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**EFFECTS OF MATERNAL BROMOCRIPTINE  
AND MELATONIN TREATMENTS ON FETAL  
DEVELOPMENT**

A thesis presented in partial fulfilment  
of the requirements for the degree of  
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## LIST OF ABBREVIATION

ACTH	adenocorticotrophic hormone
BN	binucleate
°C	degree Celsius
CIDR	controlled internal drug releaser
CRL	crown rump length
cm	centimetre
d	day
DNA	deoxyribonucleic acid
EGF	epidermal growth factor
g	gram
GH	growth hormone
bGH	bovine growth hormone
hGH	human growth hormone
GH-V	placental growth hormone
GnRH	gonadotrophin releasing hormone
h	hour
IU	international units
IGF	insulin-like growth factor
IGF-I	insulin-like growth factor-1
IGF-II	insulin-like growth factor-2
IGFs	insulin-like growth factors
IGFBPs	insulin-like growth factor-binding proteins
kg	kilogram
LWT	live weight
MFD	mean fibre diameter
mg	milligram
ml	millilitre
mm	millimetre
µm	micrometre
mRNA	messenger ribonucleic acid
NaCl	sodium chloride
ng	nanogram
NZ	New Zealand
O <sub>2</sub>	Oxygen
PGE	prostaglandin E
PIF	prolactin inhibitory factor
PL	placental lactogen
hPL	human placental lactogen
oPL	ovine placental lactogen
PMSG	pregnant mare serum gonadotropin
PRF	prolactin releasing factor
PRL	prolactin
oPRL	ovine prolactin
PRP	prolactin-related protein

S/E	starvation/exposure
SBCRU	sheep and beef cattle research unit
T <sub>3</sub>	triiodothyronine
T <sub>4</sub>	thyroxine
TSH	thyroid stimulating hormone
vs	versus

**Statistical:**

GLM	general linear model
LSM	leastsquare mean
SAS	statistical analysis system
s.e.m.	standard error of the mean
n	number of experimental units
*	P<0.05
**	P<0.01
***	P<0.001