

# JOURNAL CLUB

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### Associated Findings and Complications of Retroperitoneal Fibrosis in 204 Patients: Results of a Urological Registry

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**Associação de Mudanças e Complicações em 204  
pacientes portadores de Fibrose Retroperitoneal  
Resultados de Registro Urológico**

# Pacientes / Métodos / Análises

· Período	Marco 2004 – Registro até 2008
· Pacientes: Homens	139m (68.1%) Mulheres 65 (39.1%)
· Idade média	55.6 a (26 – 81) a
· Confirmação histológica	123 (60.31%)
· Patologias autoimunes	9.8%
· Alt. Tiroideanas	3.4%
· Fumantes ativos	3.9%
· Registro do estudo	95 instituições
· Serviço / Publicação	45.1%

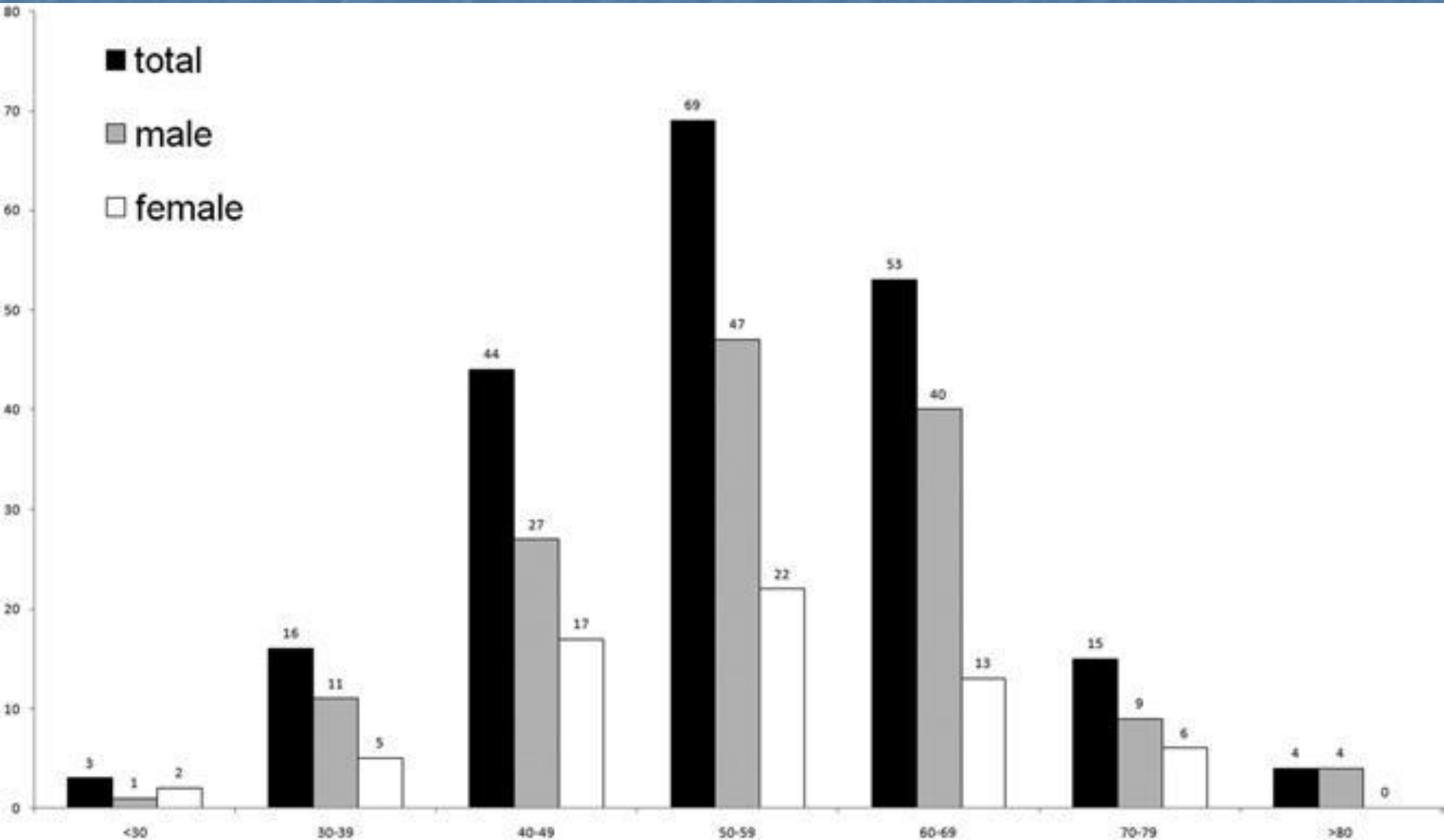
# Protocolo

- Exame físico completo / detalhado
- Rotina Laboratorial
- Estudos de imagens (CT, MRI)
- Análise de dados – Estatística  
Mann – Whitney U Test  
p. 0.05 – considerado significativo

