

Results. After a follow up 3 years from the end of radiotherapy treatment, the patient is free of disease and asymptomatic.

Conclusion. Our outcomes are similar to the little published data in the literature, where the authors describe the advantage of postoperative radiotherapy treatment by local control with doses between 50 and 60 Gy.

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Assessment of program “Carrito Don Amable”: Beneficiaries, volunteers and health professionals

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Introduction. “Carrito Don Amable” is a volunteer program of Spanish Association Against Cancer (AECC). It began on the 16th of January 2012 in the Radiation Oncology Service of Meixoeiro Hospital of the University Hospital Center of Vigo (CHUVI) with two main purposes: the humanization of the hospital assistance and taking care of the needs of patients and their families that are not met under the healthcare scope. In this study the global quality assessment of the program takes into account its beneficiaries (patients and relatives), volunteers and health professionals.

Objective. Analyzing the quality of the program “Carrito Don Amable” of the AECC, implemented in the Radiation Oncology Service of the CHUVI. This study shall include the various agents involved to make an overall assessment to identify the existing gaps between patients and relatives, volunteers and health professionals.

Method. The Importance Performance Analysis (IPA) is a quality assessment technique based on the analysis of expectation together with the assessment of the attributes of the applicable service. IPA will make possible to comparatively evaluate the expectations and assessments of the parties involved in program (patients and relatives, volunteers and health professionals) through a representative sample of interviews of all them.

Results and conclusions. The results in this study will be devoted to the review of achievements and gaps of the AECC volunteer program, “Carrito Don Amable”, and to the discussion of proposals for future. They also could show significant differences between the expectations of the three assessed populations as well as in valuations on the attributes that define the program evaluated.

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Bilateral abdominal neuroblastoma patient in 18 months: Treatment planning

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Neuroblastoma accounts for 15% of the tumors in the first 4 years of life, 90% are diagnosed in the early years of life. With two incidence peaks one year before the other between 2 and 4 years arise along the sympathetic nervous system, from primitive stem cells derived from the neural crest, histological subtype relates differentiation models SNC; 65% abdominal and subdivided according to histological type and clinical manifestations depend on the site affected.

Case report. Girl of 18 months with intermittent fever, diarrhea, abdominal ultrasound with left adrenal mass, biopsy confirmed in undifferentiated neuroblastoma with N-myc amplification. In TAC: masaretroperitoneal in left adrenal necrosis zones includes the aorta and the left kidney, right adrenal mass in another. Start treatment as NBL1ESIOP, with subsequent decrease of both masses, left tumor is removed without the MIBG uptake. With normal right adrenal. Radiotherapy was performed with curative intent surgical bed level and location of mass prior to treatment, and where it was located right adrenal mass preserving ipsilateral kidney retaining a total of 21 Gy.

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Cancer associated fibroblasts on irradiated bed

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Introduction. Tumor microenvironment (TME) has a profound influence in tumors modulation and contributes in their development. Many of these features are attributed to activated fibroblasts, so-called myofibroblasts, which acquire the expression of smooth muscle actin (SMA). Many other studies show that radiation can increase fibroblast differentiation.

Purpose. To asses the influence of myofibroblast in experimental tumor development.

Materials and methods. We have implanted melanoma on a previously high dose irradiated tissue in a homogeneous population of mice, assessing tumor growth, describing changes in stroma and tumor vessels and comparing it with non-irradiated control cases.