



Singapore Healthcare Management 2017

New Care Path for Uncomplicated Cataract Surgery Under RA (CSURA)

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Background & Objective

Leveraging on the success of the care path for Cataract Surgery under Topical Anaesthesia the Team expanded the **pre-operative assessment (POA) & peri-operative care** to use for **Cataract Surgery under Regional Anaesthesia (CSURA)**.

Objectives of the CSURA project are:

1. To **reduce** surgery cancellation or delay
2. To **enable** patient cost savings
3. To **reduce** hassle to patients
4. To **treat** the individual as normal & well

Methodology

AS IS

CSURA patients need to undergo the following:

1. Fasting before surgery
2. ECG done at Anaesthesia Clinic
3. Blood investigation done at Eye Clinic
4. Donning of full Operating Theatre (OT) "Baju" / attire for patient before going to OT

TO BE

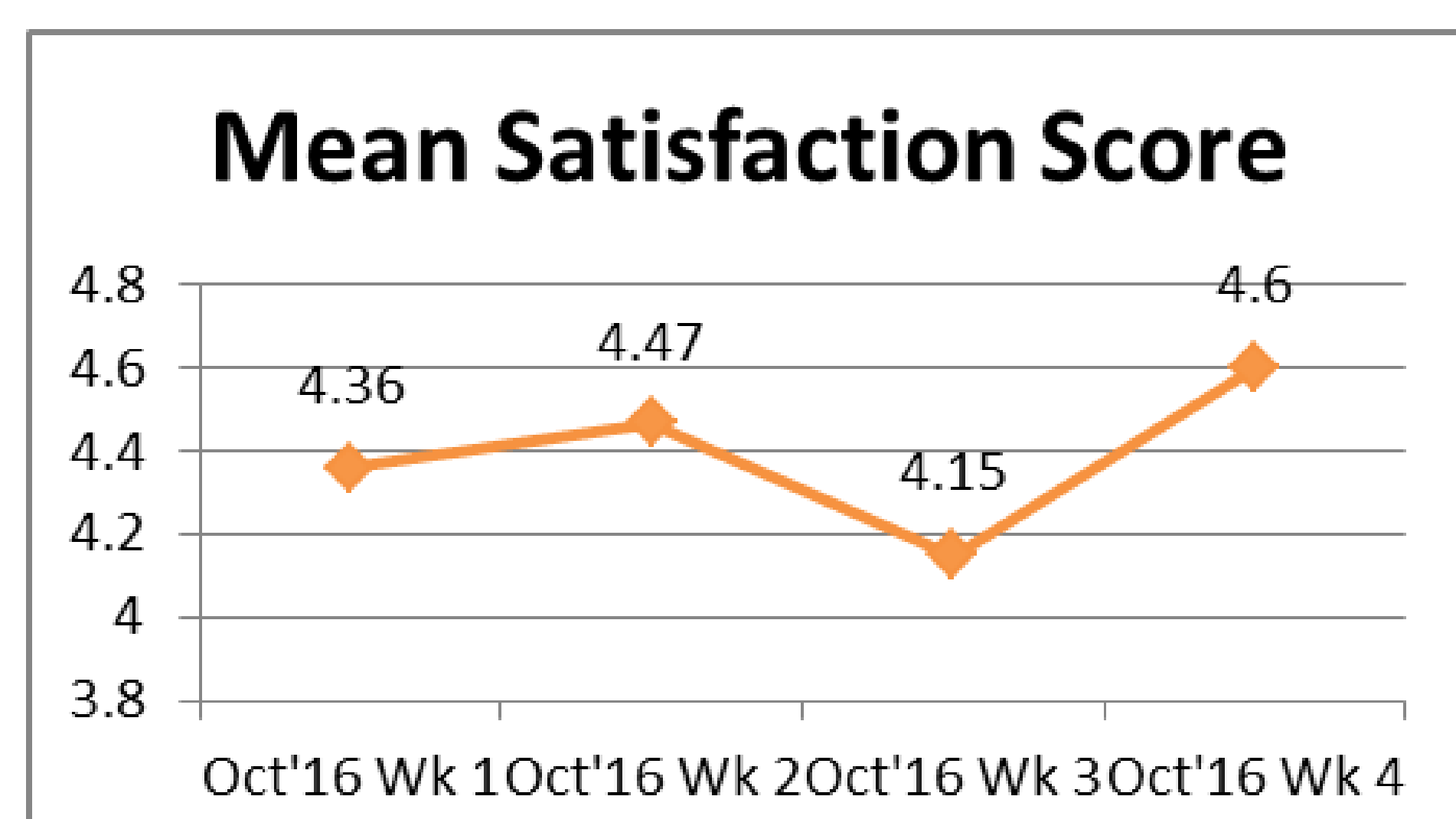
1. **No fasting** for uncomplicated CSURA cases who fulfil the exclusion criteria
2. **No pre-operative ECG & blood tests**
3. **Donning on a kimono wrap** instead of OT "baju" that is approved by the Infection Control Team



Patient dons a kimono over his street clothes

Sustainability

- **Standardised** workflow & operating procedures
- **Poka-Yoke:** checklist & photo illustrations
- **Extend Eye Clinic nurse-led POA** to uncomplicated CSURA patients to enable a **same-day listing POA** will reduce CS lead time.
- **Monitoring progress:** patient satisfaction levels (see chart on the right)



