those naving had an	y exposure to Ramadan (All Ramadan coincided	Even even and to	P value	
		outside the pregnancy	Ever exposed to Ramadan (any days	P value	
		(n=48)	coincided ≥ 1)		
N= 345		(11-+0)	(n=297)		
Maternal Demogra			$(\Pi - 2 \mathcal{I} \mathcal{I})$		
Ethnicity (%):	1.Arab	35.4	41.4	p=0.5	
• • •	2.Indian	52.1	41.1	1	
	3.Asian	10.4	9.4		
	4.Other	2.1	8.1		
Age at pre	Age at pregnancy (years)		31.3 ± 5.2	p=0.5	
Initial Weight (kg.)		64.2 ± 10.9	66.3 ± 14.6	p=0.4	
Final V	Veight (kg.)	75.6 ± 10.5	78.8 ± 14.2	p=0.1	
Weight gain during pregnancy (kg)		12.2 ± 6.3	12.2 ± 5.5	p=1.0	
Pre pregnancy BMI (kg/m ²)		25.2 ± 4.3	$26.4\pm~5.7$	p=0.2	
Family History (%)		67.3	59.0	p=0.3	
Parity(%):				p=0.5	
0 (Primip)		44.0	36.5		
1		22.0	28.0		
≥ 2 (Multip)		34.0	35.5		
GDM Diagnosis &	Intervention				
OGTT	0 minutes	4.8 ± 0.6	5.0 ± 0.9	p=0.2	
Results:	60 minutes	10.0 ± 1.5	10.3 ± 1.7	p=0.2	
	120 minutes	8.4 ± 1.5	8.7 ± 1.6	p=0.3	
	AUC	995 ± 117	1017 ± 154	p=0.4	
Gestation at diagnosis of GDM (weeks)		24.3 ± 7.8	25.5 ± 6.3	p=0.2	
Insulin Treatment (%)		56.9	56.5	p=0.9	
Gestation Insulin commenced (weeks)		28.9 ± 5.0	28.4 ± 6.4	p=0.7	
Maximum insulin dose (units)		34[18-54]	34[16-62]	P=0.9	

Supplementary Table1:The demographic characteristics of the women not exposed to Ramadan (n=48) and those having had any exposure to Ramadan (n=297).*

*Data are %; mean \pm SD; or median [IQR].

SUA			LGA			SGA		
Analysis		OR	95%CI	Р	OR	95%CI	Р	
i mary bib	Model 1*	ÖR	<i>757</i> 0C1	1	Model		1	
	Never exposed to Ramadan	Ref.			Ref.	-		
	1–10 days exposure	0.1	0-100	0.9	0.1	0-100	0.9	
	11-20 days exposure	0.7	0.07-6.8	0.7	1.0	0.2-4.5	0.9	
Days	21-30 days exposure	1.6	0.4-5.3	0.5	0.4	0.1-1.1	0.08	
exposure	Model 2¶			Model 2¶				
analysis	Never exposed to Ramadan	Ref.			Ref.			
	1–10 days exposure	0.1	0-10	1.0	0.1	0-10	0.7	
	11-20 days exposure	0.6	0.06-6.4	0.7	1.0	0.2-4.4	1.0	
	21-30 days exposure	1.6	0.5-5.6	0.5	0.4	0.1-1.1	0.07	
	Model 1*				Model 1*			
	Never exposed to Ramadan	Ref.			Ref.			
	Fasting period/day >12 – 13 hours	1.0	0.2-6.4	1.0	N/A	N/A	N/A	
	Fasting period/day >13 - 14 hours	1.1	0.3-4.8	0.9	N/A	N/A	N/A	
	Fasting period/day >14 - 15 hours	1.5	0.3-7.1	0.6	N/A	N/A	N/A	
Hours	Fasting period/day >15 - 16 hours	2.2	0.6-8.5	0.2	N/A	N/A	N/A	
exposure	Model 2§				Model 2	2§		
(duration	Never exposed to Ramadan	Ref.			Ref.			
of daily	Fasting period/day >12 - 13 hours	0.4	0.02-5.1	0.4	N/A	N/A	N/A	
fasting)	Fasting period/day >13 - 14 hours	0.6	0.08-3.9	0.6	N/A	N/A	N/A	
analysis	Fasting period/day >14 - 15 hours	2.8	0.4-18.2	0.3	N/A	N/A	N/A	
	Fasting period/day >15 - 16 hours	1.1	0.2-6.2	0.9	N/A	N/A	N/A	
	Model 1*				Model	1*		
	Never exposed to Ramadan	Ref.			Ref.			
	1 st Trimester exposure	1.1	0.2-5.2	0.9	0.5	0.1-1.9	0.3	
	2 nd Trimester exposure	1.1	0.2-4.8	0.9	0.3	0.07-1.3	0.1	
Trimester	3 rd Trimester exposure	1.8	0.4-7.5	0.4	0.5	0.1-2.0	0.3	
exposure	Model 2§			Model 2§				
analysis	Never exposed to Ramadan	Ref.			Ref.			
	1 st Trimester exposure	0.5	0.05-4.7	0.5	0.6	0.1-2.6	0.5	
	2 nd Trimester exposure	0.7	0.09-5.1	0.7	0.2	0.04-1.2	0.08	
	3 rd Trimester exposure	1.8	0.3-12.0	0.5	0.5	0.1-2.3	0.4	

