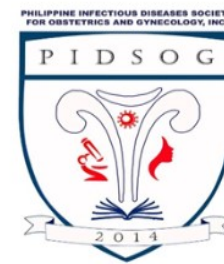


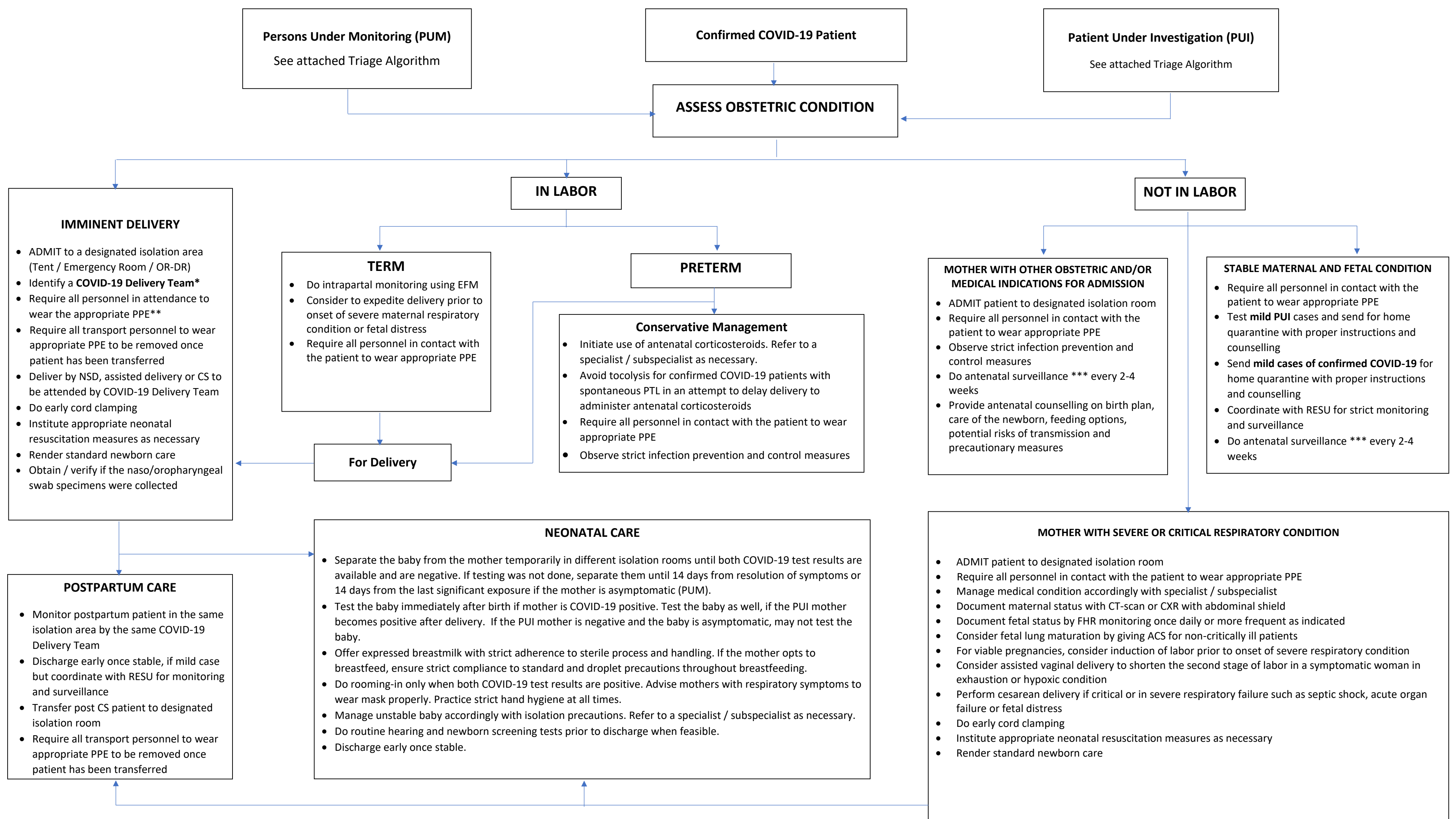


**PHILIPPINE OBSTETRICAL AND GYNECOLOGICAL SOCIETY (Foundation), INC.  
PHILIPPINE PEDIATRIC SOCIETY**



**PHILIPPINE INFECTIOUS DISEASES SOCIETY FOR OBSTETRICS AND GYNECOLOGY \* PHILIPPINE SOCIETY OF MATERNAL AND FETAL MEDICINE \*  
PHILIPPINE SOCIETY OF NEWBORN MEDICINE \* PEDIATRIC INFECTIOUS DISEASE SOCIETY OF THE PHILIPPINES**

