

## **ACKNOWLEDGEMENTS:**

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This guideline summary, produced by the Perinatal Society of Singapore and endorsed by the Obstetrical & Gynaecological Society of Singapore and Exercise is Medicine Singapore, acts as an educational aid and reference for healthcare professionals practicing in Singapore. The guideline summary does not define a standard of care, nor is it intended to dictate an exclusive course of management. It presents recognized clinical methods and techniques for consideration by practitioners for incorporation into their practice. It is acknowledged that management may vary and must always be responsive to the need of individual patients, resources, and limitations unique to the institution or type of practice.

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## PHYSICAL ACTIVITY & EXERCISE RECOMMENDATIONS

- Physical activity has minimal risks most and should be encouraged in pregnancy
- Physical activity has shown to be beneficial in women with uncomplicated pregnancies
- Physical activity is safe for women their pregnant fetuses in the absence of any obstetric contraindications and medical complications

- It is essential for women to maintain exercise in the postpartum period
- Healthy women with uncomplicated pregnancies should aim to accumulate at least minutes of moderateintensity physical activity each week
- Pregnant women with certain medical conditions should not exercise and should consult their health care provider early

MATERNAL AGE (yrs)	FITNESS LEVEL/BMI	HEART RATE RANGE beats/min *	FREQUENCY	TYPE OF EXERICES
< 20	ı	140 - 155	Begin 3 times per week and progress to 4 times a week or accumulate at least 150 minutes of moderate intensity physical per week	Warm-up and cool-down exercise in any physical activity
20 - 29	Low Active BMI> 25 kg/m2	129 - 144 135 - 150 102 - 124		regimen  Recommended activities  Walking, swimming, stationary cycling, low-impact aerobics, modified Yoga, Pilates modified, aqua-fitness.
30 - 39	Low Active BMI> 25 kg/m2	128 - 144 130 - 145 101 - 120		
				Activities to be avoided: Contact sports, activities with a high risk of falling, scuba diving, sky diving, hot yoga or hot Pilates

- Rating of Perceived exertion (RPE) of 12-14 (somewhat hard is appropriate for most pregnant women)
- Additional "Talk test" that allow one to keep up a conversation for final check to avoid

Adapted from PARmed-X for Pregnancy 2015

- precautions while exercising to minimise injury
- Pregnant women should take into account safety considerations with regard to exercise
- Pregnant women should take 9. The intensity of exercise can be safely monitored in pregnancy
  - 10. Pregnant women with warning signs should stop exercising and seek immediate medical attention

## SAFETY PRECAUTIONS OF PRENATAL PHYSICAL ACTIVITY

- Avoid physical activity in excessive heat.
- · Avoid activities which involve physical contact or danger of falling.
- · Avoid scuba diving.
- Maintain adequate nutrition and hydration—drink water before, during and after physical activity.
- Those considering athletic competition or exercising significantly above the recommended guidelines should seek supervision from an obstetric care provider with knowledge of the impact of high-intensity physical activity on maternal and fetal outcomes.

## REASONS TO STOP PHYSICAL ACTIVITY AND CONSULT A HEALTHCARE PROVIDER

- Persistent excessive shortness of breath that does not resolve on rest
- Severe chest pain
- Regular and painful uterine contractions
- Vaginal bleeding
- Persistent loss of fluid from the vagina indicating rupture of the membranes
- Persistent dizziness of faintness that does not resolve on rest