

# Contents

## SECTION 1: Introduction to NCDs in Pregnancy

- 1. Causes, Prevention, and Impact of Noncommunicable Diseases in India..... 3**  
*Hrishikesh D Pai, Vidhu Modgil, Ragini Verma*
- 2. Role of Prepregnancy Counseling in Noncommunicable Diseases ..... 8**  
*Jayam Kannan, Rishma Dhillon Pai, Rekha Jha, Priya Kannappa Rajendran, Prashitha P*

## SECTION 2: Pregnancy-specific Conditions

- 3. Gestational Hypertension and Preeclampsia..... 19**  
*Mini Nampoothiri, Suchitra Pandit, Niranjan Chavan*
- 4. Gestational Diabetes Mellitus..... 28**  
*Sampath Kumari, Hema Divakar, Uday Thanawala*
- 5. Peripartum Cardiomyopathy ..... 34**  
*Neharika Malhotra, Shantha Kumari, Basab Mukherjee, Sapna Thakur Sharma*
- 6. Obstetric Fistula ..... 40**  
*Udayan Sarkar, Manisha Ghate, Bhaskar Pal*

## SECTION 3: Cardiovascular System

- 7. Cardiac Disorders in Pregnancy..... 57**  
*Prakash K Mehta, Nandita Palshetkar, Kalyan Baramade*
- 8. Chronic Hypertension in Pregnancy ..... 69**  
*Girija Wagh, Sanjay Gupte, Indranil Dutta*

## SECTION 4: Blood

- 9. Management of Sickle Cell Disease in Pregnancy..... 81**  
*Manoj Chellani, Madhuri Patel, Archana Kumari*
- 10. Thalassemia and Pregnancy..... 86**  
*Satabdi Dey, Narendra Malhotra, Alka Pandey*

## SECTION 5: Respiratory Disorders

- 11. Chronic Obstructive Pulmonary Disease in Pregnancy ..... 95**  
*Nalini Anand, Laxmi Shrikhande, Ashwini Kale*

<b>12. Tuberculosis and Pregnancy .....</b>	<b>99</b>
<i>Gaurav Desai, Maitreyee Parulekar</i>	
<b>13. Asthma in Pregnancy.....</b>	<b>108</b>
<i>Kavita Mandrelle Bhatti, Jaideep Malhotra, Anita Sabharwal</i>	

## SECTION 6: Endocrinological Disorders

<b>14. Pregestational Diabetes.....</b>	<b>117</b>
<i>Reena Wani, Alpesh Gandhi, Parikshit Tank</i>	
<b>15. Hypothyroidism in Pregnancy.....</b>	<b>122</b>
<i>Manisha T Kundnani, PC Mahapatra, Vinita Singh</i>	
<b>16. Hyperthyroidism in Pregnancy.....</b>	<b>127</b>
<i>Vaishali Korde-Nayak, TRamani Devi, Komal Chavan</i>	
<b>17. Adrenal Insufficiency in Pregnancy .....</b>	<b>134</b>
<i>Indrani Roy, Jaydeep Tank, Rohan Palshetkar</i>	

## SECTION 7: Renal Disorders

<b>18. Pregnancy with Chronic Kidney Disease.....</b>	<b>143</b>
<i>Manila Kaushal, Lila Vyas, Asha Baxi</i>	
<b>19. Asymptomatic Bacteriuria in Pregnancy .....</b>	<b>150</b>
<i>Rajshree D Katke, Deepti Prasad</i>	
<b>20. Postrenal Transplant and Pregnancy .....</b>	<b>155</b>
<i>Chitra Thyagaraju, Alka Kriplani, Vineet Mishra</i>	

## SECTION 8: Neurological Disorders

<b>21. Stroke in Pregnancy.....</b>	<b>167</b>
<i>Dinesh Pathak, MS Sujatha, Shyjus P</i>	
<b>22. Epilepsy and Pregnancy .....</b>	<b>178</b>
<i>Manisha Madhai Beck, Ambarisha Bhandiwad, Aditi Nadkarni</i>	

## SECTION 9: Gastrointestinal Tract

<b>23. Liver Disorders in Pregnancy.....</b>	<b>187</b>
<i>Nivedita Jha, Yashodhara Pradeep, Suma KB</i>	

## SECTION 10: Cancers

- 
- |  |            |
|--|------------|
| <b>24. Breast Cancer and Pregnancy .....</b>         | <b>203</b> |
| <i>Charulata Bapaye, PK Shah, Sneha Bhuyar</i>       |            |
| <b>25. Ovarian Cancer and Pregnancy .....</b>        | <b>211</b> |
| <i>PM Gopinath, Neerja Bhatla, Bhagyalaxmi Nayak</i> |            |

## SECTION 11: Miscellaneous

- 
- |  |            |
|--|------------|
| <b>26. Managing the Obese Pregnant Patient .....</b>                               | <b>223</b> |
| <i>Bindhu KS, Prakash Trivedi, Aditi Trivedi</i>                                   |            |
| <b>27. Medicolegal Implications of Noncommunicable Disease.....</b>                | <b>231</b> |
| <i>Monica S Umbardand, MC Patel, Suvarna Khadilkar</i>                             |            |
| <b>28. Pregnancy and Lactation-associated Osteoporosis and Osteoarthritis.....</b> | <b>234</b> |
| <i>Tamkin Khan, Swati Rathore, Elza Rebecca Kharsyntiew, Shaheen Hokabaj</i>       |            |
| <b>29. Mental Illness including Postpartum Depression .....</b>                    | <b>239</b> |
| <i>Raghavendra Prasad, Seema Rao, Parag Biniwale, Athulya Shajan</i>               |            |
| <b>30. Infectious Diseases with Noninfectious Sequelae .....</b>                   | <b>246</b> |
| <i>Deepa Kala, Ashok Kumar, Supriya Jaiswal</i>                                    |            |
| <b>31. Maternal Fetal Outcomes of Tobacco Use during Pregnancy .....</b>           | <b>255</b> |
| <i>AG Radhika, Charmila Ayyavoo, Priyankur Roy</i>                                 |            |
| <b>32. The Fetal Origin of Adult Disease: An Overview .....</b>                    | <b>260</b> |
| <i>Chinmayee Ratha, Seetha Ramamurthy Pal, Pooja Lodha</i>                         |            |
| <b>33. Role of Nutrition in Noncommunicable Diseases .....</b>                     | <b>268</b> |
| <i>Egbert Saldanha, Shruti Thakkar, Tania Saldanha</i>                             |            |
| <b>Index .....</b>   | <b>271</b> |