project non-colorectal liver metastases. <i>NWO Mosaic beurs. Eu 250.000</i>
2013-2016	Principle investigator. Radioembolization for Colorectal liver Metastases after Ablation. <i>MDFD Suerman program grant. Eu 100.000.</i>
2014	European Society of Surgical Oncology fellowship grant for fellow Aristoteles Kechagias, Greece, May 1,till July 1, 2014.
2014	Intuitive Surgery: Susanne van der Velden, fellow Robotchirurgie <i>Eu 75.000.</i>
2014-present	Principle investigator. Cost effectiveness of laparoscopic gastrectomy as an alternative to open gastrectomy for gastric cancer (LOGICA trial). ClinTrial.gov: NCT02248519. <i>ZonMw (837002502) Eu 400.000</i>

2014-present Principle investigator. Esophagectomy for Patients With Esophageal Cancer and Cervical Lymph Node Metastases (NODE trial). ClinTrial.gov: NCT02426879

2017-present Principle investigator. Cytoreductive Surgery and Intraperitoneal Chemotherapy for Stomach CAncer: a Feasibility Study (CISCA). ClinTrial.gov: NCT03150628

Promotorships of PhD thesis: 16
Bookchapters: 5
Publications: 331