• COVID-19 in South Australia – local experience

- COVID-19 Global experience and outcomes
- Clinical Guidelines
- Post natal and breastfeeding advice
- Long term outcomes
 - Mental health
- Vaccination who, what, when, does it pass to the baby

• SA had been largely spared a large scale outbreak

- Opening of borders November 2021 saw rapid increase in numbers
- Mixed delta and omnicron
- Now vast majority of random samples of positive results are omnicron
- 1st positive case called through to covid care team at FMC 16/12/2021
- 1st COVID positive delivery at FMC 24th Dec 2021

- Data collection incomplete
 - Rapid rise in case numbers
 - No clear linking of data systems
- Total numbers
 - ??????
- Number of ICU admissions
 - 2 both unvaccinated
- Antenatal admissions due to COVID
 - 2 3 per week
 - Most are admissions WITH covid not because of covid

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• Staying on top of the evidence and most recent advice is difficult

- Advice changes rapidly
- National taskforce set up to create living guidelines
 - <u>https://covid19evidence.net.au</u>
- Isolation, testing, clearance
 - SA Health
- SA COVID maternity pathway
- MAB infusion pathway
 - https://www.sahealth.sa.gov.au/wps/wcm/connect/Public+Content/SA+Health+Inter net/Conditions/Infectious+diseases/COVID-19/Health+Professionals/Monoclonal+Antibody+Infusion+Application

• Rooming in as per normal in hospital

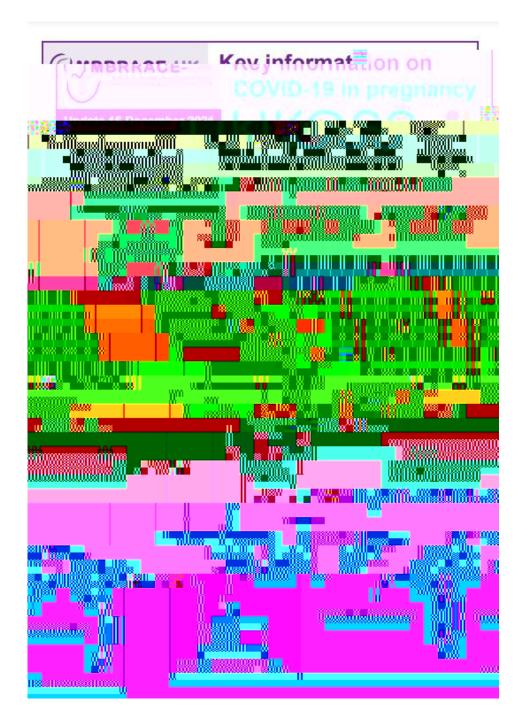
- Breastfeeding
 - Encouraged
 - Small amounts of antibody found in breastmilk
 - Advise to wear mask and practice hand hygiene while in infectious period
- Consider DVT prophylaxis
 - RCOG guidance if VTE score >2 for 14 days clexane

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- Current vaccinations approved for use in pregnancy
 - Pfizer
 - Primary course and booster
 - Moderna
 - Primary course
 - Novavax
 - Primary course only provisional TGA approval
- Current vaccine uptake in pregnant population
 - Difficult to assess
 - FMC data suggests in region on 40 50%
 - Less so in other LHN
 - Nationally there is an increase in vaccination rates in the childbearing age group

- Vaccine myths
 - It crosses the placenta/will alter my or my baby DNA
 - MRNA broken down very quickly
 - In contrast new studies are showing a placentitis and SARS-COV is being isolated in the placentas of women who have had a stillbirth due to COVID infection
 - Higher levels of antibody in cord blood following vaccination vs natural infection

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 https://www.npeu.ox.ac.uk/assets/do wnloads/npeu-news/MBRRACE-UK_Rapid_COVID_19_DEC_2021_-__Infographic_v13.pdf

- Rass, V., Beer, R., Schiefecker, A.J., Kofler, M., Lindner, A., Mahlknecht, P., Heim, B., Limmert, V., Sahanic, S., Pizzini, A. and Sonnweber, T., 2021. Neurological outcome and quality of life 3 months after COVID 19: A prospective observational cohort study. *European journal of neurology*, *28*(10), pp.3348-3359.
- Jorgensen SCJ, Burry L, Tabbara N. Role of maternal COVID-19 vaccination in providing immunological protection to the newborn. Pharmacotherapy. 2022 Jan;42(1):58-70. doi: 10.1002/phar.2649. Epub 2021 Dec 15. PMID: 34816467.
- Barbara Chmielewska, Imogen Barratt, Rosemary Townsend, Erkan Kalafat, Jan van der Meulen, Ipek Guroi-Urganci, Pat O'Brien, Edward Morris, Tim Draycott, Shakila Thangaratinam, Kirsty Le Doare, Shamez Ladhani, Peter von Dadelszen, Laura Magee, Asma Khalil. Effects of the COVID-19 pandemic on maternal and perinatal outcomes: a systematic review and meta-analysis. Lancet Glob Health 2021; 9: e759–72 Published Online March 31, 2021 https://doi.org/10.1016/ S2214-109X(21)00079-6