UNIVERSITA' DEGLI STUDI DI PADOVA DIPARTIMENTO DI SALUTE DELLA DONNA E DEL BAMBINO

CORSO DI LAUREA IN OSTETRICIA

Presidente Prof.ssa Alessandra Andrisani

TESI DI LAUREA

Analysis of clinical and socio-economic factors in pregnant women with meconium stained amniotic fluid at St Luke's hospital, Wolisso

Relatore: Dott. Marin Loris

Correlatrice: Dott.ssa Rubbo Valentina

LAUREANDA: VALENTINI ELISABETTA





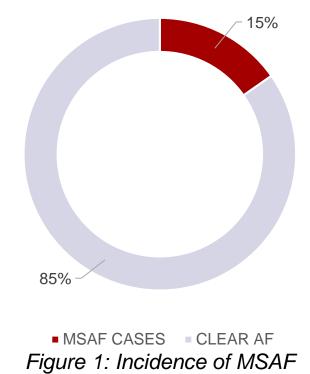
PHYSIOPATHOLOGY

The condition of severe acidosis can result in sphincter release with meconium emission in the uterus.



DEFINITION

Passage of fetal meconium into the amniotic fluid.







BEING MOTHER AND WOMAN IN ETHIOPIA

Ethiopia is a country where being a woman and being a mother has consequences:

In the daily routine of women

In the economic sphere

In the social sphere











Rename ad integrate risk factors according to the Ethiopian context, adapting the clinic to the culture and socio-economic background of women.



Evaluate neonatal outcome of the stained fluid cases analyzed.





MSAF RISK FACTORS

Clinical Risk factors associated with MSAF reported in the literature included on the trial are: PRIMIPARITY

GESTATIONAL AGE ≥ 41 WEEKS

OXYTOCIN IN LABOR

CESAREAN SECTION

MATERNAL AGE

DURATION OF LABOR

PREECLAMPSIA

INDUCTION OF LABOR

OBSTRUCTED LABOR PREGNANCY-INDUCED HYPERTENSION

OLIGOHYDRAMNIOS

INTERPREGNANCY INTERVAL LESS THAN 2 YEARS

MECHANICAL DYSTOCIA

DYNAMIC DYSTOCIA

POSTTERM PREGNANCY NONREASSURING FETAL HEART RATE PATTERN





Socioeconomic risk factors associated with MSAF included on the trial are:



TRIP DURATION (MIN)

ESTIMATED MONTHLY FAMILY INCOME (BIRR)

