*DO NOT SIGN THIS FORM UNTIL YOU HAVE READ IT AND FULLY UNDERSTAND ITS CONTENTS*

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date of Birth: \_\_\_\_\_\_\_\_\_\_\_

Physician: ***Dr. Harish Kempegowda/Dr. Amit Bhandarkar***

The planned procedure:

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Diagnosis: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

After careful consideration, I have decided to undergo surgery to try to lessen my chronic pain. I authorize Dr. Bhandarkar and any assistants as may be selected and supervised by him to perform my surgery. I understand that Harish Kempegowda M.D. is my doctor and that he will participate in and supervise my hospital and surgical care. I understand that, in his absence, other designated physicians and/or assistants might be involved in my follow-up care. I acknowledge and understand that the above procedure or treatment has been explained to me (sometimes referred to as the patient) in layman’s terms. This information is given to me so that I can make an informed decision about having Posterior Decompression/Fusion with instrumentation for Cervical farctur . I also acknowledge that I had the opportunity to ask for clarifications and all my questions have been answered to my utmost satisfaction.

***Expected outcomes***

I understand that the goal of the procedure is not to cure or completely eliminate my chronic pain. The goal of the procedure is to try to reduce my pain to a more tolerable level.

I understand that even with the best efforts and with the most competent care, there is no guarantee that the procedure will result in any improvement.

I understand that treating chronic pain is a difficult task. Sometimes great efforts are spent with minimal or no positive results. Sometimes treatments can paradoxically result in temporary or permanent worsening of the condition. Of course, every effort is made to avoid such circumstances.

***Risks/Complications***

I understand that, even though most of the time anterior cervical surgery is performed safely and with minimal side effects, some risks do exist. They include but are not limited to the following:

***Anesthesia:***

Risks of cardiac arrest/failure, pulmonary failure and/or death. I consent to the administration of anesthesia by the hospital’s anesthesia team. They will explain the anesthetic procedure, risks, and possible complications to me separately.

I understand I may receive conscious sedation based on the nature of the procedure.

***Nerve, spinal cord complications***

Any spine surgery comes with the risk of damaging the nerves or spinal cord. Damage can cause numbness or even paralysis.

***Vascular injury***

Any posterior cervical surgery or upper cervical surgery carries very high risk of major vascular injury which may lead to catastrophic sequence including death.

***Other Spine related complication***

Instability may occur after decompression which might need fixation with instrumentation at the same time or subsequently by a different surgery.

Transitional syndrome is when a spine segment causes extra stress and load to be transferred to the discs and bones above or below the fusion. The added wear and tear can eventually degenerate the adjacent level and cause pain

**Bone graft migration occurs in** rare cases (1 to 2%). The bone graft can move from the correct position between the vertebrae soon after surgery. This is more likely to occur if hardware (plates and screws) is not used or if multiple vertebral levels are fused. If this occurs, a second surgery may be necessary.

***Wound complications and infection:***

The risk of infection increases with the length and complexity of the operation, as well as with other risk factors (for example, diabetes, poor nutrition, advanced age, pulmonary or cardiac disease). Infection can be limited to the wound or the implanted hardware, or spread to the nervous system (meningitis) and/or the blood (sepsis).

Superficial (skin) infection which could result in: need for additional antibiotics or possibly further surgery.

Deep (below the skin) infection which could result in: abscess formation, bone infection or infection of the spinal cord or nerve roots that could result in paralysis and/or death. \*Deep infection would result in need for additional surgery(s) and might seriously jeopardize the expected result of the surgery. There may be a need for prolonged IV antibiotics.

A severe infection might require removal of the hardware, followed by a regimen of intravenous antibiotics.

Dehiscence or re-opening of the wound after closure can increase the risk for infection and will need to be examined for treatment including repeat surgical closure.

***Death***

This is an extremely rare occurrence, and its risks increase with age, with severity of the pre-existing problems (particularly severe heart and lung problems) and with the occurrence of postoperative medical complications.

***Failure and malfunction of the device***

**Bone graft migration occurs in** rare cases (1 to 2%). The bone graft can move from the correct position between the vertebrae soon after surgery. This is more likely to occur if hardware (plates and screws) is not used or if multiple vertebral levels are fused. If this occurs, a second surgery may be necessary.

**Hardware fracture** can occur when the metal screws and plates used to stabilize the spine move or break before the bones are completely fused. If this occurs, a second surgery may be needed to fix or replace the hardware.

There are many reasons why bones do not fuse together. Common ones include smoking, osteoporosis, obesity, and malnutrition. Smoking is by far the greatest factor that can prevent fusion. Nicotine is a toxin that inhibits bone-growing cells. If you continue to smoke after your spinal surgery, you could undermine the fusion process.

***Blood Loss & replacement***

Blood loss during or after surgery can result in the need for blood transfusion or replacement.

Blood from the blood bank would be used and although rare can expose you to the risk of blood borne disease such as hepatitis and AIDS.

