

# **World Clinics Anaesth, Critical care,Pain: Analgesia and Anesthesia in Labor and Delivery-II**

## List of Contents

|   |            |
|---|------------|
| <b>History of Labor Analgesia.....</b>                                      | <b>1</b>   |
| <i>Indrani H Chincholi, Falguni R Shah</i>                                  |            |
| <b>Minimum Standards for Providing Analgesia Services.....</b>              | <b>16</b>  |
| <i>Makani Purva</i>   |            |
| <b>Ultrasound Facilitated Neuraxial Block in Labor.....</b>                 | <b>29</b>  |
| <i>Shilpa V Kasodekar, Bhavani S Kodali</i>                                 |            |
| <b>Initiation of Labor Analgesia.....</b>                                   | <b>45</b>  |
| <i>Subrahmanyam Maddirala, Amreeta N Yanamandra</i>                         |            |
| <b>Maintenance of Labor Epidural Analgesia: Pharmacological Issues.....</b> | <b>58</b>  |
| <i>Ban L Sng, Deepak Mathur, Alex TH Sia</i>                                |            |
| <b>Intrapartum Fetal Monitoring and Resuscitation.....</b>                  | <b>69</b>  |
| <i>Aziz Nuzhat, Sailaja Devi</i>  |            |
| <b>Troubleshooting: Making Labor Analgesia Work.....</b>                    | <b>89</b>  |
| <i>Mihaela Podovei, Bhavani S Kodali</i>                                    |            |
| <b>Management and Complications of Neuraxial Labor Analgesia.....</b>       | <b>99</b>  |
| <i>Laura Y Chang, Lawrence C Tsen</i>                                       |            |
| <b>Coagulation Issues and Labor Analgesia.....</b>                          | <b>116</b> |
| <i>Allison G Clark, Michaela K Farber</i>                                   |            |
| <b>Labor Analgesia: Myth and Reality.....</b>                               | <b>130</b> |
| <i>Russell IF, Makani Purva</i>   |            |
| <b>Medicolegal Aspects of Obstetric Anesthesia Practice.....</b>            | <b>145</b> |
| <i>Pratibha Kane</i>  |            |
| <b>Cardiopulmonary Resuscitation in Obstetrics.....</b>                     | <b>161</b> |
| <i>Sheetal R Jagtap, Anita Chhabra</i>                                      |            |

# ANALGESIA & ANAESTHESIA FOR LABOR & DELIVERY

| SECTIONS AND CHAPTERS   |           | 1st Author  |                            | 2nd Author   |                          |   |
|---|-----------|---|----------------------------|--|--------------------------|---|
| <b>SECTION I: OBSTETRIC PATIENT: BASIC SCIENCES</b>               |           |   |                            |  |                          |   |
| 1   | Chapter 1 | Anatomical Changes in Pregnancy & its Practical Implications    | Dr Sunanda Gupta           |  | Dr. Apoorva Gupta        |   |
| 2   | Chapter 2 | Physiological Changes in Pregnancy & its Practical Implications | Dr Anajan Trikha           | <a href="mailto:anjantrikha@hotmail.com">anjantrikha@hotmail.com</a>   | Dr. Preet Mohinder Singh |   |
| 3   | Chapter 3 | Practical Pharmacology in Pregnancy                             | Dr. Ravindra G L           | <a href="mailto:glravindra60@gmail.com">glravindra60@gmail.com</a>   | Dr Abhinav M. S.         |   |
| <b>SECTION II: OBSTETRIC ANALGESIA : WHAT OPTIONS DO WE HAVE?</b> |           |   |                            |  |                          |   |
| 5   | Chapter 5 | Non-Pharmacological Analgesia for labour & delivery             | Dr Dinesh Jagannathan (CA) | MBBS, DA, Clinical Fellow in Obstetric Anesthesiology, Department of Anesthesiology, Perioperative and Pain Medicine, Brigham and Women's Hospital, Harvard Medical School Boston, MA, USA. 63 Baker Place, Newton Lower Falls Massachusetts, USA, 02462 Mobile: 1-609-529-3727 Email: <a href="mailto:jdineshkumarj@yahoo.com">jdineshkumarj@yahoo.com</a> / <a href="mailto:djagannathan@partners.org">djagannathan@partners.org</a> | Dr William Camman        | MD Director of Obstetric Anesthesia, Brigham and Women's Hospital Associate Professor of Anesthesia, Harvard Medical School Boston, MA, USA |
| 6   | Chapter 6 | Systemic & Inhalational Analgesia in labour & delivery          | Dr Upma Mishra             |  | Dr Simon Jones           |   |

