

# Cervical spine surgery





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Introduction

# Welcome

We believe that healthcare should be about you and your family. We strive to deliver healthcare compassionately and to act with absolute integrity. Our team of professionals will work closely with you and your family to provide an ideal patient experience. We want to help you heal quickly and get back to the life you enjoy.

We want to put your mind at ease by including you as an active participant in your care. Our goal is to involve you in every aspect of your care. We will rely on you to give us accurate information regarding your medical history, home medications and pain level and to voice any concerns you may have during your stay. It is important to remember that you play a significant role in your recovery.

Our goal is to make you feel comfortable and secure throughout this process. Please ask any

questions or share any concerns with the staff so that we can make this experience the best for you. We are committed to you, our patient, and want you to receive quality care during your visit with us. Thank you for allowing us to care for you. It is our privilege to be your healthcare provider.

The information in this guide will help you prepare for surgery and to recover following surgery. Please read through this material several times. Identify any topics you want to discuss with your physician or with the hospital staff. Write down any questions you have and be sure to ask your nurse and physician. We are here to help you through this experience and to meet your individual needs.

### **Mission**

The mission of Baylor Scott & White -Frisco is to provide the opportunity to every individual within Frisco and the surrounding communities the highest standard of healthcare services. designed with excellence, delivered with dignity, and demonstrated with respect to those we serve.



## From your care team

We're pleased that you are considering us for your spine care. We are excited to walk alongside you during this process.

As a patient undergoing spinal surgery with us, we want your experience to be as stress-free as possible. This surgery guide is designed to offer additional information regarding your preparation before surgery, the surgery itself and your road to recovery. Our hope is to help reduce your anxiety around your hospital stay by helping you understand what to expect and when to expect it.

As a patient, you will play an active role during your hospitalization. Our goal is to involve you in every aspect of your care. We will rely on you to give us accurate information regarding your medical history, home medications and pain level and voice any concerns you may have during your stay with us.

It is important to remember that you are in charge of your own recovery. Thank you for your dedication to preparing for your surgery. We look forward to meeting you.

#### **About our hospital**

Complimentary valet services - Patients and visitors may use our complimentary valet services at the main entrance of the hospital. Valet services are available Monday - Friday from 6:00 AM - 6:00 PM.

Guest information - Our hospital's main entrance is open seven days a week, 24 hours per day.

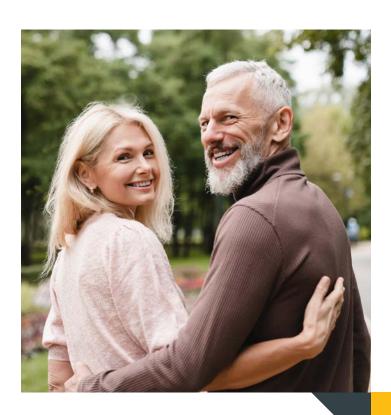
We do not have set visiting hours, but we ask that your family and friends be sensitive to your recovery needs. Children under 12 must be accompanied by an adult.

Inpatient rooms - All rooms are private and furnished with a couch that folds into a bed if an adult family member would like to stay overnight.

Dining - During your stay with us, you will order your food through our Dine on Demand service. A room ambassador will take your order, or you may place an order at any time by dialing extension 5757 on your hospital room phone. Each patient meal also comes with a complimentary guest meal if a family member would like to eat with you.

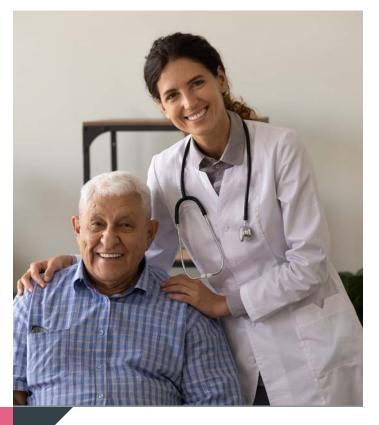
Tobacco-free campus - Our campus is tobaccofree with no designated smoking areas.