***General surgical complications:***

Atelectasis - mechanical pneumonia

Pulmonary embolus (blood clot in the lungs) which can lead to death.

Deep vein thrombophlebitis (blood clot in the leg).

Complications related to urinary catheter.

Urinary tract infection, sepsis/death.

Heart attack due to strain on the heart

Stroke or transient ischemic episodes (TIAs)

***Other potential complications:***

There are many more complications that could occur but they occur so infrequently that are not listed or discussed.

***Complication prevention:***

It is important for you to follow all the instructions provided to you by your surgeon and other care providers. Instructions are provided to assist you in your recovery and reduce the risks of surgical complications. Knowing the complications to be aware of and signs of potential complications help you to identify any problems early. Early discovery and intervention can potentially reduce the severity of complications if they do occur.

***General complication prevention strategies: Pre-op***

Reduce pre-operative anemia by taking oral iron supplements***.*** This can reduce the need for blood transfusions/replacement

Maintain good blood sugar control if you are diabetic***.*** Elevated blood sugar can increase your risks for infection, impair your wound healing***,*** and increase the potential for organ failure such as kidneys.

Maintain good nutritional status before your surgery***.*** This will help your immune system to aid in healing after surgery.

Stop smoking***.*** Smoking can increase your risk of infection***.*** Smoking can increase your risk of blood clots***.*** Smoking can increase your risk of pneumonia***.*** Smoking can impair oxygen to your wound causing delayed or poor healing of the incision. Smoking can increase the risk of surgical failure

**Alternatives to Proposed Surgical Care:**

* Rest and anti-inflammatory medications
* Exercise/physical therapy/re-conditioning
* Spinal Bracing

I understand that alternative methods of treating my condition(s) exist. They have been considered and discussed, but at the present time, my choice is to proceed with an ACDF procedure. If I choose not to have the procedure, I have been informed that my prognosis (my future medical condition) is still fair.

***MRI after surgery***

Materials used in spinal hardware are typically non-magnetic meaning they are safe during MRI scan. However, your surgeon may recommend for some time for healing before you have an MRI. Check with your surgeon if another physician requests and MRI to ensure safety from dislodgement of hardware or re-opening of the wound.

***For women only***:

I represent to my physician that I am not pregnant nor am I breast feeding at this time, and understand that there are risks of sedation or of the procedure to an unborn child.

I also understand that controversy exists about the use of the stimulator during pregnancy. I have had opportunity to discuss this issue with Dr. Bhandarkar (applicable only when appropriate).

***Pain medications***

I understand that patients with pain problems occasionally require a great deal of narcotic medications to suppress their pain. These narcotic medications (e.g. Percocet, Codeine, Demerol, etc.) can be addicting. Medications will be provided on a temporary basis to suppress the pain associated with surgery. However, narcotics will not be prescribed for long-term use.

***Devices***

Implants, devices and/or pharmacologic agents may be used in a manner considered to be an “off-label use” by the FDA. “Off-label use” refers to using a drug, implant or device for a reason not specifically approved by the FDA. The decision of whether or not to use an implant, device or pharmacologic agent for an off-label use is a matter of medical judgment.

***Additional procedures***

I understand that the practice of medicine is not an exact science and that no guarantees or assurances have been made to me concerning the results of this procedure or treatment.  I understand that during the course of the procedure or treatment described above it may be necessary or appropriate to perform additional procedures or treatments that are unforeseen or not known to be needed at the time this consent was given. It may also be necessary or appropriate to have diagnostic studies, tests, anesthesia, x-ray examinations and other procedures performed in the course of my treatment. I consent to and authorize the persons described herein to perform such additional procedures and treatments, as they deem necessary or appropriate.

Depending on the patient’s diagnosis and the procedure or treatment to be performed, it may be necessary or appropriate for tissues and specimens to be removed from the patient’s body. I consent to the removal, testing, retention for scientific or teaching purpose, and disposal of such tissues and specimens within the discretion of the physician, facility or other healthcare provider.

***Photography***

I consent to the taking of photographs or the use of video recording equipment during the procedure for the purpose of medical education.

***Summary***

I have been counseled regarding the nature of the condition for which surgery is proposed. I understand the alternative(s) to surgery. The basic steps of the proposed procedure, the advantages, disadvantages, risks, possible complications, and alternative treatments have been explained and discussed with me.  I understand that there can be no guarantees on a surgical outcome or that a surgical complication will not occur. I understand that the proposed surgical procedure may not completely relieve all the pain I am experiencing and that the possibility exists that the pain I currently have could be the same or worse after the surgery.

Patient’s Printed Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature of Person Giving Consent Date and Time (and relationship to the patient if person giving consent is not the patient)

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If the person giving consent is not the patient, state the reason why the patient is unable to consent: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Witness’ Printed Name/Signature/ Date and Time:

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*Witness’ Signature Date Time \*Consent valid for 30 days from date of signature.*