# Protocolo

- Registro hospitalar
- Prontuário Completo
- Profissão / Atividade
- Tabagismo / Etilismo
- Sintomas clínicos evolutivos
- Qualidade de vida
  
- **Cerca de 200 questões respondidas**

# IDADE DOS PACIENTES





**Table 1. Associated findings in 204 patients**

	No. Pts (%)
Idiopathic	157 (77.0)
Smoking (172 respondents)	130 (75.6)
Hypertension	91 (44.6)
Malignancies:	31 (15.2)
Prostate	11 (5.4)
Lymphoma*	3 (1.0)
Ovary	3 (1.5)
Ureter*	3 (1.5)
Bladder	2 (1.0)
Renal cell Ca	2 (1.0)
Breast	2 (1)* (1.0)
Thyroid	1 (0.5)
Cervix*	1 (0.5)
Carcinoid*	1 (0.5)
Undifferentiated sarcoma*	1 (0.5)
Stomach*	1 (0.5)
Abdominal aortic aneurysm	22 (10.8)
Immune mediated disease:	20 (9.8)
Hashimoto's thyroiditis	8 (3.9)
Autoimmune phenomena without disease†	5 (2.5)
Unspecified vasculitis	3 (1.5)
Riedel thyroiditis	2 (1.0)
Graves disease	1 (0.5)
Wegener granulomatosis	1 (0.5)
Extended abdominal surgery	14 (6.9)
Thyroid hypofunction	13 (6.4)
Periaortic inflammation	12 (5.9)
Chemotherapy	8 (3.9)
Thyroid hyperfunction	7 (3.4)
Dupuytren disease	6 (2.9)
Rheumatism	6 (2.9)
Drug related fibrosis	4 (2.0)
Mediastinal fibrosis	3 (1.5)
Perforated sigma diverticulitis	3 (1.5)
Radiation therapy	3 (1.5)
Pancreatic pseudocysts	2 (1.0)
Pancreatitis	1 (0.5)
Panniculitis	1 (0.5)
Erdheim-Chester disease	1 (0.5)
Crohn disease	1 (0.5)
Raynaud disease	1 (0.5)
Pleural fibrosis	1 (0.5)
Pseudotumor orbitae	1 (0.5)

\* Malignancy found in fibrotic tissue.

† Positive direct Coombs' test, antinuclear antibody test positivity, hypocomplementemia, antineutrophil cytoplasmic antibody test positivity.

**Table 2. Major symptoms**

	No. Pts (%)
	<i>At onset*</i>
Pain:	
Back	114 (66.3)
Flank	114 (66.3)
Upper abdominal	43 (25.0)
Lower abdominal	47 (27.3)
Leg	35 (20.4)
Fatigue	91 (52.9)
Malaise/vomiting	55 (32.0)
Fever	34 (19.8)
Night sweats	48 (27.9)
Wt loss	63 (36.6)
	<i>Later in disease course†</i>
Hydronephrosis:	195 (95.6)
Bilat	114 (55.9)
Unilat rt	45 (22.1)
Unilat lt	36 (17.6)
Renal atrophy:	46 (22.5)
Bilat	4 (2.0)
Unilat	42 (20.6)
Vascular complication:	56 (27.5)
Lower extremity edema	34 (16.6)
Thrombosis/thrombophlebitis	10 (4.9)
Intestinal ischemia	7 (3.4)
Renal hilus impingement	5 (2.5)
Large bowel compression	4 (2.0)