Our goal is to promote a healthy lifestyle for our patients, staff and families.



# **Useful phone numbers**

Registration214.407.5271
Pre-admission testing
Social services
Spine coordinator
Manager, post-surgical unit214.407.5188
Chief nursing officer214.407.5428
House supervisor (after hours)972.369.2947
Manager, center of excellence 214.407.5168



## **Comments and compliments**

We appreciate your comments. Our employees believe your comments allow us the opportunity to grow. You will receive a survey about your hospital stay after you return home. Please fill this survey out and return it as indicated. We value your input.

#### **Comments**

We pride ourselves on the customer service we provide for our patients and their families. If at any time you are not satisfied with the care you received, room environment, etc., please let us know immediately. You may file a complaint by contacting any of the following personnel:

Post-surgical unit managerext. 5188
Patient advocateext. 5497
Manager, center of excellence ext. 5168
Spine coordinator ext. 5169
Chief nursing officerext. 5428

#### **Compliments**

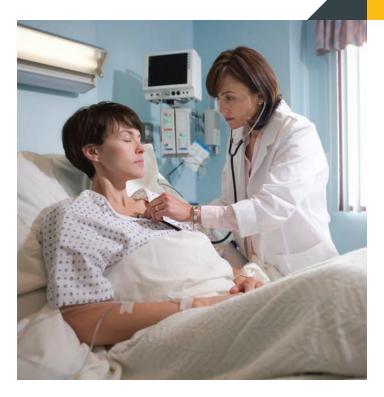
Our nurses and hospital staff strive to make your stay a pleasant experience. If you feel someone has gone above and beyond to care for you or your family member, please take the time to fill out a Pursuit of Excellence card. These cards are located in the front lobby outside the cafeteria, the nurses stations or may be obtained by asking one of our staff members.

Pursuit of Excellence cards are read by senior administration, the director, department manager and the employee.

#### Your care team

The following team of healthcare providers is dedicated to helping you have a successful outcome with your surgery:

- Your surgeon and physician assistant will direct your surgical care and will check on you daily to monitor your progress.
- Your internal medicine physician or nurse practitioner will direct your medical care and will check on you daily to monitor your progress.
- Your anesthesiologist or certified registered nurse anesthetist (CRNA) will provide your anesthesia throughout your operation.
- Your circulating nurse and surgical scrub tech will assist your surgeon during your operation.
- Your registered nurses (RNs) will assess your progress, assist with any needs, give you medication, and provide education before your surgery, in the recovery room and on the surgical floor.
- Your patient care technicians (PCTs) will assist with needs, help you walk to the bathroom and take your vital signs.
- Your respiratory therapists will monitor your breathing and oxygenation and provide education/assistance as needed.
- Your physical therapists will evaluate your needs and help you learn how to safely walk around after your surgery.
- If requested by your surgeon, your social worker will evaluate your discharge needs. They can assist you in ordering equipment, discharge planning and follow-up needs.
- Your room ambassador will visit you around mealtimes and take orders for your meals for both you and your support person.
- Your Center of Excellence coordinator will round on you daily to monitor your progress and review all discharge teaching with you prior to your departure.



#### Keeping you safe

Keeping you safe is our top priority. We will ask you numerous times throughout your hospital stay to state your name and date of birth and compare it to your identification armband. This ensures that we are providing the right treatment, medication or test during your stay with us.

We want to ensure that we perform the correct procedure on the correct patient at the correct site every time. You will play an active role in this process by verifying your surgery and surgical site with your surgeon as they mark your surgery site in the pre-op waiting area.

Preventing the spread of germs is of utmost importance. Your healthcare team will wash their hands with soap and water or use gel hand sanitizer every time they enter or exit your room. This should also be done by your family members/visitors. If you have concerns that your healthcare provider or family has not washed their hands, please voice your concerns. You will also be provided with hand sanitizing wipes that may be kept at your bedside.