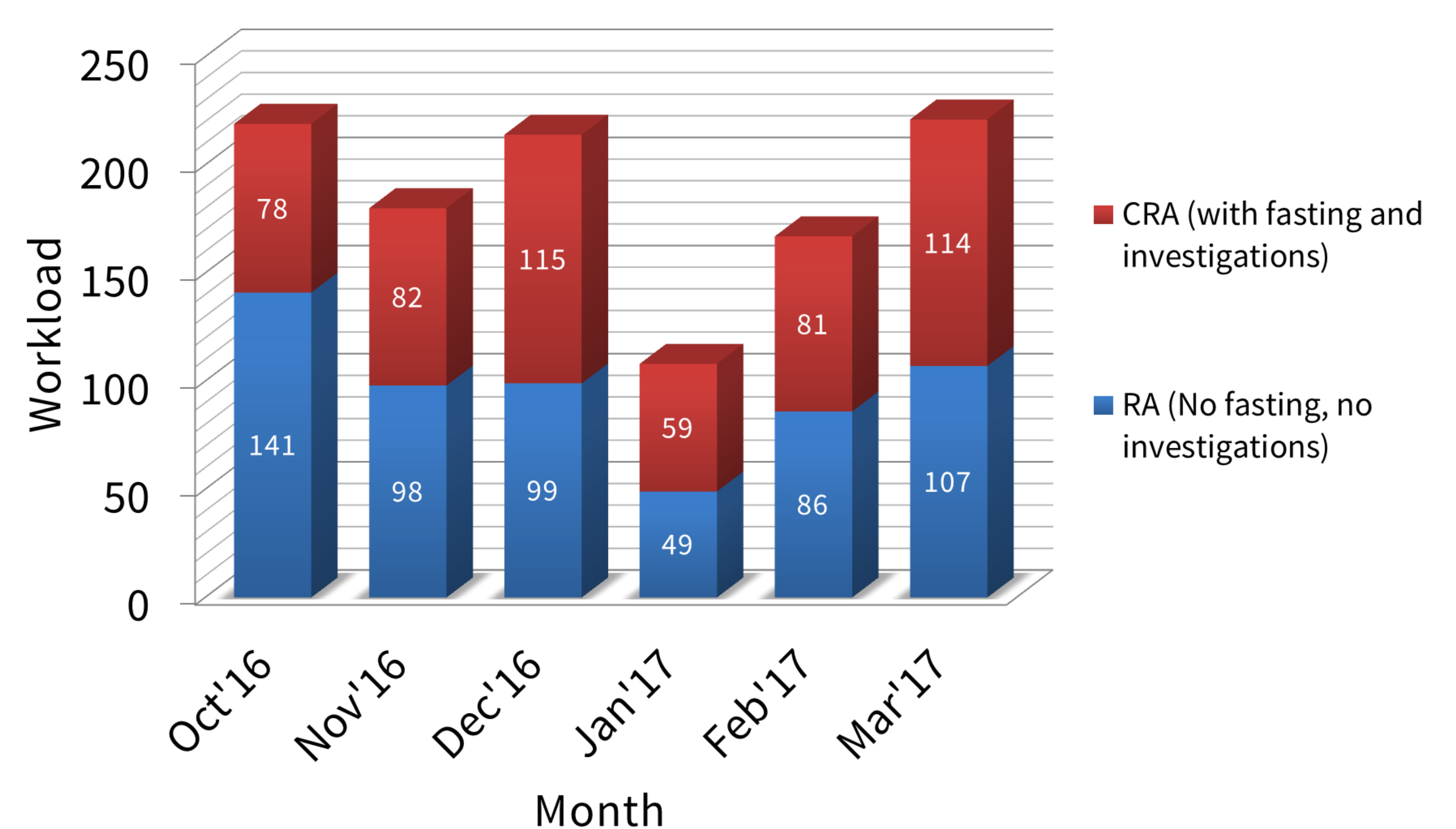
Conclusion

CSURA care path **optimizes resource utilisation, increases productivity, reduces cost & adds convenience** without compromising quality & safe patient care.

Results

- As of Oct 2016 to Mar 2017, **580** patients (580/1109 cataract patients, **52.3%**) have benefited from this.
- **No** reported case of conversion to general anaesthesia or full intra-venous sedation.
- **No** reported post-operative intra-ocular infection.

Workload of CSURA



Project Impact

Patient Cost Savings – (KTPH Finance data)

Uncomplicated Cataract Surgery Under Regional Anaesthesia	As is	To be
Blood investigation (Renal panel with glucose)	\$40.40	\$0
Electrocardiogram (ECG)	\$14.00	\$0
Total	\$54.40	\$0
Total patient savings		\$54.40

To date, total patient savings amounts to a total of \$31,552.00 (\$54.40 x 580) or **\$63,104.00 per year**.

Operating Theatre Cost Savings

	Complicated RA	Uncomplicated RA
OT "baju" (OT gown)	\$7.20	Not applicable
Kimono laundry cost	Not applicable	\$0.65
Total cost savings		\$6.55

As patient only dons kimono, linen cost savings of \$3,799.00 (580 x \$6.55) or **\$7,598.00 per year**.

- **Obviating risks of a fall** due to baju changing.

Time Savings

	As is (OT Baju)	To be (Kimono over clothes)
Time Spent	10-20 minutes (before & after)	4 minutes (before & after)
Total		6-16 minutes time savings per patient