**APPROACH TO THE MANAGEMENT OF COVID-19 IN PREGNANCY AND THE NEWBORN**



**Legend:** COVID-19 – Corona Virus Disease 2019; PUI – Patient Under Investigation; PUM – Persons Under Monitoring; PPE – Personal Protective Equipment; ACS – Antenatal Corticosteroids; PTL – Preterm Labor; RESU – Regional Epidemiology and Surveillance Unit

\* **COVID-19 Delivery Team** – Obstetrician (1-2); Pediatrician (1-2); Anesthesiologist (1); Nurse (1-2)  
 \*\* **Appropriate Personal Protective Equipment** – 1. Well-fitting N95 mask (fit-tested); 2. Eye protection (goggles or face shield); 3. Impermeable gown; 4. Surgical gloves; 5. Shoe cover. The reader is referred to the Guidelines on Infection Control for COVID-19.  
 \*\*\* **Antenatal Surveillance** – Growth monitoring, AFI with UmA doppler; Detailed anatomic scan at 18-24 weeks for infection acquired during 1<sup>st</sup> and early 2<sup>nd</sup> trimester

**Disclaimer:** This guideline was formulated through a collaborative effort from the above professional societies mainly to guide clinicians who will be handling COVID-19 in this special population. The recommendations were made after careful review of currently available limited published data with the consensus of a panel of experts. We will be updating this guideline accordingly as more information becomes available as this disease is still evolving. This can be adopted and modified based on your institution’s capacity and standing policies.

References:

