



St. Mary's Medical Center

Spine Center

A member of CHW

ST. MARY'S SPINE CENTER

PATIENT INFORMATION PACKET FOR

TOTAL DISC REPLACEMENT

The Spine Center utilizes a team approach to care for patients having spine surgery. Specific responsibilities of your team members are outlined below.

- **Surgeons:** Dr. Hsu, Dr. Kondrashov or Dr. Zucherman will perform your surgery. The surgical team communicates daily with your therapists and your nurse regarding your needs and goals.
 - Dr. Ken Hsu: (415) 750-5836
 - Dr. Dimitriy G. Kondrashov: (415) 750-5847
 - Dr. James Zucherman: (415) 750-5835
- **Physician Assistant/Orthopaedic Resident/Spine Surgery Fellow** will be assisting the doctor during surgery and will assist with post-op care. They will be visiting you daily to assess your post-op course.
 - MyLinh Bui, PA-C: (415) 750-5502
 - Kristin Alderisio, PA-C: (415) 750-5725
- **Physical Therapist (P.T.):** Your physical therapist will provide you with information and education regarding your precautions and exercises. Your physical therapist will teach you how to get in and out of bed and how to walk within your restrictions. You will also learn how to monitor your activity and progress safely.
PHYSICAL THERAPY PHONE NUMBER: (415) 668-1000, EXT. 4997
- **Occupational Therapist (O.T.):** Your occupational therapist will help you address daily activities you will encounter at home such as dressing, bathing, showering and toileting. You will learn how to use adaptive tools to make these activities easier and safer within your restrictions.
OCCUPATIONAL THERAPY PHONE NUMBER: (415) 668-1000, EXT 6670
- **Orthopedic Nurse:** Pain control, operative care and safety are provided by your nurse, 24 hours per day.
- **Internist:** The Internist will be available to you during your hospitalization to help monitor post-op medications and other medical concerns which might arise in conjunction with your surgery, if necessary.

POST-OPERATIVE INFORMATION

Following are brief definitions for your information. Your therapist and surgeon will discuss the specific procedure you had performed.

- **Discectomy** - removal of displaced disc material between the vertebral bodies through a larger incision
- **Artificial Disc** - intended to replace a diseased or degenerated intervertebral disc

Pain: After your surgery, you will experience back pain due to the trauma of the operation. You may notice new tightness and pain in your lower back and legs. This is usually due to irritation and/or swelling around nerves involved in the surgery.

Activity/Pain at Home: You will have pain after you leave the hospital. The key to managing your pain at home is activity management. As you heal, the inflammation will decrease and you will be able to increase your activity in small amounts. **You must manage your activities to prevent flare-ups by following the recommendations of your therapists.**

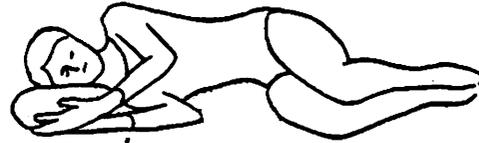
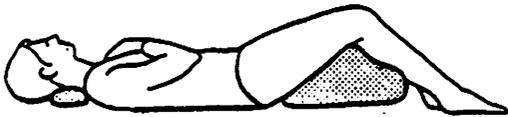
- Pain issues will be managed by your surgeon unless you have a Pain Specialist. All pain medication questions should be referred to the doctor or physician assistant who prescribed your discharge pain medication.

Precautions:

- **Avoid bending forward or twisting in the back.** This could irritate the back and slow your healing.
- If your surgeon ordered a corset for you, wear it for comfort when you get out of bed to maintain support of your spine.

GUIDELINES:

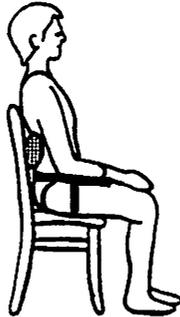
- **Position in Bed** - The most comfortable position is on your back with the knees supported by a pillow and the head of the bed raised slightly. You may lay with the head of the hospital bed up to 45 degrees with the bend at your hips and not at your back. You may lay on your side with a pillow between your knees to prevent twisting.



