

CONTENT

	Page
Introduction.	1
I-Neonatal physiology.	3
1- Physiology of the respiratory system.	4
2- Physiology of the cardiovascular system.	18
3- Physiology of the renal system.	25
4- Body water composition.	27
5- Temperature regulation.	30
II- Pre anesthetic assessment of the neonate.	35
III- Anesthetic management :	
<i>A-General anesthesia.</i>	43
1- Pre anesthetic management.	43
2- Intra-operative management.	46
3- Recovery and post operative care.	77
4- Post operative pain management.	81
<i>B-Regional anesthesia.</i>	85
IV-Common lesions requiring surgery in neonates.	90
1- Cardiovascular problems.	90
2- Respiratory problems	94
3- Gastrointestinal lesions.	100
Summary	109
References	113
Arabic Summary	