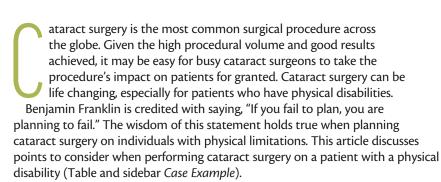
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PREOPERATIVE CONSIDERATIONS

Comorbidities. It is important to determine if the patient has nonocular comorbidities such as hearing loss, cognitive disabilities, or significant medical problems. Do they have a Foley catheter in place or require a colostomy bag or feeding tube?

Patient transferability. Is the OR staff equipped to transfer the patient? If not, can the patient's personal care staff transfer the patient to a surgical bed?

TABLE. SUMMARY OF IMPORTANT SURGICAL CONSIDERATIONS		
Operative Stage	Considerations	
Preoperative	 Medical comorbidities Transferability ISBCS vs DSBCS 	 Surgical setting IOL selection
Intraoperative	 Anesthesia type Patient positioning 	 Surgeon positioning Drops vs no-drop surgery
Postoperative	 Need for a caretaker Availability of a caretaker Postoperative visit consolidation 	 Need for spectacles Type of spectacles
Abbreviations: DSBCS, delayed sequential bilateral cataract surgery; ISBCS, immediate sequential bilateral cataract surgery		

HOW ^{to set} yourself up for success. **Timing.** Another important decision is whether to perform delayed or immediate sequential bilateral cataract surgery (DSBCS or ISBCS). DSBCS has been the method of choice for most cataract surgeons. ISBCS, however, may be preferred for patients with physical disabilities to limit the number of visits required and minimize transportation issues.^{1,2}

Location. Should surgery be performed in an in-office OR, ambulatory surgery center, or hospital setting? The answer may depend on whether the patient has comorbidities and the center's ability to transfer them and provide other care.

IOL selection. A few factors to consider when selecting an IOL are the patient's level of physical disability, their ability to put on and remove glasses, and their daily activities. Severely disabled patients may lack the manual dexterity to handle glasses or the ability to adjust their head position to use bifocal glasses effectively.

Up to one-third of all falls in the elderly can be attributed to their use of bifocal or multifocal glasses.³ According to the Centers for Disease Control and Prevention, 12.1% of US adults have serious difficulty walking or climbing stairs.⁴ For patients whose physical disability makes using stairs difficult, spectacle dependence may increase their risk of falls and morbidity, making presbyopia-correcting IOLs a reasonable option. Many of these individuals, moreover, spend a lot of time reading and performing other near tasks, another reason to select a presbyopia-correcting IOL.

INTRAOPERATIVE CONSIDERATIONS

Patient positioning. Patients with physical disabilities often have neck and/or back pain and stiffness that may make conventional supine positioning uncomfortable. Also, the pain can make it difficult for them to follow instructions or remain still. Extra pillows, adjustment of the headrest, and/or Trendelenburg positioning may help (Figure). These changes to patient positioning, however, may make typical surgeon positioning uncomfortable (see a related article on



Figure. An example of Trendelenburg positioning.

CASE EXAMPLE

A 67-year-old woman presented for a cataract surgery evaluation. The patient had recently become quadriplegic after a motor vehicle collision. She was an avid reader, but worsening cataracts and an inability to tilt her head to position her bifocals properly were making the activity difficult. This was especially frustrating to the patient given her recent confinement to a motorized wheelchair and increased difficulty performing other activities she had normally enjoyed.

Uneventful immediate sequential bilateral cataract surgery with a femtosecond laser was performed in an in-office OR. A trifocal IOL was implanted in each eye.

The patient was extremely satisfied with her outcome. For the first time in recent memory, she was able to look across the courtyard of her facility to watch birds and read her favorite novels without glasses.

pg 20). Sometimes, surgeons must adopt a new position in response. For example, if the patient needs to be in a Trendelenburg position, a cataract surgeon who typically operates temporally may have to operate superiorly to allow more room for their legs.

Anesthesia. If a patient with a physical disability also has significant concomitant cognitive disabilities, then general anesthesia may be preferable to monitored anesthesia care with a topical anesthetic.

POSTOPERATIVE CONSIDERATIONS

Medication. Many patients with physical disabilities are unable to instill topical eye drops. Do they have a caretaker available who can administer postoperative medications? If not, a drop-free cataract surgery technique may be an appropriate choice.

Follow-up. Attending follow-up visits can be onerous for these patients. Performing ISBCS can reduce the number of postoperative visits. For patients who undergo DSBCS, postoperative visits may be combined to reduce examination time.

CONCLUSION

Proper planning is required for cataract surgery on physically disabled patients. Understanding each patient's specific needs can set up cataract surgeons for success.

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