- **Abdominal Bracing** - The abdominal muscles wrap around your trunk and provide support to the spine when they are tensed or "braced". If your back is supported, it helps to keep the back in a safe position. Practice bracing when you move in bed, sit up and walk. It will help to keep your pain to a minimum. Eventually, this will become automatic and you will have developed a natural support for your spine.
- **Log Rolling** - This is a technique to turn in bed. Tighten stomach muscles, move shoulders and hips at the same time to prevent twisting the spine and roll like a log. Twisting is painful and stressful to the surgical site.
- **Corset** - The corset is optional but we encourage you to try it for a week as it can help give you comfort and security as you heal. You will be instructed by your physical therapist in how to put it on and take it off correctly.
- **Getting Out of Bed** - Log roll then slide your legs over the edge of the bed together. Push on your elbow and hand, bracing your stomach muscles and come to sit with shoulders and hips moving together. Do not bend sideways. Bending sideways is painful and stressful to the graft site.

Gently move buttocks to the edge of the bed. Push with your legs as you stand straight up. Do not bend forward.

- **Sitting** - Sit on high chairs with armrests. Low chairs are difficult to get up and down from while maintaining good posture. Do not sit in chairs with wheels.



- **Walking** - You will walk with your therapist while in the hospital. Walk as far as you can comfortably tolerate. Do not walk with a cane as it tends to make walking asymmetrical. If the physical therapist recommended a walker, use it until you can walk without limping.
- **Toileting:**
 - Use a raised commode in the hospital and at home (see hospital discharge page 6).
 - Refer to sitting precautions (see above).
 - Do not strain to have a bowel movement.

Push with your legs to stand; avoid bending forward as it puts pressure on your back.

- **Bathroom Sink Activities** - Use a cup to spit into while brushing teeth or brush your teeth in the shower. A washcloth is helpful to bring water up to wash your face and a mirror which comes out from the wall can help for activities such as applying makeup or shaving. Use a straight back and bend your knees at the sink but never lean in for a "closer look".
- **Dressing** - Wear loose fitting clothes and lightweight, comfortable walking shoes. Put on shirts in standing while keeping the arms close to the sides of your body. Fasten bras in front, then slide around to the back. Use a reacher or dressing stick to get pants over your feet. Use your sock-aid to put socks on. **DO NOT** reach or twist while getting dressed. Wear elastic laces or slip-on shoes if you do not have help at home to tie your shoes. Your therapists will demonstrate and assist you in proper body mechanics while dressing.

- **Showering** - Keep your back brace on at all times during showering. Use a long-handled sponge to reach your feet and back while maintaining a straight back. Keep arms in close to your body to prevent overreaching and twisting when washing. Keep soap within easy reach - approximately chest height. **DO NOT** bend over to pick up anything off the tub ledge or on the floor. A shower caddy eliminates the need to bend. Use soap on a rope, tie soap in an old nylon stocking to keep from dropping, or use liquid soap. **DO NOT** take a tub bath until cleared by your physician.

- **Kitchen** - Keep lightweight items in the refrigerator at chest height and stand in close to reach them. Keep any dishes/utensils needed to prepare food at counter level where you can easily reach them. Prepare lightweight microwave meals. Keep weight limit at less than 2 pounds (refer to weight list at end of this packet). Brace abdominal muscles when turning on tap at sink; don't bend. **DO NOT** load or unload the dishwasher or cook anything in a standard floor oven.

- **Housework** - Light housework is fine to do. Dusting, cooking, ironing, sweeping and laundry are permitted as long as you use good body mechanics and you keep your 2 pound lifting limit in mind. Vacuuming, mopping, windows, mowing the lawn, etc., are considered heavier chores and are to be avoided until you the physician clears you. If you have any questions as to what constitutes light versus heavy work, **CALL YOUR THERAPIST!**

- **Transportation Home:** Raise the car seat height with a pillow. Sit first, then move your legs in simultaneously while bracing your abdominal muscles. Travel in a reclined position with lumbar spine support in your brace. Get out of the car and walk 5 minutes for every 45 minutes of travel. This will alleviate pain from sitting in the same position during your trip.

- **Driving** - You may not drive until your surgeon approves it. You may not drive in any brace. You may ride as a passenger in a reclined position.

