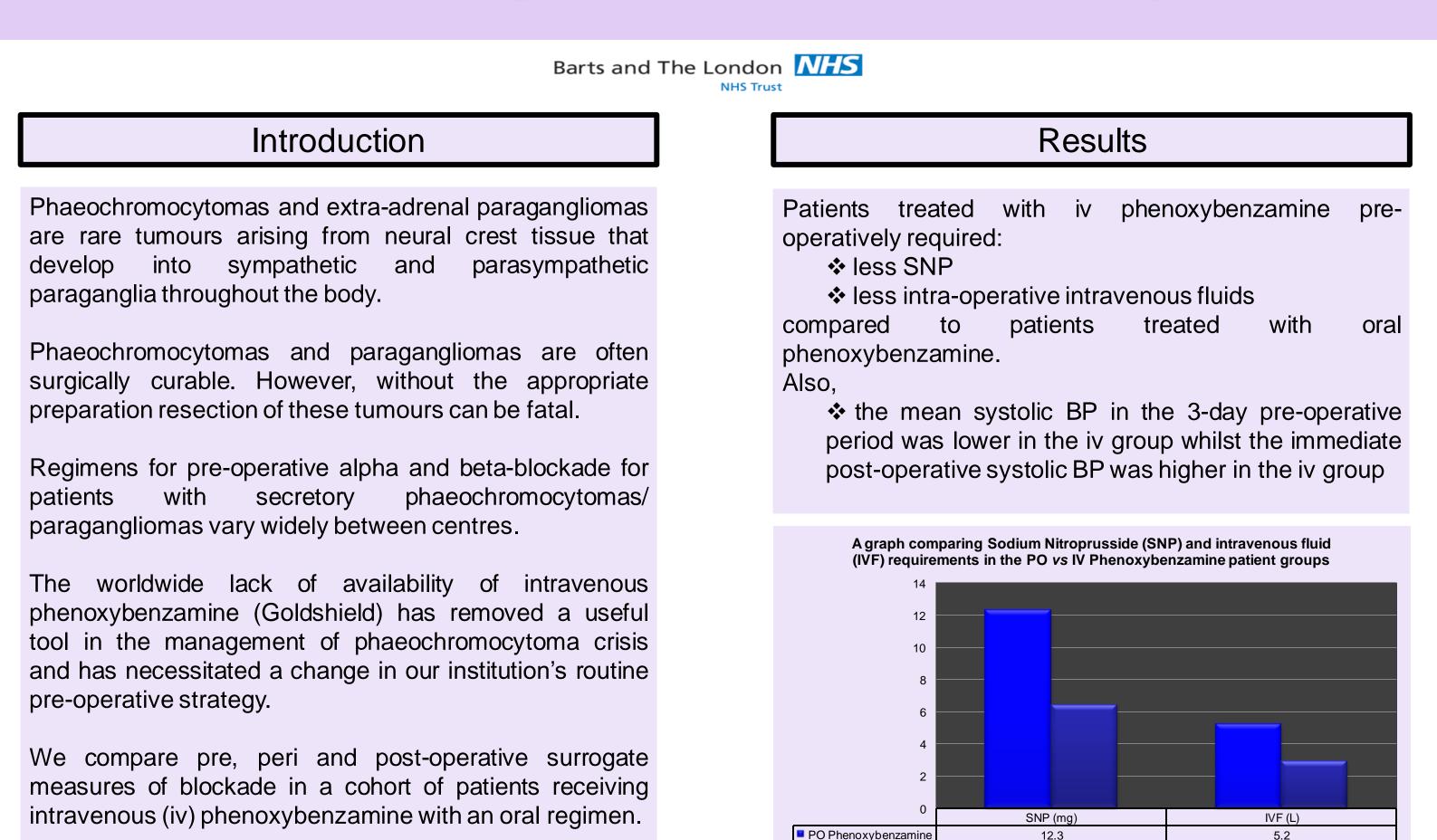
Peri-operative alpha-blockade: Efficacy of intravenous Phenoxybenzamine versus oral Phenoxybenzamine in patients with phaeochromocytoma and paraganglioma

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IV Phenoxybenzamine	6.4	2.9

5.2

Methods

We identified all the patients that underwent resection of secreting phaeochromocytoma catecholamine or paraganglioma at St Bartholomew's Hospital, London.

with phaeochromocytoma patients Of 41 or paraganglioma seen between 2009-2012, 19 patients were included in this retrospective audit.

The pre-, peri- and post-operative medical, surgical, nursing, anaesthetic and fluid balance records of all 19 patients were reviewed.

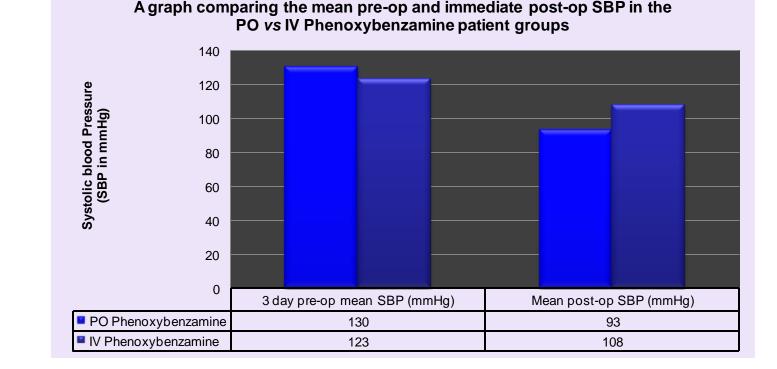
Patients were only included if the same surgeon (RAC) and anaesthetist (MA) were present.

Patients who required blood transfusions were excluded from this study.

patients alpha blockade All had with oral phenoxybenzamine for at least 3 weeks prior to surgery. In the immediate 3-day pre-operative period 5 patients had accelerated oral phenoxybenzamine therapy +/intravenous fluids and 14 patients had intravenous phenoxybenzamine +/- intravenous fluid.

We assessed intraoperative parameters of alpha blockade efficacy including requirement for sodium nitroprusside (SNP) and intravenous fluids.

We assessed postoperative fluid requirement, use of and response to adrenaline, blood pressure and heart rate variability.



Conclusions and Discussion

Catecholamine secreting tumours are associated with a variable clinical course during anaesthesia and surgical manipulation. Effective management of these complex tumours requires aggressive pre-operative preparation. Although a small cohort, the data suggest that patients treated with iv phenoxybenzamine prior to surgery:

✓ have better pre-operative BP control

- ✓ require less intraoperative intervention
- ✓ have less post-operative hypotension

than patients treated with oral phenoxybenzamine.

We invite other centres to report their experience.