# CarbOplatin in Metastatic castrate resistant Prostate Cancer: A retrospective study of heavily pre-treated patients (COMPACT)

Lara Pemberton<sup>1</sup>, Connor Allen<sup>2</sup>, Eleanor Handel<sup>3</sup>, Andrew Weickhardt<sup>4</sup>, Jeremey Shapiro<sup>5</sup>, Ben Tran<sup>2</sup>, Renea Taylor<sup>1</sup>, Gail P. Risbridger<sup>1</sup>, David W. Pook<sup>1,6</sup>

Prostate Cancer Research Program, Monash University, Melbourne, Victoria, Australia; <sup>2</sup> Peter MacCallum Cancer Centre, Melbourne, Australia; <sup>3</sup> Kinghorn Cancer Centre, St Vincent's Hospital, Sydney, NSW, Australia; <sup>4</sup>Olivia Newton-John Cancer Centre, Australia; <sup>5</sup>Medical Oncology, Cabrini Hospital, Melbourne, Victoria, Australia; <sup>6</sup>Department of Medical Oncology, Monash Health, Melbourne, Victoria, Australia

## BACKGROUND

Despite a lack of up-to-date clinical trial data, many clinicians advocate the use of Carboplatin monotherapy to treat patients with advanced Castrate Resistant Prostate Cancer (CRPC) who have exhausted other treatment options. At the 2017 APCCC, 96% of panellists voted for the use of carboplatin last line in selected CRPC patients<sup>1</sup>.

**Aim:** To determine the overall survival (OS) and response rate in patients with advanced CRPC treated with Carboplatin monotherapy after progressing on other chemotherapy agents

## METHODS



#### RESULTS



on Carboplatin was 67 days (range 15-418). 16 patients (31%) required a dose reduction/delay. 8 patients (15.6%) ceased Carboplatin secondary to side effects/ toxicity. Median overall survival (OS) was 29.4 weeks (IQR 11.7 weeks) (Fig. 2).

**Predictive value:** There was no significant difference in OS in patients with metastatic disease, higher gleason score at diagnosis or in those with a higher PSA prior to starting Carboplatin (**Fig. 3**).

Figure 3: Exploration of factors that may impact overall survival with Carboplatin monotherapy. Overall survival (OS) stratified by (A) Gleason score at diagnosis (p=0.57), (B) Localised vs metastatic disease at diagnosis (p=0.32) and (C) PSA when starting Carboplatin (PSA <100ng/ml vs PSA>100ng/ml at Carboplatin commencement (p=0.47).

#### CONCLUSION

In a minority of heavily pre-treated advanced prostate cancer patients, Carboplatin has a modest benefit with relatively low rates of toxicity.

Lara.Pemberton@monash.edu David.Pook@monash.edu

**References:** 



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