Looking after YOU

Heather Machin
Registered Nurse and Consultant: Fred Hollows Foundation NZ, Auckland, New Zealand. hmachin@hollows.org.nz

It sounds silly, but we often spend so much time caring for our patients and each other that we forget to care for ourselves. If we don’t look after ourselves it could put us at risk and could lead to a short-term or permanent inability to do our work. We need to do whatever we can as health care professionals to demonstrate to our patients, through our own example, what it means to live a healthy and enjoyable life – there is no better health promotion tool than that!

Here is a list of some of the things you can do to take good care of YOU.

Have your eyes checked. It is important to have them checked regularly. Your eyesight is important because you need to perform several specialised tasks – be it reading labels on a drug bottle or seeing a suture clearly enough to be able to load it onto a needle-holder. You work in eye care so you have no excuse – get your eyes checked.

Sleep. Make sure you get a good night’s sleep every night. This includes about 6–8 hours of solid sleep. This is particularly important if you also do night duty because your sleep patterns may not be routine.

A good night’s sleep will help to ensure that you have energy to perform your daily tasks. It also increases your brain’s ability to focus on difficult and complex tasks and issues.

Body care. Make sure you comply with your hospital’s policy on lifting and moving objects correctly. If you hurt a part of your body while at work you are at risk of having a permanent injury, which could be painful and reduce your job options. There is lots of online information about this subject. ‘You can search on the internet for ‘ergonomics’, which is the study of the body’s movement or try ‘workplace or occupation health and safety’ or ‘manual handling’.

Practise mindfulness. Try to have some alone time, by yourself, from time to time, so you can recharge your energy levels and take back your enjoyment and love for life. Search on the internet for ‘mindfulness’ – there are many websites which offer practical guidance to this approach, which has been shown to improve mental wellbeing.

Hygiene. Make sure you wash regularly, as you work in a hospital and it is important that you are not carrying harmful organisms to and from your workplace and home.

Keep fit. The human body is designed to move, so make sure you are moving your body regularly. This could include a walk to and from work.

Spend time with your family and friends. Work is very important and helps bring money into the home. While it remains important, don’t forget to spend time with your family and friends whenever you can. Jobs will come and go but family and friends remain. They need you as much as you need them. Prioritise them!

Eat well. Health care workers are notorious for grabbing quick snacks, missing lunch and going without a drink for hours. This is not good. Drink plenty of water and try and have lunch or some snacks every day.

Stay safe. If you are travelling to and from work after dark you need to take care of your own safety and make sure you are not in danger. Hospitals are easy targets for crime so never place yourself in danger. Travel responsibly. If you travel a lot for work, be mindful of safety, regular food, exercise and rest.

Look after your professional registration. Find out what your professional association (i.e. medical or nursing council) requires of you to maintain your professional license and make sure you comply with those requirements.

Join an association. Networking with others in your profession is very helpful. It allows you to share your stories and learn from others’ experiences. It is a good way to stay aware of changes and new opportunities in your area of work.

‘Make sure you get a good night’s sleep every night.’

Make sure you wash regularly, as you work in a hospital and it is important that you are not carrying harmful organisms to and from your workplace and home.

Keep fit. The human body is designed to move, so make sure you are moving your body regularly. This could include a walk to and from work.

Spend time with your family and friends. Work is very important and helps bring money into the home. While it remains important, don’t forget to spend time with your family and friends whenever you can. Jobs will come and go but family and friends remain. They need you as much as you need them. Prioritise them!

Eat well. Health care workers are notorious for grabbing quick snacks, missing lunch and going without a drink for hours. This is not good. Drink plenty of water and try and have lunch or some snacks every day.

Stay safe. If you are travelling to and from work after dark you need to take care of your own safety and make sure you are not in danger. Hospitals are easy targets for crime so never place yourself in danger.

Travel responsibly. If you travel a lot for work, be mindful of safety, regular food, exercise and rest.

Look after your professional registration. Find out what your professional association (i.e. medical or nursing council) requires of you to maintain your professional license and make sure you comply with those requirements.

