

M. Carmen Rubio Rodríguez

Radiation Oncologist



Date of birth
October 11th, 1966
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Languages

Spanish (Native)
English (Advanced)

Academic background

1984-1990- Degree in Medicine and Surgery, University of Salamanca, Spain
1998- PhD Degree in Medicine, University of Salamanca
1992-1995- Residency training in Radiation Oncology, University Hospital. Doce de Octubre, Madrid, Spain

Complementary clinical training:

1994- Hospital Royal Marsden, London, UK
2001- Memorial Sloan Kettering Cancer Center, New York, USA

Clinical Experience

1996-2000 Attending radiation oncologist, Radiosurgery Unit, San Francisco de Asís, IMO, Madrid.

1996-2000 Attending radiation oncologist, Fundación Jiménez Díaz, Madrid.

Since 2006 Head of Radiation Oncology Department, University HM Hospitales (Sanchinarro-Puerta del Sur) Madrid

Clinical areas of interest

Broad clinical experience on advanced radiation oncology techniques: Stereotactic Radiosurgery, SBRT, IMRT, VMAT and IGRT and SGRT. Specific clinical interest on brain, liver, lung, pancreatic and prostate tumors and oligometastatic patients.

Academic Experience

2010-2015 Tutor de Radiation Oncology Residents in HM Hospitales. (2010-2015)

Since 2008 Assistant Professor at the University of Madrid, CEU San Pablo- School of Medicine.

Director of PhD Dissertations, and Final Medical Degree Projects

Teacher of numerous Master's Degrees: International Master of Radiosurgery at Complutense University of Madrid, International Master of Clinical Oncology and International Master of Radiosurgery SBRT at Francisco de Vitoria University, Madrid and Online Master of Radiation Oncology, Tech University.

Since 2018 ESTRO School Teacher and since 2019 Co-Chair of IMRT/VMAT and other conformal techniques Course of ESTRO.

Since 2020, Director of Advanced Radiation Oncology Investigation Chair, Catholic University of Murcia (UCAM) and HM Research Foundation.

Teacher and Director of numerous Courses and Conferences.

Numerous presentations and communications in national and international Conferences and Symposiums

Research experience

Participation as PI and Co-PI in numerous national and international clinical trials and research projects

Since 2021- Vicepresident of SEOR (Spanish Radiation Oncology Society)
2011-2015- Treasurer of SEOR (Member of the Board of Directors of SEOR)
2011-2015- Coordinator of SBRT Spanish Group of SEOR
2012-2016- Member of the Board of Directors of the Spanish Society of Radiosurgery (SER)
Member of SEOR since 1993
Member of ESTRO since 1998

Director of PhD Research Projects

- Verification of IMRT treatments by the calculation of the distribution of absorbed doses in the anatomy of patients. Juan María Pérez Moreno (2015).
- Treatment of lung and liver metastases with SBRT and respiratory Gating. Ovidio Hernando Requejo (2016).
- Impact of the therapeutical approach on the quality of life of patients with endometrial cancer. Sara Tato Varela (2016).
- Analysis and evaluation of the radiological response of liver metastases treated with SBRT. María Allona Krauel (2017).
- Radiological evaluation of brain metastases treated with stereotactic radiosurgery. Ana Ortiz de Mendivil Arrate (2017).
- Contribution of IMRT to the neoadjuvant treatment of locally advanced pancreatic adenocarcinoma. Almudena Rodríguez Gutiérrez (2017).
- Accelerated partial irradiation of breast cancer (APBI) with SBRT and Exactrac Adaptive Gating in patients with good prognostic breast cancer. Guillermo Potdevin Stein (2017).
- Evaluation of intrafraction movement during the treatment of lung, liver, pancreas and breast tumors with SBRT and respiratory Gating. Juan García Ruiz-Zorrilla, Juan (2017).
- Clinical implications of dose calculation algorithm on the treatment of lung lesions by SBRT with intrafraction control during respiratory movement. Daniel Zucca Aparicio. (2019).
- SBRT as a neoadjuvant and radical treatment of borderline and locally advanced pancreatic cancer. Xin Chen Zhao (2021).