Supplementary Table 2:Relationship between Ramadan exposure in GDM and Neonatal outcomes LGA and SGA

* Unadjusted model

¶ Adjusted for gestational age at delivery, gender, ethnicity, maternal age, and hypertensive disorders of pregnancy.

\$Adjusted for gestational age at delivery, gender, ethnicity, maternal age, mother weight gain, patient weight before pregnancy, and hypertensive disorders of pregnancy.

	• •	Birth v	veight
Analysis		T value	P
-	Model 1*		
	Never exposed to Ramadan	Ref.	
	1–10 days exposure	0.6	0.5
	11-20 days exposure	0.8	0.4
Days	21-30 days exposure	1.2	0.2
exposure	Model 2§		
analysis	Never exposed to Ramadan	Ref.	
	1–10 days exposure	0.9	0.3
	11-20 days exposure	-0.3	0.8
	21-30 days exposure	0.5	0.6
	Model 1*		
	Never exposed to Ramadan	Ref.	
	Fasting period/day >12 – 13 hours	-0.2	0.8
	Fasting period/day >13 – 14 hours	0.5	0.6
	Fasting period/day >14 – 15 hours	1.0	0.3
Hours	Fasting period/day >15 - 16 hours	2.0	0.05
exposure	Model 2§		
(duration	Never exposed to Ramadan	Ref.	
of daily	Fasting period/day >12 – 13 hours	0.1	0.9
fasting)	Fasting period/day >13 – 14 hours	-0.3	0.8
analysis	Fasting period/day >14 – 15 hours	0.7	0.5
	Fasting period/day >15 – 16 hours	0.9	0.4
	Model 1*		
	Never exposed to Ramadan	Ref.	
	1 st Trimester exposure	0.2	0.8
	2 nd Trimester exposure	1.3	0.2
Trimester	3 rd Trimester exposure	1.9	0.06
exposure	Model 2§		
analysis	Never exposed to Ramadan	Ref.	
	1 st Trimester exposure	-0.8	0.5
	2 nd Trimester exposure	0.4	0.7
	3 rd Trimester exposure	1.2	0.2

Supplementary Table 3: Relationship between Ramadan exposure in GDM and Birth weight

* Unadjusted model

§Adjusted for gestational age at delivery, gender, ethnicity, maternal age, mother weight gain, patient weight before pregnancy, and hypertensive disorders of pregnancy.