Join an association. Networking with others in your profession is very helpful. It allows you to share your stories and learn from others’ experiences. It is a good way to stay aware of changes and new opportunities in your area of work.
Evaluation and selection for surgery

As a surgeon, you may not see all of your cataract patients before surgery. If this is the case, it is imperative that the nurses working with you are diligent in their pre-operative assessment. All patients should have the following assessments: visual acuity, intra-ocular pressure (IOP), pupils (looking for a relative afferent pupillary defect, or RAPD), and past ophthalmic history. Selection for surgery is very important. Listing a patient for routine cataract surgery who has an RAPD, high IOP or a history of severe retinal disease may lead to a poor outcome. The patient should be fully assessed, and appropriate consent taken before a ‘guarded prognosis’ is made. In addition, for good vision outcomes, it is essential to have accurate biometry and to have a large range of intraocular lenses available.

Surgical technique

The procedure itself is wonderful when all goes well; however, every eye is different, every operation is different, and each and every step of the procedure is as important as the one before.

A good draping is necessary to capture the eyelashes, especially those of the upper lid.

The superior rectus suture is important: it immobilises the eye and assists with scleral tunnel ‘opening’ when extracting the nucleus. Going too deep with the needle may penetrate the eye, and going too shallow will engage the conjunctiva only.

Firm scleral fixation (throughout the tunnel construction) should be maintained by using good forceps (Figure 1).

The scleral tunnel is very important. A very curved and ‘frown-shaped’ incision should be made initially. If the incision is too flat, this will induce a significant against-the-rule astigmatism. Use adequately sharp blades.

When forming the tunnel with the crescent blade, aim to see just enough of the metal of the blade. If you cannot see any of it, you are too deep and will likely prematurely enter the anterior chamber. If you see too much, a buttonhole will form. Dealing with complications in tunnel construction may be necessary: a buttonhole may lead to leakage and should be undermined in a different plane or a new entry site fashioned. Premature entry into the anterior chamber will often require a suture.

The capsulotomy can be linear or otherwise fashioned. Premature entry into the anterior chamber IOL if at all possible.

Use the cannula, while slowly injecting visco-elastic into the anterior chamber to protect the endothelium. Inject visco-elastic into the anterior chamber down within the scleral wound beyond the upper equator of the lens nucleus. The important point is to press backwards and slightly down within the scleral wound and the upper equator, such that the upper part of the nucleus actually starts to move forward rather than backwards.

Inject a good amount of visco-elastic behind the nucleus to push back the posterior capsule before inserting the vectis or fishhook needle to extract the nucleus.

Once the nucleus is removed, take great care when removing the soft cortical lens matter. Increase the magnification on the microscope for this stage, as well as for the capsulorhexis.

An injection of antibiotic into the anterior chamber (intra-cameral) should be performed at the end of the procedure (with either cefuroxime (1 mg in 0.1 ml) or moxifloxacin, but only if you can guarantee that the concentration will be correct every time. This may help to prevent post-operative endophthalmitis, but can severely damage the corneal endothelium if an incorrect dosage is injected.

Complications and their management

Dealing with vitreous loss is important. It is most important that no vitreous remains in the anterior chamber going up to a wound or paracentesis. This is certain to invite future infection, chronic macular oedema, or even a retinal detachment. It should almost always be possible to place either a posterior chamber or sulcus IOL. Avoid an anterior chamber IOL at all possible.

If there is any doubt about the wound, or if the initial incision is too flat, then place a 10-0 nylon suture in the main incision.

Post-operative treatment and evaluation

Patients must be given a combination of antibiotic and steroid drops for a few weeks after surgery. It is important to ensure that patients understand the importance of using the drops, and also how to use them.

Post-operative evaluation is critical. Examine patients on the first post-operative day to diagnose and treat surgical complications. Vision assessment and ideally refraction should take place at 4–6 weeks after surgery and are essential for assessing surgical outcomes. Patients and/or carers must be educated about possible complications. They must be told what to do and where to go if they have untoward symptoms. This will help to ensure early diagnosis and treatment of complications such as intraocular infection.

Audit

The value of being interested in, recording, monitoring and then reflecting on all your surgical outcomes cannot be over-emphasised. On a very personal level, as a surgeon, this will improve your selection, technique and management; ultimately, it will make you a better surgeon and improve outcomes for the patients that you treat. Audit of outcomes should be absolutely mandatory everywhere. It may seem like an intrusion or extra effort, but it definitely makes you a better surgeon.

Conclusions

Ultimately, the best surgical safety, technique, and outcomes for your patient are not up to a textbook, DVD, website or trainer. They are in your, the surgeon’s, hands. Only you can strive for the best surgical outcome, and the eye team can help you to achieve this.

Further reading