Publications

- Risk analysis associated with the use of the VMAT technique vs. 3DCRT in breast treatments with axillary and supraclavicular lymph nodes. *Rev Fis Med* (2021).
- Constraint Analysis and Bladder Wall Low-Dose-Constraint Reduction in Five-Fraction Urethra-Sparing Prostate SBRT. *International Journal of Medical Physics, Clinical Engineering and Radiation Oncology* (2021).
- Comparison between RECIST 1.1, Choi and PERCIST 1.0 criteria to evaluate response to SBRT of liver metastasis. *AME Medical Journal* (2021)
- Radiotherapy CT-based contouring atlas for non-malignant skeletal and soft tissue disorders: a practical proposal from Spanish experience. *Br J Radiol* (2021).
- Could pulmonary low-dose radiation therapy be an alternative treatment for patients with COVID-19 pneumonia? Preliminary results of a multicenter SEOR-GICOR nonrandomized prospective trial (IPACOVID trial). *Strahlenther Onkol.* (2021) Low-dose radiation therapy for hand osteoarthritis: shaking hands again? *Clin Transl Oncol* (2021).
- Cross-sectional study on the impact of age, menopause and quality of life on female sexual function. *J Obstet Gynaecol* (2021).
- Recommended procedures and responsibilities for radiosurgery (SRS) and extracranial stereotactic body radiotherapy (SBRT): report of the SEOR in collaboration with the SEFM. *Clin Transl Oncol.* (2021)
- SEOR SBRT-SG survey on SRS/SBRT dose prescription criteria in Spain. *Clin Transl Oncol* (2021).
- Risk analysis associated with the use of the VMAT technique vs. 3DCRT in breast treatments with axillary and supraclavicular lymph nodes. *Rev Fis Med* (2021)
- Moderate hypofractionated post-prostatectomy radiation therapy is feasible and well tolerated: experience from a single tertiary cancer centre. *Clin Transl Oncol* (2021)
- Radiation therapy with curative intention in men with de novo metastatic prostate carcinoma: shoot 'em all! *Reports of Practical Oncology and Radiotherapy* (2021).
- Lung Adenocarcinoma during Pregnancy: 11-Year Follow-Up. *Case Rep Oncol* (2020).
- Low dose anti-inflammatory radiotherapy for the treatment of pneumonia by covid-19: A proposal for a multi-centric prospective trial. *Clin Transl Radiat Oncol* (2020).
- Once-a-week or every-other-day urethra-sparing prostate cancer stereotactic body radiotherapy, a randomized phase II trial: 18 months follow-up results. *Cancer Med* (2020).
- Urethra-Sparing Stereotactic Body Radiation Therapy for Prostate Cancer: quality Assurance of a Randomized Phase 2 Trial. *International journal of radiation oncology biology physics* (2020).
- Retroperitoneal soft-tissue sarcomas: Radiotherapy experience from a tertiary cancer center and review of current evidence. *Rep Pract Oncol Radiother* (2020).
- Radiotherapy for osteoarticular degenerative disorders: When nothing else work. *Osteoarthritis and Cartilage Open* (2020).
- Perioperative high-dose-rate brachytherapy (PoHDR) in the multidisciplinary management of adult soft tissue sarcomas: a realistic alternative for a moderate radiotherapy dose escalation. *J Radiat Oncol* (2020).
- Postmastectomy radiation therapy in early breast cancer: Utility or futility?. *Crit Rev Oncol Hematol* (2020).
- A prospective observational study of the clinical and pathological impact of stereotactic body radiotherapy (SBRT) as a neoadjuvant strategy of chemoradiation in pancreatic cancer. *Clin Transl Oncol* (2020).
- Endoscopic ultrasound-guided fiducial placement in pancreatic tumors: safety and technical feasibility. *Rev Esp Enferm Dig* (2019).
- Multidisciplinary management of liver metastases in patients with colorectal cancer: a consensus of SEOM, AEC, SEOR, SERVEI, and SEMNIM. *Clin Transl Oncol* (2019).
- Precision radiotherapy for metastatic spinal cord compression: Final results of the PRE-MODE Trial. *International Journal of Radiation Oncology Biology Physics Nov* (2019).
- Radiotherapy for metastatic spinal cord compression with increased radiation doses (RAMSES-01): a prospective multicenter study. *BMC Cancer* (2019).
- Neoadjuvant Chemoradiation for Unfavourable Breast Cancer Patients: A Prospective Cohort Study. *J Clin Trials* (2019).
- Local control rates in stereotactic body radiotherapy (SBRT) of lung metastases associated with the biologically effective dose. *Reports of Practical Oncology and Radiotherapy* (2019).
- Image guided SBRT for multiple liver metastases with Exactrac® Adaptive Gating. *Rep Pract Oncol Radiother* (2017).
- Phase II Trial of Target-guided Personalized Chemotherapy in First-line Metastatic Colorectal Cancer. *Am J Clin Oncol* (2016).
- A prospective pilot study of target-guided personalized chemotherapy with intensity-modulated radiotherapy in patients with early rectal cancer. *Am J Clin Oncol* (2014).
- Complete pathological responses in locally advanced rectal cancer after preoperative IMRT and integrated-boost chemoradiation. *Strahlenther Onkol* (2014).
- Tratamiento de lesiones pulmonares mediante radioterapia estereotáxica extracraneal tras colocación guiada por tomografía computarizada de marcador visicoil. *Experiencia inicial. Radiología* (2013).
- Provision of palliative care and pain management services for oncology patients. *Journal of the National Comprehensive Cancer Network* (2013).
- Extracranial stereotactic body radiotherapy. Review of main SBRT features and indications in primary tumors. *Rep Pract Oncol Radiother* (2013).
- Multidisciplinary approach of colorectal liver metastases. *Clin Transl Oncol* (2011).
- Institutional experience on the treatment of lung and liver lesions with stereotactic body radiotherapy and Novalis Exactrac Adaptive Gating technique. *J Radiosurg SBRT* (2011).
- Consensus on the treatment of pancreatic cancer in Spain. *Clin Transl Oncol* (2009).