# **Understanding your spine**

## Your spinal column consists of 33 bony vertebrae, separated into five different regions

- · Cervical (neck): seven vertebrae
- Thoracic (upper/middle back): 12 vertebrae
- · Lumbar (lower back): five vertebrae
- · Sacral (pelvic area): five vertebrae, fused together
- Coccyx (tailbone): four vertebrae, fused together The function of your spinal column is to protect your spinal cord and nerve roots, give your body structure and support, and help you to bend with flexibility.

#### Intervertebral disks

• Between each vertebra in your spine is an intervertebral disk, which cushions your bones and keeps them from rubbing together. Healthy disks effectively absorb and distribute the spinal stress you have both at rest and while you're moving.

#### Muscles, tendons and ligaments

 Spinal muscles, tendons and ligaments work together to keep the spine stable both at rest and during activity.



#### Disorders of the cervical spine

- · Herniated disk: A disk can weaken and push outward (herniate). A bulging or herniated disk can sometimes get too close to a spinal nerve. This may cause pain and affect how the nerve works.
- Degenerative disk disease: With age, disks may wear out and flatten, which can cause them to lose flexibility, elasticity and their shock-absorbing ability. This flattening of the disk can irritate and pinch nearby nerves, sometimes causing pain, weakness or numbness.

#### Types of cervical spine surgery

- Diskectomy and fusion: This procedure removes the problem disk that is located between the vertebrae and inserts a spacer bone graft to fill the open disk space. The graft serves as a bridge between the two vertebrae to create a spinal fusion.
- Disk replacement: This procedure removes the problem disk, and a replacement disk is inserted. This new disk is anchored into the bone, and over time, bone will grow into and around the new disk to hold it firmly in place.

# **Preparing for surgery**

#### Find your support person

Spine surgery is a journey, and it is important to have someone with you during this time. Your support person can be your spouse, family member, friend or relative who will help you during recovery.

#### Pre-certification and authorization

Many insurance companies require pre-certification or pre-authorization for surgery. Please contact your insurance company or notify them of your upcoming surgery. If pre-authorizations or pre-determinations are required by your insurance company, contact your physician's office and have them contact your insurance provider. Workers' compensation and some managed care plans require approval for surgery before a surgical date can be selected.

- You may log onto BSWHealth.com/Frisco for a current list of contracts with insurance plans along with contactphone numbers for individual departments throughout the hospital.
- If you work, remember to notify your employer and have your surgeon's office complete any FMLA or short-term disability paperwork prior to your surgery.

#### **Pre-admission testing and appointments**

To make sure you are healthy enough to tolerate your surgery, your surgeon may require you to be seen at our pre-admission testing clinic located here at Baylor Frisco. At this appointment, you may have tests completed, such as blood, urine or an electrocardiogram (EKG) to evaluate your heart. You will discuss your medical history with the pre-admission nurse, internal medicine doctor or nurse practitioner. The results of this appointment will let your care team decide if you are cleared and ready for surgery. If necessary, you may be required to see a specialist for further testing to be cleared for surgery. You can reach our pre-admission testing clinic at 214.407.5166.



#### **Pre-operative education**

Prior to surgery, a link to our pre-operative education video will be either emailed to you or reviewed at your pre-admission testing visit. You may also access this video by visiting BSWHealth.com/Frisco. Select the "Specialties" tab, choose "Spine Care," scroll down to the "Spine Surgery Education Video" section and follow the prompts to watch the video.

If you have any questions regarding your pre-operative education, please reach out to the spine coordinator at 214.407.5169 or email us at BMCF-TJP@BMCF.com.

#### **Home modifications**

To make your home safer and more practical after your surgery, a number of simple changes can be made. Your physical therapist may have additional suggestions for you during your hospitalization.

- Remove any trip hazards around your home (rugs, cords) and move frequently used items to places you can easily reach them.
- Arrange for assistance with household chores, driving and errands.
- Arrange for help with childcare and pets.
- Purchase groceries and prepare meals in advance.
- Make sure lamps can be turned on and off easily, preferably from bed.
- Have available a high, stable chair with a firm seat cushion and armrests.