|   |            |  |   |  |                           |   |
|---|------------|--|---|--|---------------------------|---|
| 7   | Chapter 7  | Neuroaxial Analgesia : Our Options                   | Dr Sunil Pandya                         |  |                           |   |
| <b>SECTION III: OBSTETRIC ANALGESIA : PRACTICAL POINT OF VIEW</b> |            |  |   |  |                           |   |
| 8   | Chapter 8  | Minimum standards for providing Analgesia services   | Dr. Purva M.                            |  | NIL                       |   |
| 9   | Chapter 9  | Ultrasound facilitated neuroaxial block in labour    | Dr Shilpa Kasodekar                     | Consultant Anesthesiologist, Hinduja HealthCare, Mumbai India. Email: drshe@rediffmail .com<br>Tel: +91 9819987372 | Dr Bhavani Shankar Kodali | MD Vice Chair, Department of Anesthesiology, Perioperative and Pain Medicine Brigham and Women's Hospital, 75 Francis Street, Boston, Ma 02115 Associate Professor, Harvard Medical School, Email: bkodali@partners.org |
| 10  | Chapter 10 | Initiation of Labour Analgesia: Practical Issues     | Dr. M. Subrahmanyamm                    |  | Dr. Amreeta Y.            |   |
| 11  | Chapter 11 | Maintainance of Labour Analgesia; Variuos Techniques | Dr. Ban Leong, Dr D Mathur              |  | Dr Alex Sia               |   |
| 12  | Chapter 12 | Troubleshooting: Make Labour Analgesia work          | Dr Mehaela Poodvai                      | MD, Instructor Anesthesiology Brigham and Women's Hospital Boston, MA, USA.  | Dr Bhavani Shankar Kodali | MD Associate Professor Anesthesiology Brigham and Women's Hospital Boston, MA, USA  |
| 13  | Chapter 13 | Complications & Management of Labour Analgesia       | Laura Y. Chang, MD Lawrence C. Tsen, MD |  | Dr. Lawrence Tsen         |   |
| 14  | Chapter 14 | Coagulation issues and Labour Analgesia              | Dr Allison Clark                        |  | Dr Michaela Farber        |   |

|  |            |  |                      |   |                          |   |
|--|------------|--|----------------------|---|--------------------------|---|
| 15   | Chapter 15 | Myths & Realities : Truth about Labour Analgesia | Dr Ian Russell       | MB, ChB; B Med Biol (Hons); FFARCS, Consultant Anaesthetist, Hull and East Yorkshire Hospitals NHS Trust, Hull Royal Infrmary Anlaby Road, HULL. Russell.f.ian@gmail.com HU3 2JZ. | Dr. Purva M.             | MB, BS; FFARCS; MBA; Mmed, Consultant Anaesthetist and Director of Medical Education. Hull and East Yorkshire Hospitals NHS Trust Hull Royal Infrmary Anlaby Road HULL HU3 2JZ. Makani.Purva@hey.nhs.uk |
| <b>SECTION IV: OBSTETRIC ANAESTHESIA :</b> |            |  |                      |   |                          |   |
| 16   | Chapter 16 | Airway management & General Anesthesia for LSCS  | Wendy H.L. Teoh      | <a href="mailto:teohwendy@yahoo.com">teohwendy@yahoo.com</a>  | NIL                      |   |
| 17   | Chapter 17 | Regional Anaesthesia for Cesarean Section        | Dr Y K Chan          | <a href="mailto:lychang@partners.org">lychang@partners.org</a>  | Dr. Carolyn Chue Wai Yim |   |
| 18   | Chapter 18 | Analgesia following Cesarean Section             | Dr Aruna Parmeshwari |   |                          |   |