

We thank Prof Claoué for his letter regarding Immediate Sequential Bilateral Cataract Surgery (ISBCS).

Given the increasing mismatch between resources and demand, the national need to move to more efficient working practices has to be an inclusive, incremental, collective effort. By advocating a leap to a two-visit bilateral cataract pathway or any other unconventional efficiency measure, we would be concerned that we might lose the ear of the majority of departments whose pathway currently involves five visits for bilateral cataracts.

The October 2017 NICE guidelines [NG77] on adult cataract surgery recommend us to “Consider bilateral simultaneous cataract surgery for people who are at low risk of complications during and after surgery”. Whilst there was enough evidence to permit NICE to come to this conclusion, a recent systematic review and meta-analysis of ISBCS described the quality of evidence for this procedure as “low to very-low”¹, and the very fact that ISBCS has been repeatedly proposed as a safe practice for over three decades^{2,3} but has gained little traction in the UK suggests that more work is needed to convince those providing cataract surgery to routinely offer ISBCS.

Prof Claoué expresses the belief that there is little risk from ISBCS, however, intuitively ophthalmic surgeons find this hard to comprehend;⁴ the very low risk of bilateral endophthalmitis notwithstanding, consideration might be given to the risk of bilateral cystoid macular oedema (CMO). Even excluding patients with risk factors the rate of clinical CMO in the largest study in the UK to date with 35563 low risk eyes was 1.17%,⁵ and first eye CMO is strongly predictive of second eye CMO with genetic factors at play,⁶ a risk that may not be amenable to reduction by topical NSAIDs in these low risk eyes.⁷

The key to promoting ISBCS nationally is unlikely to lie in convincing surgeons that there is a lack of risk. The opportunity to save money for the NHS is also a poor motivator. Rather, we should purpose to demonstrate that there is the possibility of doing good to potentially tens of thousands of patients annually by providing faster visual rehabilitation and better quality of life through ISBCS. Evidence of improved quality of life would perhaps be more convincing to ophthalmologists, but would require a large national randomised controlled trial.

Thus convinced, surgeons would be able to enter into an honest and informed process of shared decision making with patients – some of whom will doubtless be delighted with the potential benefits of ISBCS, and some of whom will doubtless be wary of the potential risks, small as they are.

1. Kessel L, Andresen J, Erngaard D, Flesner P, Tendal B, Hjortdal J. Immediate Sequential Bilateral Cataract Surgery: A Systematic Review and Meta-Analysis. *J Ophthalmol* 2015; 2015: 912481.
2. Smith GT, Liu CS. Is it time for a new attitude to "simultaneous" bilateral cataract surgery? *The British journal of ophthalmology* 2001; 85(12): 1489-96.
3. Fenton PJ, Gardner ID. Simultaneous bilateral intraocular surgery. *Transactions of the ophthalmological societies of the United Kingdom* 1982; 102 (pt 2): 298-301.
4. Schachat AP. Simultaneous bilateral endophthalmitis after immediate sequential bilateral cataract surgery: what's the risk of functional blindness? *American journal of ophthalmology* 2014; 158(2): 410-1.
5. Chu CJ, et al. Risk Factors and Incidence of Macular Edema after Cataract Surgery A Database Study of 81984 Eyes *Ophthalmology* 2016;123:316-323

6. Masood I, Negi A, Vernon SA, et al. The -174G/C interleukin-6 promoter polymorphism influences the development of macular oedema following uncomplicated phacoemulsification surgery. *Eye*. 2007;21:1412-5

7. McCafferty S, et al. Pseudophakic cystoid macular edema prevention and risk factors; prospective study with adjunctive once daily topical nepafenac 0.3% versus placebo. *BMC Ophthalmol*. 2017 20;17:16