

Reported in the literature for nearly 2 decades, incidence unknown Large outbreak in 2005 across 80 North American centres Relatively under recognised potential complication associated with cataract surgery Often misdiagnosed, frequently associated with infectious endophthalmitis Individual clusters occur sporadically Often specific cause of outbreak is not identified Multiple causes and associations implicated Difficulty for surgical centres to isolate a direct cause Not a reportable condition in Australia

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Causes and associations

Contaminants on surgical instruments
• Improper or insufficient cleaning

Products introduced into the eye during surgery
• Irrigating solutions or ophthalmic medications

Other substances that enter the eye during or after surgery

der from surgical gloves



Situation



13/06/13 IPC received call from DON of a 2 theatre day surgical hospital

Ophthalmic surgeon reported 3 of his patients had developed TASS post cataract surgery performed at the hospital

DON requested review of surgical ANTT and reprocessing of ophthalmic instruments

To be undertaken 18/06/13 when surgeon and scrub nurse next performing cataract surgery

Systematic review of work practices undertaken in conjunction with surgical and CSSD teams

To rule out any potential source of TASS where able

Findings



3 patients between 13/03/12 - 22/05/12 seen by ophthalmologist for post cataract surgery follow-up

Presented with non-painful blurry vision the day after unilateral phacoemulsification and IOL implantation surgery $\frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}$

Patients clinical symptoms and response to topical steroids and antibiotics resolved after a few

Consistent with TASS

2 females (12/03/12 & 07/05/12) and 1 male (21/05/12) with a median age of 81.3 years

Surgery performed on the left eye of all 3 patients

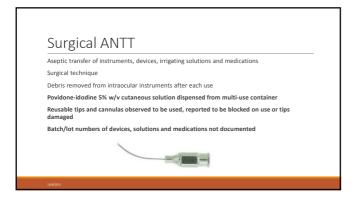
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Surgeon Fellow of Royal Australian College of Ophthalmologists Practicing for 20 years One of two ophthalmologists operating at the day surgery hospital Performed surgeries fortnightly Had not previously had patients with TASS Reported that he had not made any changes in his surgical technique before or after the cluster • Ceased use of intraoperative lidocaine after the 2nd case

Scrub nurse	
Commenced working with the ophthalmologist in February the same	e year
Scrubbed for each of the cases and all other cataract surgeries perforphthalmologist	ormed by the
Worked at one other dedicated eye day surgery	
Scrubbed for cataract surgery for 3 years	
No other patients scrubbed for had subsequently developed TASS	

Surgical ANTT Hand scrub/rub, gowning and gloving techniques Surgical hand disinfectants Latex and latex-free powder-free gloves Set-up of procedure trolley including dispensing Pre-operative skin disinfection of patient Surgical draping

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Reprocessing of RMD - Cleaning Eye instruments manually pre-cleaned and mechanically cleaned in ultrasonic with mildly alkaline agent Internal surfaces flushed using adaptor and syringe Rinsed with distilled water Internal lumened surfaces dried with air gun, external surfaces dried with lint-free disposable towels Manual cleaning agent and distilled water not measured Irrigation and aspiration ports not flushed with minimum volume recommended Single-use flushing syringe disposed of at the end of each list Instruments mechanically cleaned for 5 minutes Ultrasonic solution changed once per list Only 3 Phaco handpieces available; quick reprocessing turnaround time to meet list demands

Reprocessing of RMD - Sterilisation All eye instruments sorted, wrapped/packaged, sterilised, tracked and traced Staff reported problems with steriliser overexhausting → failure to meet physical parameters

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Preventing additional cases Closely monitor routine cleaning and sterilisation of reusable ophthalmic instruments and related equipment Minimise use of reusable instruments where single use disposable available Irrigation and aspiration cannulas Review product traceability system and keep detailed record (lot and batch numbers) of all products and equipment used for each case Liaise with manufacturers/suppliers of solutions, medications and single-use devices Dispense Povidone-iodine antiseptic from single-use containers

And the story goes on... Cause not identified 4th case of TASS reported by ophthalmologist following phacoemulsification and IOL implantation surgery to right eye on 08/10/12 Ophthalmologist ceased performing cataract and all other intraocular surgery AICAlist posting 03/10/13 from Jo-Anne Bendall Solving TASS. Maximizing Patient Safety in VA Operating Rooms We have been supported by the surgery of the

WASIG Breakfast Education & Networking Forum Case Study No. 4 8 November 2013

References Australia: College of Operating from Nurses Ltd. (2013). 2012 – 2013 ACOBN standards for persperative running. Adeladis, Australia: Australia: College of Operating floors inverse Ltd. Anexcurs Society of Calastrat and References Society of Ophthalmic Registered Nurses. (2007). Recommended practices for cleaning and attentioning introduction surgical instruments. Parisk Vis. American Society of Calastrat and References Surgery, American Society of Calastrat and References Surgery, American Society of Calastrat and References Surgery, American Society of Calastrative Surgery, American Society of Calastrative Surgery, American Society of Calastrative Surgery, Amailable at Calastrative Surgery, Amailable at Calastrative Surgery, American Society of Calastrative Surgery, Amailable at Calastrative Surgery, American Society of Calastrative Surgery, Amailable at Calastrative Surgery, Amailable at Calastrative Surgery, American Sur

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WASIG	Terms of Reference
Inaugui	al breakfast forum presentation 9 August 2013
Evaluat	ion summary report 9 August 2013
	https://www.acipc.org.au/members-area/special-interest-groups/wa-state-sig
Next fo	rum Friday 7 February 2014 7.30am – 9.00am
Venue	to be advised
Topic e	nvironmental cleaning or NSQHS Standard 3 Accreditation Experiences
	Don't forget to renew your College membership for 2013 – 2014