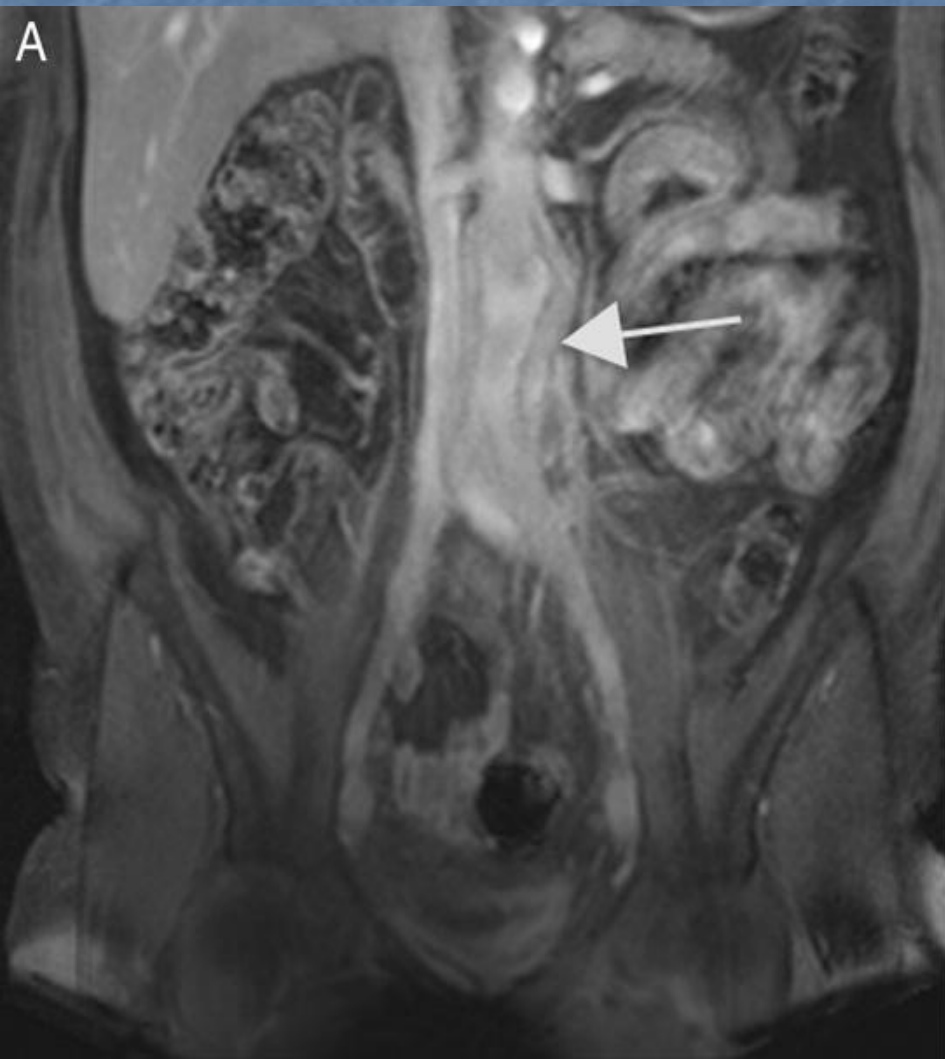
\* In 172 patients, multiple symptoms possible.

† In 204 patients.



**Figure 2.** Coronal reformation of abdominal CT displays RPF (arrow) with bowel compression leading to ileus.





# Procedimentos / Conduatas

· Monoterapia	123 pacientes
· Terapia Múltipla	41 pacientes
· Nenhuma terapia	12 pacientes
· Procedimentos cirúrgicos	87 pacientes /103 cirurgias

**Table 3. Treatment**

	No. Pts (%)
<i>Medical</i>	
Prednisone/prednisolone	100 (56.8)
Prednisolone      azathioprine	31 (17.6)
Tamoxifen	23 (13.1)
Prednisolone <b>tamoxifen</b>	4 (2.3)
Prednisolone      mycophenolate mofetil	4 (2.3)
Prednisolone <b>methotrexate</b>	2 (1.1)
No medical treatment	12 (6.8)
<i>Surgical</i>	
Ureterolysis:	49 (24.0)
<b>Bilat</b>	17 (34.7)
<b>Unilat rt</b>	17 (34.7)
<b>Unilat lt</b>	15 (30.6)
Including omentum wrapping	16 (32.7)
Nephrectomy	26 (12.7)
Biopsy only	12 (5.9)
Ureteral replacement with bowel	8 (3.9)
<b>Psoas hitch</b>	7 (3.4)
<b>Boari flap</b>	4 (2.0)
Colostomy	4 (2.0)
Ureteroureterostomy	3 (1.5)
Autotransplantation	1 (0.5)
Prosthetic pyelovesical bypass	1 (0.5)

In some of the 87 patients, treated surgically multiple procedures were performed.



# Fibrose Retroperitoneal

- Descrita Albarran em 1905
- Patologia rara
- Prevalência 1,3 / 100.000 habitantes
- Causa idiopática em 2/3 casos
- Evolução espectro inflamatório e imunológico
- Doenças malignas (31) Infecções, Traumas , Abdominais, Cirurgias Prévias(14) drogas, Irradiação Tb





**OBRIKADO !**