1. Academy of Breastfeeding Medicine. ABM STATEMENT ON CORONAVIRUS 2019 (COVID- 19) March 10, 2020. ( Retrieved from <https://www.bfmed.org/abm-statement-coronavirus> 12 March 2020)
2. Alfaraj SH, Al-Tawfiq JA, Memish ZA. Middle East Respiratory Syndrome Coronavirus (MERSCoV) infection during pregnancy: Report of two cases & review of the literature. J Microbiol Immunol Infect 2019 Jun;52(3):501-3.
3. American College of Obstetricians and Gynecologists Practice Advisory: Novel Coronavirus 2019 (COVID-19) March 13, 2020
4. Centers for Disease Control and Prevention. Interim Considerations for Infection Prevention and Control of Coronavirus Disease 2019 (COVID-19) in Inpatient Obstetric Healthcare Settings. 2020. (Retrieved from: <https://www.cdc.gov/coronavirus/2019ncov/hcp/> 12 March 2020)
5. Chen H, Guo J, Wang C, Luo F, Yu X, Zhang W et al. Clinical characteristics and intrauterine vertical transmission potential of COVID-19 infection in nine pregnant women: a retrospective review of medical records. Lancet. 2020;395(10226):809-15. Epub 2020/03/11. doi: 10.1016/S0140-6736(20)30360-3. PubMed PMID: 32151335 (Retrieved 12 March 2020)
6. Chen Y, Peng H, Wang L, Zhao Y, Zeng L, Gao H et al. Infants Born to Mothers With a New Coronavirus (COVID-19). Front. Pediatr., 16 March 2020. <https://doi.org/10.3389/fped.2020.00104> (Retrieved 17 March 2020)
7. Dotters-Katz S & Hughes BL. Society for Maternal Fetal Medicine. Coronavirus (COVID-19) and Pregnancy: What Maternal-Fetal Medicine Subspecialists Need to Know 13 March 2020 (Retrieved from: [https://s3.amazonaws.com/cdn.smfm.org/media/2262/COVID19\\_PDF.pdf](https://s3.amazonaws.com/cdn.smfm.org/media/2262/COVID19_PDF.pdf) 12 March 2020)
8. Guillaume Favre, et al, Guidelines for pregnant women with suspected SARS-CoV-2 Infection, [www.thelancet.com](http://www.thelancet.com), March 3, 2020, DOI: [https://doi.org/10.1016/S1473-3099\(20\)30157-2](https://doi.org/10.1016/S1473-3099(20)30157-2).
9. Huaping Zhu, et al, Clinical analysis of 10 neonates born to mothers with 2019-nCoV pneumonia, Transl Pediatr. 2020 Feb; 9(1): 51-60; doi: 10.21037/tp.2020.02.06.
10. Huijun Chen, et al, Clinical characteristics and intrauterine vertical transmission potential of COVID-19 Infection in nine pregnant women: a retrospective review of medical records, [www.thelancet.com](http://www.thelancet.com) Vol 395, March 7, 2020.
11. Japanese Society for Neonatal Health and Development. Recommended measures to a new type coronavirus infection in newborn infants. Feb 28, 2020.
12. Korean Society of Neonate (KSN). Coronavirus Infection-19 Neonatal Care Born from Confirmed or Suspected Patients Manual for Neonates. March 4, 2020.
13. Lu Qi, MD, PhD and Shi Yuan, MD, PhD. Coronavirus disease (COVID-19) and neonate: What neonatologist need to know, Journal of Medical Virology, February 26, 2020.
14. Na Li, et al, Maternal and neonatal outcomes of pregnant women with COVID-19 pneumonia: a case-control study, <https://doi.org/10.1101/2020.03.10.20033605>.
15. Poon et al. ISUOG Interim Guidance on 2019 novel coronavirus infection during pregnancy and puerperium: information for healthcare professionals. 2020.
16. Rasmussen S, Smulian J, Lednický J, et al. Coronavirus Disease 2019 (COVID-19) and Pregnancy: What obstetricians need to know. American Journal of Obstetrics and Gynecology 2020 doi: <https://doi.org/10.1016/j.ajog.2020.02.017>.
17. Royal College of Obstetrics and Gynecology (RCOG). Coronavirus (COVID-19) Infection in Pregnancy. Version 2. 13 March 2020.
18. Royal College of Pediatrics and Child Health.(RCPCH). COVID-19 - guidance for paediatric services. 13 March 2020.
19. Schwartz, David A. An Analysis of 38 Pregnant Women with COVID-19, Their Newborn Infants, and Maternal-Fetal Transmission of SARS-CoV-2 Infections and Pregnancy Outcomes. Archives of Pathology and Laboratory Medicine; doi: 10.5858/arpa.2020-0901-SA.
20. Schwartz, David A. Potential Maternal and Infant Outcomes from Coronavirus 2019-nCoV (SARS-CoV-2) Infecting Pregnant Women: Lessons from SARS, MERS, and Other Human Coronavirus. Viruses, February 10, 2020.
21. Shaoshuai Wang et, al, A Case Report of Neonatal COVID-19 Infection in China.
22. Wong SF, Chow KM, Leung TN, Ng WF, Ng TK, Shek CC, et al. Pregnancy and perinatal outcomes of women with severe acute respiratory syndrome. Am J Obstet Gynecol 2004 Jul;191(1):292-7.
23. WORLD HEALTH ORGANIZATION (WHO). Clinical management of severe acute respiratory infection (SARI) when COVID-19 disease is suspected Interim guidance 13 March 2020 (Retrieved 15 March 2020).
24. Yan Chen, et al, Infants Born to Mothers with a New Coronavirus (COVID-19), Case Report, Frontiers in Pediatrics, March 16, 2020, doi: 10.3389/fped.2020.00104.
25. Zhu H, Wang L, Fang C, Peng S, Zhang L, Chang G et al. Clinical analysis of 10 neonates born to mothers with 2019-nCoV pneumonia. Transl Pediatr. 2020;9(1):51-60. Epub 2020/03/11. doi: 10.21037/tp.2020.02.06. PubMed PMID: 32154135; PMCID: PMC7036.



(Front Row)

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 ERWIN R. DE MESA, M.D. (President, PIDSOG) second to the right  
 MARJORIE I. SANTOS, M.D. (President, PSMFM) first from left  
 BELEN AMPARO E. VELASCO, M.D. (President, PSNBM), first from right

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(Not in the picture)

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