

# Overall, specific, and metastasis-free survival of Afro-Caribbean men with pathological **Gleason 6 prostate cancer.**

# MP19-06

Several studies in the Caucasian population have shown that patients with Gleason 6 prostate cancer, based on surgical specimens, have low or no risk of metastasis.

There is no data available in literature for men of African ancestry.

# **OBJECTIVES**

Estimate the overall, specific, and metastasis-free survival of p with a Gleason 6 score, based on the surgical specimen in an Caribbean population.

# PATIENTS AND METHODS

Monocentric retrospective study 723 consecutive patients Gleason 6 based on the surgical specimen Between January 2000 and March 2018 32 patients excluded for missing data (4,4%)

**Primary outcomes :** 

- Overall survival
- Specific survival
- Metastasis free survival

Secondary outcomes :

- Estimate biochemical recurrence free survival and salvage trea free survival
- Determine risk factors associated with biochemical recurrence salvage treatment

No metastasis or disease-specific death were seen in men with Gleason score ≤6 prostate cancer at radical prostatectomy in particular in men with African ancestry.

One of the main challenge for the next few years will be to detect for sure men with Gleason 6 prostate cancer, without upgrading on surgical specimens.

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## BACKGROUND

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		The specific s	urviva
		The bioch	emical
			The ra
	Table 1. Baseline characteristics	of all patients	
	Variables	Total	
	Number of patients (%)	691 (100%)	
		Median (range)	
	Age at surgery, y	64.1 (45.3-76.8)	
	PSA at diagnosis (ng/mL)	6.8 (1.0-53.2)	
	Follow-up, y	8.5 (0.2-19.1)	
	Time to BCR, y	5.1 (0.3-15.0)	
	Duration between surgery and	7.3 (0.3-18.0)	
	salvage treatment, y	Mumber MO	
	Clinical stage	Number (%)	
	T1	447 (64.7)	
	T2 Missing data	226 (32.7) 18 (2.6)	
	Biopsy ISUP score:		
	1 (≤ 6)	619 (89.6)	
	2 (3+4)	45 (6.5)	
	3 (4+3) 4 (8)	14 (2.0) 5 (0.7)	
	Missing data	8 (1.2)	
	Prostate specimen:		
	Pathological stage: pT2	620 (89.7)	
	pT3-pT4	71 (10.3)	
	Extracapsular extension (pT3a): No	641 (92.8)	
	Yes	50 (7.2)	
	Seminal vesicles invasion (pT3b): No	672 (97.3)	
	Yes	19 (2.7)	
	Positive surgical margins: No	549 (79.5)	
	Yes	142 (20.5)	
	Lymphadenectomy:		
	No Yes	621 (89.9)	
		70 (10.1)	
	Rinchomical conversion	577 (83.5)	
	Biochemical recurrence No	114 (16.5)	
		114 (10.5)	
	No Yes Salvage treatment		
	No Yes Salvage treatment No	601 (87.0)	
	No Yes Salvage treatment No Yes		
	No Yes Salvage treatment No Yes Death No	601 (87.0) 90 (13.0) 568 (82.2)	
	No Yes Salvage treatment No Yes Death No Yes	601 (87.0) 90 (13.0) 568 (82.2) 84 (12.2)	
	No Yes Salvage treatment No Yes Death No Yes Missing data	601 (87.0) 90 (13.0) 568 (82.2)	
	No Yes Salvage treatment No Yes Death No Yes	601 (87.0) 90 (13.0) 568 (82.2) 84 (12.2)	
	No Yes Salvage treatment No Yes Death No Yes Missing data Causes of death	601 (87.0) 90 (13.0) 568 (82.2) 84 (12.2) 39 (5.6)	

## CONCUSION

Guadeloupe is a French archipelago with about 90% of its population is of African descent.

### RESULTS

### Primary outcome :

Overall survival at 5 and 10 years is respectively 94.2% and 87.1%. al and the metastasis free survival are 100% with a median follow-up time of 8.5 years.

### <u>Secondary outcome :</u>

I recurrence rate is 16.5% with a median delay for biochemical recurrence of 5.1 years. ate of salvage treatment is 13.0% with a median time to surgery of 7.3 years.

oles	HR	95% CI	P value
e, y	1.00	0.98-1.03	.76
A (ng/mL)	1.06	1.03-1.09	<.0001
thological stage			
2 3 (a+b)	1.0 2.24	 1.41-3.54	 .0006
racapsular Invasion lo ïes	1.0 1.63	 0.93-2.85	 .09
ninal vesicles invasion No ′es	1.0 3.56	 1.73-7.31	 .0006
e margins	1.0 <b>2.18</b>	 1.47-3.23	 .0001
adenectomy			
	1.0		
Yes	2.00	1.27-3.16	.003

Table 3. Multivariate analyses of BCR risk factors					
Variables	HR	95% CI	P value		
PSA (ng/mL)	1.04	1.01-1.08	<.005		
Pathological stage pT2 pT3 (a+b)	1.0 1.60	 0.98-2.61	 .059		
Positive margins No Yes	1.0 1.73	 1.14-2.64	 .01		
Lymphadenectomy No Yes	1.0 1.40	 0.86-2.29	 .18		



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