- **Sex** - Do not have sex until you see your physician at your 4-6 week post-operative appointment. Talk with your therapist before you leave the hospital if you have questions.

- **Work** - Consult your physician regarding return to work.

- **Pets** - You cannot walk your dog on a leash until cleared by M.D.

Spine Center Appointments

- Make your 4 - 6 week post-operative appointment with your spine surgeon when you go home.
- If a Pain Specialist has seen you in the hospital, make an appointment with the Pain Specialist on the same day as your post-operative appointment. **The surgeons do not give triplicate pain medication.** These can be obtained from your Pain Specialist at your one month post-operative appointment.

Hospital Discharge

- Your physical therapist will issue any device you need for walking and/or a commode for use at home or make the recommendation for delivery to your home as needed. The occupational therapist will provide the assistive devices you need for dressing and bathing or tell you where they can be purchased.
- **Dental work:** Always take antibiotics before dental cleaning or dental work. Notify your dentist that you have hardware in your body.

REASONS YOU MUST CALL THE SURGEON:

- CHILLS AND NIGHT SWEATS
- NEW WEAKNESS OR NUMBNESS
- FEVERS
- DIFFICULTY CONTROLLING URINATION OR BOWEL MOVEMENTS
- NEW TENDERNESS AND/OR SWELLING IN THE LEGS

Any concerns/questions regarding exercises or physical activities, please contact your therapist.

LUMBAR SPINE POST-OP EXERCISES

The following exercises will be taught by your therapist in the hospital after surgery. These are the only exercises you should do until you are instructed otherwise by your doctor or therapist. Do not attempt these exercises until the physical therapist works with you.

1. Incentive Spirometry:

- Blow out as much air as you can.
- Place mouth over end of spirometer and inhale slowly as the blue ball rises.
- Keep the ball within the arrows.
- 10 times, 3 times per day

2. Abdominal Bracing:

- Place fingers under the ribcage near your naval and tighten stomach muscles gently so that fingers are pushed out slightly.
- Practice holding the muscles tight as you breathe normally.
- 10 times, 3 times per day

3. Ankle Pumps:

- Pump your ankles up and down. 10 times every 2 hours

4. Buttocks Squeeze:

- Pinch buttocks together without arching the back.
- Hold for 5 seconds and relax.
- 10 times, 3 times per day

5. Thigh Squeeze:

- Place a towel roll or pillow under the knee.
- Tighten the thigh as you lift your heel off the bed.
- Hold for 5 seconds and relax.
- 10 times, 3 times per day

6. Passive Straight Leg Raise:

- Lie on your back with one leg bent.
- Loop a sheet or strap around the other foot and gently pull leg up. Keep your knee straight as you lift to the point of stretch.
- Do 3, 3 times per day.

7. Mini-squats:

- Stand with your back against a wall, feet shoulder width apart and turned outward slightly.
- Slide down the wall about 2-4 inches keeping your back straight.
- Push with your legs and buttocks and return to standing.

- Do 10 times, 3 times per day.

DO YOU KNOW THE WEIGHTS OF SOME COMMON OBJECTS?

ATTACHE CASE (HALF FULL)	5 LBS.
BAG OF GROCERIES (LIGHT)	5-6 LBS.
BAG OF GROCERIES (MEDIUM)	9-10 LBS.
4 CHINA PLATES	4.5 LBS.
CHINA COFFEE CUP	0.5 LBS.
2 CHINA SOUP BOWLS	1.5 LBS.
FULL MR. COFFEE CARAFE	4.4 LBS.
GALLON OF ICE CREAM	2 LBS.
S.F. YELLOW PAGES A-L	2.8 LBS.
MEDIUM GLASS MIXING BOWL	2.0 LBS.
DESK TELEPHONE	2.4 LBS.
LARGE CAN OF TOMATO JUICE	3.2 LBS.
1/2 GALLON OF MILK	4.2 LBS.
STEP STOOL	6.1 LBS.
2 SHEETS, 2 PILLOW CASES (DOUBLE BED)	3.2 LBS.

**** POST ON YOUR REFRIGERATOR FOR YOUR REFERENCE ****