

جامعة عين شمس
كلية الطب
قسم التخدير والرعاية المركزة

Anesthetic Management for Spine surgery
المعالجة التخديرية للعمليات الجراحية بالعمود
الفكري

**An essay submitted for partial fulfillment
of the master degree in anesthesiology**

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توطئة للحصول على درجة الماجستير في التخدير

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Introduction

Anatomy of The vertebral column

Pathological conditions and lesions affecting the vertebral column

Physiological changes associating pathological conditions and lesions of the vertebral column

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List of abbreviations

<i>SVR</i>	systemic vascular resistance
<i>PPV</i>	Positive pressure ventilation
<i>A-a DO₂</i>	alveolar-arterial oxygen differences
<i>IS</i>	idiopathic scoliosis
<i>VC</i>	vital capacity
<i>CMM</i>	comprehensive manipulative medicine
<i>TLC</i>	total lung capacity
<i>FVC</i>	forced vital capacity
<i>IVC</i>	inferior vena cava
<i>ILMA</i>	intubating laryngeal mask airway
<i>FO</i>	fibre-optic
<i>RSI</i>	rapid sequence induction
<i>NDNMB</i>	non-depolarizing neuromuscular blocking agent
<i>MAP</i>	Mean arterial pressure
<i>CVP</i>	central venous pressure
<i>TOE</i>	Transesophageal echocardiography
<i>PAOP</i>	pulmonary artery occlusion pressure
<i>NSAIDs</i>	Non-steroidal anti-inflammatory drugs
<i>COX 2</i>	cyclo-oxygenase 2
<i>PCA</i>	patient controlled analgesia
<i>FEV1</i>	Forced expiratory volume
<i>TLC</i>	Total lung capacity