NUMBER OF CHILDREN ALIVE

ANTENATAL CARE FOLLOW UP

DISTANCE TRAVELED TO ST. LUKE'S HOSPITAL

MODES OF TRAVELS

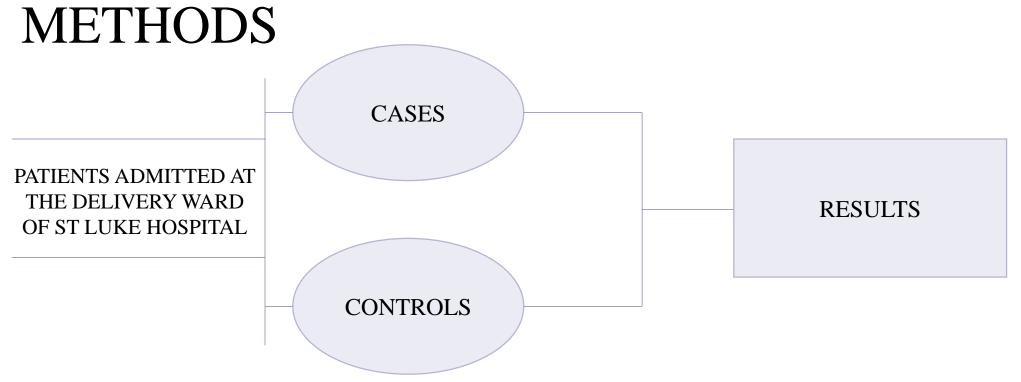
WORK HOURS THAT THE SAMPLE PERFORMED WEEKLY





MATERIALS AND

PROSPECTIVE STUDY





SETTING





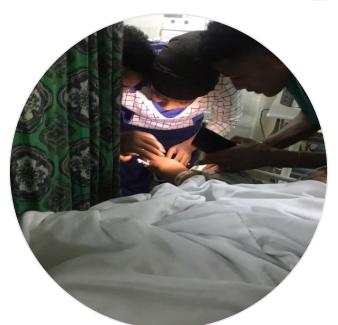


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STATISTICAL ANALYSIS

Continuous numerical data were expressed as absolute and relative frequencies (%), and purely numerical data as mean ± standard deviation. Parametric and non-parametric tests were used. P-value less than 0.05 was considered statistically significant.





CLINICAL RESULTS

	OLIGOH	IYDRAMNIOS	FEVE	R	PRIMIPA	RITY	PR	OM	AUGMEN	NOITATION
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
TOTAL	1,85%	98,14%	10,18%	89,81%	42.6%	57.41%	7,40%	92,59%	36,11%	63,88%
CASES	1,53%	98,46%	9,23%	90,76%	46.15%	53.84%	9,23%	90,76%	16,27%	83,72%
CONTROLS	2,32%	97,67%	11,62%	88,37%	37,21%	62,70%	4,65%	95,34%	15,38%	84,61%
P VALUE		0,767	0,687		0,358	3	0,	53	0	,9

	CASES	CONTROLS	P VALUE
AGE	26,11 ±5,056	25,72 ±5,293	0,703
LABOR DURATION (HOURS)	9,061 ±3,864	8,558 ±4,521	0,537
CURRENT AND PREVIOUS PREGNANCY INTERVAL (MONTHS)	16,135	20,068	0,073
<u>_</u> (±8,929	±8,374	

	DYNAMIC DYSTOCIA		MECHANICAL DYSTOCIA		BREECH	
	YES	NO	YES	NO	YES	NO
TOTAL	5,55%	94,44%	4,62%	95,37%	1,85%	98,15%
CASES	4,61%	95,38%	4,61%	95,38%	0%	100%
CONTROLS	6,98%	93,02%	4,65%	95,34%	4,65%	95,34%
P VALUE	0,6		0,993		0,072	





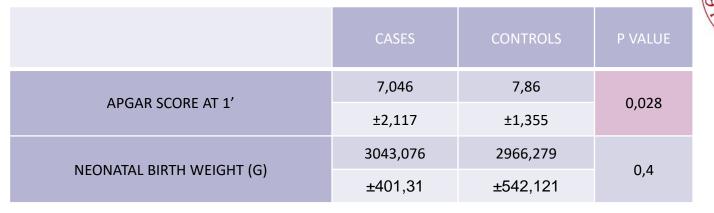
CLINICAL RESULTS

	DIAGNOSIS OF ADMISSION					
	AFSOL	LFOSL	SECOND STAGE	ROM		
CASES	36,92%	7,69%	15,38%	40%		
CONTROLS	37,21%	11,62%	20,93%	30,23%		
P VALUE	0,895	0,89	0,506	0,381		

	MODES OF DELIVERY			
	SVD	C/S	VACUUM	
CASES	75,38%	18,46%	6,15%	
CONTROLS	95,34%	4,65%	0%	
P VALUE	0,064	0,036	0,153	







	1	ГАСНYCARDIA	BRADYCARDIA		
	YES	NO	YES	NO	
TOTAL	9,25%	90,74%	42,59%	57,40%	
CASES	6,15%	93,84%	52,30%	47,69%	
CONTROLS	13,95%	86,04%	27,90%	72,09%	
P VALUE	0,171		0,0	12	