# **Pre-operative checklists**

Use these checklists to help prepare you for surgery.

#### **Surgical checklist:**

Medical	clearance	appointment	date/time:

<ul><li>Specialist appointment date/time: (if applied)</li></ul>	cable)
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Call re	ceived	from	pre-ad	<b>I</b> mission	nurse

- ☐ Call received from registration
- Quit smoking
  - For help, call 1.800.NO.BUTTS (662.8887).
- ☐ Medical equipment received (if applicable)
- ☐ Discuss my discharge plan with my family and friends
- ☐ Surgery date/time:
- ☐ Arrival time (You should receive a call the day before your surgery from your surgeon's office.)



# **Packing checklist**

#### **Medical items:**

<ul><li>☐ CPAP or BIPAP machine (if applicable)</li><li>☐ Medical equipment as instructed by your surgeon</li></ul>
<ul> <li>Home medications:</li> <li>As instructed by pre-assessment nurse and physician.</li> <li>Prescribed rescue inhaler</li> </ul>
Paperwork:
<ul> <li>□ Copy of Advanced Health Directive (if applicable)</li> <li>□ Driver's license or photo ID</li> <li>□ Insurance card</li> </ul>
Personal Items:
☐ Loose-fitting clothes (e.g., shorts, sweats, etc.)

- ☐ Underwear and socks
- Personal toiletries
- ☐ Eyeglasses, contact lenses with case/solution (if preferred after surgery)
- ☐ Dentures or hearing aids with working batteries
- ☐ Phone charger

#### Do not bring:

· Valuables, such as jewelry, credit cards or debit cards

#### **Arriving for surgery**

- Please report to the front desk in the main lobby. When you check in at the desk, you will be asked for your insurance card and identification and will receive a pager.
- A staff member will escort you to your pre-op room. You will change into a gown, and a nurse will start your IV.
- You will meet your anesthesiologist. They will discuss the anesthesia with you, options available and the best anesthesia technique for your medical history.
- You will meet with your surgeon. They will talk with you and will answer any final questions you may have.
- Two family members or support people may wait with you before your surgery.

#### **During surgery**

While you are in surgery, your family will wait in the surgical waiting room, with digital updates available. Surgery times vary depending on the type of surgical procedure. If at any time your family would like an update on your status, they can request that information from our team at the patient advocate desk. When your surgery is complete, the staff will escort your family to a consultation room where your surgeon will discuss your progress.

#### **After surgery**

You will wake up in the Post-Anesthesia Care Unit (PACU) and typically will remain here for one to two hours. During this time, you will be closely monitored until you wake up and your heart rate, blood pressure and breathing are normal. Because this is a small area, your family will remain in the lobby area until you are transferred to your inpatient room.

#### In the PACU:

- You will have an IV in your arm so you can receive medication and fluid.
- You will have oxygen delivered through a tube in your nose.



- You will have a blood pressure cuff on your arm to monitor your blood pressure and a monitor on your finger to watch your oxygen levels.
- You may have a compression device on your legs to help prevent blood clots.
- Your nurse will frequently ask you about your pain and will manage your pain as indicated.

When you meet discharge criteria from the PACU, you will be transferred to your inpatient room. A member of the staff will notify your family, and they will be escorted to your room soon after. Some procedures do not require an overnight stay. Some patients may discharge from the recovery area to home.

#### In your inpatient room

When you are transferred to your inpatient room, your nurse will be monitoring your vital signs (heart rate, temperature, blood pressure and breathing) frequently. You will be placed on a monitor to continuously watch your heart rate and oxygen levels. Our staff will notify your family members and direct them to your inpatient room.

