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The Impact of Exercise on Pregnant Women Aged 18-40 and Fetal Development

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The Impact of Exercise on Pregnant Women Aged 18-40 and Fetal Development Jinisha Patwa

Background



Total

 8.38 ± 3.65^{d}

Search terms: Pregnancy, exercise, fetal development, maternal development, gestational diabetes mellitus, gestational weight gain

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Results

ntensity, weight rly in pregnancy growth rate and he risks of excess gain and high maternal pregnancy.			 Exercise-induction leads to increat fetal growth the second second	
			EXER OFFEF	
educes the s mellitus.	e risk of		Larger nutr	
			Increased fitness and toting arou	
Exercise group	Statistical sign	ificance	Le	
26 ± 2 225 ± 15 327 ± 16 462 ± 18	P = .04 P = .02 P = .00 P = .05	4		
Control group	OR (95% CI)	Р	Socioeconomic fa	
54 (40.6), n = 133	0.412 (0.240—0.705)	<.001	programs.	
4 96 + 0 51 ⁰		001	Small sample size	
$8.57 \pm 1.86^{\circ}$	/	.009	all pregnant wom	
7.03 ± 1.62 ^c	/	.009	Differences in die obtained.	
$5.92\pm2.58^{\rm c}$	/	<.001		
$\textbf{4.59} \pm \textbf{2.31}^{\textbf{e}}$	/	.9	lwould like to these 5	
$10.47 \pm 3.33^{\mathrm{e}}$	1	<.001	department for their g	
			1. Clapp, J.F., Kim, H., & Lop Effect on fetoplacental grow 2. Wang C, et al (2017). A ran gestational diabetes mellitus	



Discussion

ced improvements in placental function ases in nutrient delivery and appropriate rough the course of gestation.

exercise early enhances maternal and ring and after pregnancy.

CISE DURING PREGNANCY RS BIG, LASTING BENEFITS



Limitations

actors may influence access to exercise

e may limit the generalizability of the study to nen.

etary intake may affect the measurements

Acknowledgements

Dr. Jillian Baker and the Medical Scholarship guidance.

bez, B. (2000). Beginning regular exercise in early pregnancy: vth. Am J Obstet Gynecol, 183(6), 1484-1488. ndomized clinical trial of exercise during pregnancy to prevent is and improve pregnancy outcome in overweight and obese pregnant women. Am J Obstet Gynecol, 216(4), 340-351