

## Diagnosis

- Large size before they become symptomatics
- Incidentally diagnosed
- Abdominal or back pain
- Abdominal mass
- Bowel or uretral obstruction
- 70% in the abdomen
- 30% in the pelvis

## Introduction

- Rare tumors, incidence of less than 1 case per 100,000 inhabitants/year
- 10-15% of all soft-tissue sarcomas
- Age at presentation:50-65 years
- Liposarcoma is the most common histotype
- Long term pronostic is poor
- Surgery is the mainstay treatment





## Biopsy required ?!!!

- When radiological characteristics of retroperitoneal liposarcoma are not in doubt, a preoperative biopsy is not required
- But RPS accounts for only a third of retroperitoneal tumors

So biopsy is needed for most of cases





### Differential diagnosis Histologic subtypes and survival Metastatic testicular neoplasm (younger TABLE 2. Histologic Subtypes of Retroperitoneal Sarcomas mal patients)...tumors markers:a-No. (%) of Patients **Histologic Type** foetoprotein, $\beta$ -human chorionic 53 (55) Liposarcoma Leiomvosarcoma 25 (26) gonadotrophin Malignant fibrous histiocytoma 10 (10) Fibrosarcoma 5 (5) Malignant peripheral nerve sheath tumor 3 (3) Intra-abdominal lymphoma Extraskeletal osteosarcoma 1(1) Years since surgery Benign neurogenic tumours (schwannoma) FIGURE 2. Survival curves of patients by histologic subtype. Patients with leformyosarcomas (n = 22) had a worse survival as compared with patients with liposarcomas (n = 44); P = Renal cancer Operative Management of Primary Retroperitoneal 0.0001 Sarcomas Annats of Surgery . Volume 239, Number 2, February 2004 man Hassan, MD.\* Saming Z. Park, MD.\* John H. Domshar, Paul A. Koy, MD. PhD.? Antonic G. Superiorene, MD.? Danne M. Europe, MS;



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## ICV leiomyosarcoma





Before chemo

After 6 « adria-holoxan »







## Impact of surgical technique and surgical strategy Salety of Frontline Aggressive Surgery for RSTS FIG. 3 Overall serviced came Crude Cumulativ Incidence left) and cride cumulative neidence envices of abdominal and distant mearrance (right) 0.75 pen eraction, 5-year orient serviced (OS), and in Operative Management of Primary Retroperitoneal Snady period. No. of partition: Medi Sarcomas 1982-1997 25 A Reappraisal of an Institutional Experience Souther of al. 1905-1994 14 1975-2001 1975-1994 1975-1994 1982-288 1983-2994 1988-2994 1988-2802 Jerger Harrise, MD,\* Samer Z. Park, MD,\* Selles H. Doneshar, MD,\* David M. Nagarware, MD,\* Paul A. Kay, MD, PhD J. Annaire G. Nacciments, MD J. Cally D. Selleck, 852 and Duare M. Torop, MSJ. Anna's of Surgery + Volume 239, Number 2, February 2004



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How to do it

Soft firms

after surgery

Kupper's skin

Table 1: Incidence data (per 100,000) for sarcomas, 2000-2004.

N. of cases

Fred. %

Table 2: cases of local relapse after treatment in sarcoma patients with or without multidisciplinary co

Age stand, rat

World

Europe

8.1

Local relapse

## Pagressive Surgery in Retroperitoneal Soft Tissue Sarcoma Carried Out at High-Volume Centers is Safe and is Associated With Improved Local Control Syle Bowlow, MP, PhP, Rosaba Micel, PhP, Antia Bersell, MP, Sylvain Carseret, MP, Chara Colomb, B', Luig Mariani, MP, Haten Bouzaiene, MP, Ceite Le Péchoux, MP, Paolo Giovanni Casali, MP, Axed Le care, MP, Marco Fiore, MP, and Alessandro Gronchi, MP. <sup>1</sup> Optiment of Surgery, Institu Gustave Rousy, Villejit, France, <sup>2</sup>Department of Biostatistic, Istitu Nazional, Italy, <sup>3</sup>Department of Surgery, Istitu Sazionale Tunori, Milan, Italy, <sup>3</sup>Department of Raidoterapy, Iaguare Modeline, Istitu Cazionale Tunori, Milan, Italy, <sup>3</sup>Department of Raidoterapy, Iaguare Modeline, Istitu Cazionale Tunori, Milan, Italy, <sup>3</sup>Department of Raidoterapy, Iaguare Modeline, Istitu Cazionale Tunori, Milan, Italy, <sup>4</sup>Department of Raidoterapy, Iaguare Modeline, Istitu Cazionale Tunori, Milan, Italy, <sup>4</sup>Department of Raidoterapy, Iaguare Modeline, Istitu Cazionale Tunori, Milan, Italy, <sup>4</sup>Department of Raidoterapy, Iaguare Modeline, Istitu Cazionale Tunori, Milan, Italy, <sup>4</sup>Department of Raidoterapy, Iaguare Modeline, Istitu Cazionale Tunori, Milan, Italy, <sup>4</sup>Department of Raidoterapy, Iaguare Modeline, Istitu Cazionale Tunori, Milan, Italy, <sup>4</sup>Department of Raidoterapy, Iaguare Modeline, Istitu Cazionale, Istitu Cazionale, Tunori, Milan, Italy, <sup>4</sup>Department of Raidoterapy, Iaguare Modeline, Istitu Cazionale, Istitu Cazionale, Iaguare Modeline, Istitu Cazionale, <sup>4</sup>Department of Cancer Medicine, Istitu Cazionale, Istitu Cazionale, <sup>4</sup>Department of Raidoterapy, <sup>4</sup>Department of Cancer Medicine, Istitu Cazionale, <sup>4</sup>Department, <sup>4</sup>Departmenterapy, <sup>4</sup>Department, <sup>4</sup>Departmenterapy, <sup>4</sup>Departme