## Your care plan

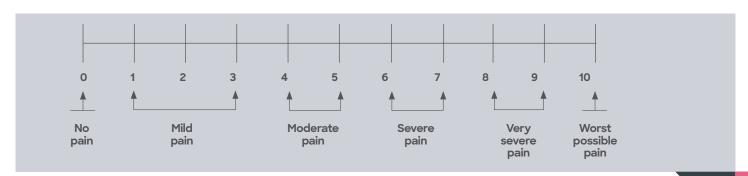
The following is an example of what to expect the first few days after your surgery.

Day of surgery		First day after surgery Following days		
Surgical care	<ul> <li>Use the incentive spirometer</li> <li>10 times every hour while awake.</li> <li>Do 10 ankle pumps every hour while awake.</li> </ul>	<ul> <li>Plan to sit in a chair for all meals.</li> <li>Use the incentive spirometer 10 times every hour while awake.</li> <li>Do 10 ankle pumps every hour while awake.</li> </ul>		
<ul> <li>Sit on the edge of the bed or get into a chair.</li> <li>Walk a short distance with physical therapy.</li> <li>Avoid bending, lifting or twisting as instructed by your surgeon.</li> <li>Do not get out of bed by yourself.</li> </ul>		<ul> <li>Participate with physical therapy.</li> <li>Get out of bed or up to the chair with help.</li> <li>Do not get out of bed by yourself.</li> <li>Continue exercises and slowly increase your walking distance.</li> <li>Practice skills needed for home.</li> </ul>		
Diet	<ul> <li>When it is time to start eating, you will start with clear liquids (chicken broth, juice, Jell-O).</li> <li>If you are tolerating liquids, your diet will be advanced to a regular diet if instructed by your surgeon.</li> <li>Nursing staff will complete a dysphagia (swallowing) screen with ice chips and water before you have additional oral intake.</li> </ul>	<ul> <li>Drink plenty of fluids and include fresh fruits and vegetables.</li> <li>Continue drinking Ensure shakes if you purchased them prior to surgery.</li> </ul>		
Begin oral pain medications. IV pain medication may be given if needed. Notify your nurse if your pain is not under control.     Your home medications will be restarted as approved by your doctor and will be given to you by your nurse.  Bathroom  Call for assistance to get up to go to the bathroom.		<ul> <li>Continue your home medications that are given to you by your nurse.</li> <li>Continue to manage your pain with oral pain pills.</li> </ul>		
Dressing  • You will have a bandage over your incision.		You will be instructed on how to care for your dressing at home.		
Discharge planning  • If ordered by your surgeon, you may meet with a case manager discuss discharge needs.		Arrange to have someone take you home when you leave the hospital.		
Drainage tubing	You may have a drainage tube to drain fluid from your surgery site.	Your drainage tube may be removed today.		

#### Pain

It is important to realize that pain is an integral part of the surgical process. Post-surgical pain helps us to understand your limits when working with physical therapy or when you are moving or walking with your nurse. An increase in pain medication can result in decreased breathing and drowsiness. Because of this, it is important that you are not over sedated with pain medication. We will do our best to keep your pain at a tolerable level; however, it is likely that you will experience some pain after surgery. Your doctor will prescribe different types of pain medications depending on your type of surgery, medical history and pain level.

You will be asked to rate your pain level on a scale of 0 - 10 multiple times throughout your hospital stay. Please familiarize yourself with the pain scale below.



Do not hesitate to ask for pain medication at the first sign of discomfort. Asking for the medication early is better than letting the pain become more severe. If it is too soon for more medication, or if it is not safe to give more medication because of your vital signs or breathing, the nurse may change your position, turn your pillow or try other alternatives until it is safe for more medication.

#### Types of pain medication

The type and amount of pain medication you will receive will be determined by your surgeon based on your medication history and pain level. The different methods in which we will give you pain medications are:

- Oral: After your surgery, you will be started on oral pain medication as soon as possible. This medication will be continued throughout your hospital stay. Common pain medications include Norco (Hydrocodone) and Percocet (Oxycodone).
- IV: The most common IV pain medications that are given after surgery are Dilaudid or Morphine. If oral pain medicine is not controlling your pain, IV medication may be given.

