# **Measuring Up Once More!**

The average time with all-time differences in

consideration was -22 minutes in the department

The greatest time difference was in the Head and

Neck SCC Weekly Cisplatin chemoradiation group

8 of the 16 regimens were not comparable due to

regimens not being used within the pre/post period

6 of the 8 regimens showed a reduction in patient

time in the department in the post practice change

1 of the 8 regimens showed an increase in time in

There was an increase in time in the department in

the NSCLC Cisplatin & Etoposide chemo radiation

1 of the 8 regimens showed equal time in the

with -53 minutes change in the post practice change

Calvary

A clinical audit of chair time for patients receiving Cisplatin to identify if practice change improved institutional chair time

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#### Background

At the Calvary Mater Newcastle outpatient Day Treatment Centre, between 2019 and 2021, a clinical audit was undertaken to determine if urine measurement prior to Cisplatin administration decreased the risk of nephrotoxicity in patients receiving Cisplatin chemotherapy. Data revealed that there was no increase in nephrotoxicity from withholding urine measurement for patients receiving cisplatin with a dose of 60mg/m2 or greater. Based on this data, a practice change was implemented. Patient's receiving Cisplatin of 60mg/m2 or less were no longer required to have urine measurement prior to administration of Cisplatin.

A secondary clinical audit was undertaken, and pre and post data was analysed to determine if this change made a difference in chair time overall. Additional analysis was performed to compare the same regimens pre and post clinical practice change to highlight any differences between sub-groups.

Tumour Stream	Regimen	Time in hrs:mins	Time difference
Gynaecological	Endometrial Cisplatin chemoradiation	Pre: 5:21	- 11 mins
		Post: 5:10	
	Cervical Locally advanced SCC Cisplatin chemoradiation	Pre: 5:04	- 32 mins
		Post: 4:32	
	Vulval Cisplatin chemoradiation	Pre: 5:14	N/A
		Post: No comparison	
Head and Neck	Head and Neck SCC Weekly Cisplatin chemoradiation	Pre: 5:11	- 53 minutes
		Post: 4:18	
Respiratory	NSCLC Cisplatin & Docetaxel chemoradiation	Pre: 4:41	N/A
		Post: No comparison	
	NSCLC Cisplatin & Etoposide	Pre: 5:47	N/A
		Post: No comparison	
	NSCLC Cisplatin & Etoposide chemoradiation	Pre: 5:17	+ 24 minutes
		Post: 5:41	
	NSCLC Cisplatin & Vinorelbine	Pre: 4:06	N/A
		Post: No comparison	
	SCLC Cisplatin & Etoposide chemoradiation	Pre: 5:58	N/A
		Post: No comparison	
	SCLC Cisplatin & Irinotecan	Pre: 5:40	-33 minutes
		Post: 5:07	
Testicular	Testicular BEP	Pre: 4:26	-22 minutes
		Post: 4:04	
	Testicular EP	Pre: 4:29	equal
		Post: 4:29	
Upper Gastrointestinal	Biliary and Gallbladder Cisplatin & Gemcitabine	Pre: 4:39	-23 minutes
		Post: 4:16	
	Gastroesophageal Docetaxel, Cisplatin & Fluorouracil	Pre: 4:51	N/A
		Post: No comparison	
	Gastric and Oesophageal Cisplatin & Capecitabine	Pre: No comparison	N/A
		Post: 4:37	
Urogenital	Bladder Cisplatin with weekly RT	Pre: 5:44	N/A
		Post: No comparison	

Results

group

group

department

the department

with +24 minutes



## Reasons for delays

## . . . . .

Pre-practice change:

- 62 documented delays
  Most common documented delays:
  - Extra intravenous fluid required to achieve adequate urine output prior to cisplatin administration: N= 10
  - Required review by MO/NP: N=14
  - Diuretics for fluid overload: N= 10

Post-practice change:

- 19 documented delays
- Most common documented delays:
  - Required review by MO/NP: N=5
  - Required pre medications due to previous hypersensitivity: N=5

### Conclusion

Overall this practice change had positive outcomes to reduce patient time in the department.

With an average reduction of time of 22 minutes, this contributes to increased capacity for the department and less time spent in the department for patients.