	NEWBORN RESUSCITATION			
	YES	NO		
TOTAL	10,18%	89,81%		
CASES	12,30%	87,69%		
CONTROLS	6,97%	93,02%		
P VALUE	0,370			



SOCIOECONOMIC RESULTS

	CASES	CONTROLS	P VALUE	
TRIP DURATION (MIN)	65,46	32,56	0,013	
TRIP DURATION (IVIIN)	±75,543	±47,814		
ESTIMATED MONTHLY FAMILY	2149,23	2732,56	0.000	
INCOME (BIRR)	±743,539	±718,371	0.000	
NUMBER OF CHILDREN ALIVE	1,37	1,23	0.000	
NUMBER OF CHILDREN ALIVE	±1,808	±1,555	0,686	

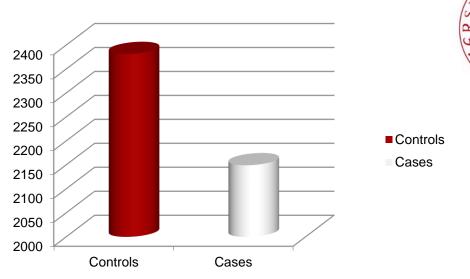


Figure 2- family monthly income (birr), division between cases and controls

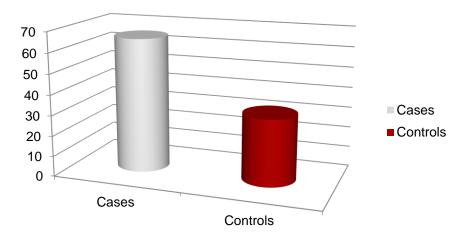
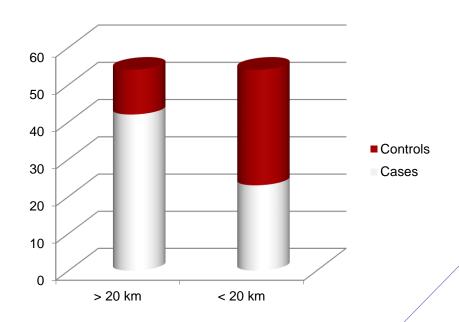
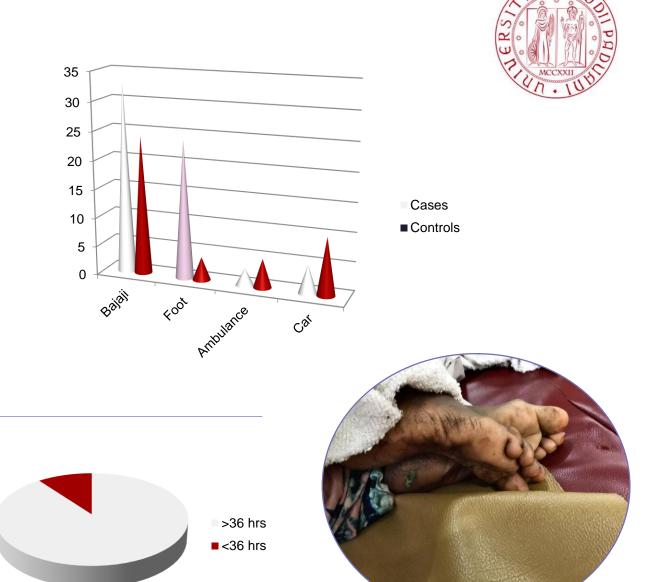


Figure 3- Representation of average minutes taken to get to the hospital divided between cases and controls



SOCIOECONOMIC RESULTS









CONCLUSIONS

PREVENTION

RISK FACTORS

CLINICAL SOCIOECONOMIC **MOSTLY MOSTLY SIGNIFICANT NON-SIGNIFICANT** PERINATAL OUTCOME **INTEGRATION** WORSE IN CASES **PREVENTION**





GRAZIE PER L'ATTENZIONE

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