Common side effects of pain medication include decreased respirations/breathing, drowsiness, headache, nausea, vomiting, dizziness, constipation, rash, itching, dry mouth and decreased appetite.

# **Activity/physical therapy**

After your surgery, you will be evaluated by our Physical Therapy Department. They will focus on safe movements and keeping you as active as possible within the limits of your surgery.

# Our physical therapy team will teach you how to:

- □ Log roll in bed
- ☐ Sit on the edge of the bed
- □ Walk from the bed to the chair
- ☐ Walk in the hallway
- ☐ Climb stairs

\*Please do not attempt to get out of bed by yourself. After spine surgery, you have a greater risk of falling. If you would like to get out of your bed, please call your nurse.

# **Spinal precautions**

You may be instructed to avoid these certain movements after your surgery. The length of time for these restrictions varies depending on your surgery. Discuss with your surgeon how long you should avoid these movements.

NO bending at NO lifting greater NO twisting of NO sitting for more than the waist. 30 minutes at a time. than 5 - 10 pounds. your body. Maintain good posture. • Stand straight • Keep ears in line with shoulders Sit tall and shoulders in No slouching line with hips

#### **Exercises**

#### Log roll

The log roll is the safest way to get yourself in and out of bed.

#### Getting out of bed

- 1. While lying on your back, bend your knees. Roll onto your side, keeping your hips and shoulders together as one unit.
- 2. Place your bottom hand underneath your shoulder and your top hand on the bed at chest level.
- 3. Push up to sitting position while slowly lowering your legs to the floor.

#### **Getting into bed**

- 1. Sit on the side of the bed and scoot back as far as you can.
- 2. Slowly lower yourself onto your side, using your arms to help guide and control you. At the same time, lift your legs onto the bed.
- 3. Keeping your shoulders and hips aligned, turn onto your back as one unit.

#### Sleeping

- Position pillows between your legs when lying on your side.
- Use neck and waist support as needed.
- Position pillows under your legs when lying on your back.
- A pillow with neck support is also helpful.

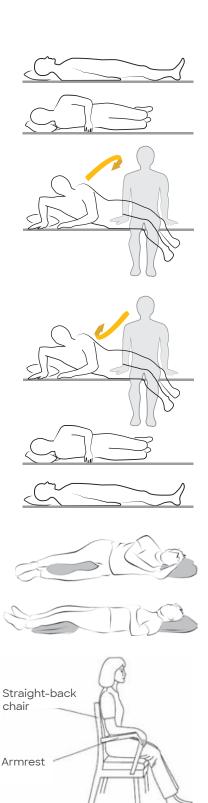
#### Sitting

You may start sitting in a chair soon after surgery. Limit sitting to 30 minutes at a time and sit in a chair that is supported with arms. Your feet must be flat on the floor and your spine must be supported on the back of the chair with a pillow behind you.

#### Climbing/descending stairs

Use handrails for support if available.

Move slowly. Have someone with you for safety until you are comfortable. If you have one leg that is weaker than the other, go up the stairs with your strong leg first. When descending stairs, begin with your weak leg. Remember, "up with the good leg, down with the bad leg."



# Recognizing and preventing complications

Complication	Signs and symptoms	What do I do?	Prevention
Blood clot in your leg (deep vein thrombosis, DVT)	(Signs and symptoms are usually located in the calf of either leg) • Swelling • Warmth/redness • Pain	Call your surgeon	Short, frequent walks during the day     Rest with your legs elevated
Blood clot in your lungs (pulmonary embolism, PE)	<ul> <li>Shortness of breath</li> <li>Coughing</li> <li>Chest pain or chest pain with deep breaths</li> <li>Rapid heartbeat</li> </ul>	Call 911	Short, frequent walks     Rest with your legs elevated
Infection	<ul> <li>Temperature &gt;101.5° (*It is common to run a low-grade temperature (&lt;101.5°) after surgery)</li> <li>Bright red color around your incision</li> <li>Increased pain or swelling around your incision</li> <li>Drainage from your incision site</li> </ul>	Call your surgeon	Follow your surgeon's instructions regarding care of your dressing     Keep pets away from your incision
Constipation	<ul> <li>Having fewer than three bowel movements in one week</li> <li>Straining to have a bowel movement</li> <li>Stools that are hard, dry or larger than normal</li> <li>Pain in the lower abdomen</li> </ul>	Call your surgeon or primary care physician	<ul> <li>Drink lots of fluid</li> <li>Eat high-fiber foods (fruits, vegetables, whole grains)</li> <li>Walk frequently</li> <li>Take constipation medication as ordered by your surgeon</li> </ul>
Hematoma	<ul> <li>Inability to swallow secretions, change in voice quality, high-pitched noisy breathing</li> <li>Any rapid, expansive swelling in the area of surgical site</li> </ul>	Call 911	

# **Returning home**

When you meet discharge criteria, your surgeon will discharge you from the hospital. Most patients will be discharged home, but if you need help getting stronger before going home safely or if you have a medical condition that requires further care, you may be transferred to:

- Inpatient rehab facility
- · Skilled nursing facility
- · Home healthcare

This decision is made between you, your surgeon and your social worker. For further questions regarding care at home, please call a member of our social work team at 214.407.5437.

#### Transitional care clinic

Our commitment to your care and safety doesn't end at discharge. Our Transitional Care Team is here to help bridge the gap between discharge and follow-up appointments. You will receive a telehealth call from one of our transitional care clinic nurse practitioners within 48 hours of discharge to monitor your progress. To improve overall quality of care and to prevent readmissions, participation in this call is highly encouraged. If you have any questions or concerns, you may call or text 214.247.1670 to reach one of our nurse practitioners. Our Transitional Care Team is available seven days a week during normal business hours.

#### Remember

- It is normal to feel anxious about returning home after spine surgery. It is OK to ask your support person, family or friends for help.
- Stay active! Continue the exercises that were taught to you while in the hospital and walk frequently during the day.
- Follow any restrictions and instructions given to you by your surgeon, even if they contradict the information in this book. Call your surgeon's office or the spine coordinator at 214.407.5169 if you have any undertainty.

- Keep an eye on your food and fluid intake.
   Remember to drink plenty of fluids and eat a well-balanced diet.
- Be aware of constipation. This is a common side effect of your pain medication and can cause many problems. Increase fiber and fluids in your diet.

#### Goals for going home

- Communicate an understanding of spinal precautions and positioning in bed.
- · Get in and out of bed without assistance.
- Walk without assistance (with the aid of an assistive device if needed).
- Move from the bed to a chair and walk to the bathroom (with the aid of an assistive device if needed).
- Climb and descend curbs/stairs with the aid of an assistive device and supervision.
- Be able to dress yourself with supervision or with minimal assistance from family.
- Be able to perform your bathing and toileting with supervision or minimal assistance from family.

\*Goals may change based on individual patient needs.

#### **Equipment**

Some patients may require medical equipment after their surgery. Your surgeon and physical therapist will evaluate your needs and determine what equipment, if any, will assist in your recovery.

Your surgeon may require you to wear a brace after your surgery. This brace will usually be provided in your surgeon's office before your surgery. Before you are discharged home, our physical therapists will ensure you are comfortable with putting your brace on/taking it off and how to keep it clean at home. It is important to wear your brace exactly as ordered by your surgeon.

#### **Final thoughts**

For any questions regarding this material, please call **214.407.5169** to speak with our spine coordinator. Again, we thank you for your dedication to preparing for your surgery. We look forward to meeting you soon!

Notes		

Notes	



Complimentary valet service available Monday through Friday, 6:00 AM - 6:00 PM. Registration desk open 5:30 AM - 6:30 PM. The concierge can direct you to destinations throughout the hospital.

#### BSWHealth.com/Frisco 214.407.5000 Main



FRISCO

Joint ownership with physicians

5601 Warren Parkway Frisco, TX 75034

