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# **Prematurity and Phototherapy Associated Changes in Mesenteric Blood Flow in Response to Feeding Using the Ultrasound Pulsed Doppler**

THESIS

Submitted for Partial Fulfillment of M.Sc. Degree In Pediatrics

BY

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## **LIST OF ABBREVIATIONS**

AGA	Appropriate for gestational age
BFV	Blood flow velocity
BNBAS	Brazelton's neonatal behavior assessment scale
CBC	Complete blood count
CBF	Calf blood flow
Cm <sup>2</sup>	Centimeter square
CNS	Central nervous system
CRP	C reactive protein
CSA	Cross sectional area
CW	Conyinuous wave
DIC	Dissiminated coagulopathie
FDA	Food & drugs administration
FFAs	Free fatty acids
GFR	Glomerular filtration rate
GIT	Gastrointestinal tract
HR	Heart rate
IMA	Inferior mesenteric artery
IUGR	Intrauterine growth retarded
L1	Lumber vertebra no 1
LBW	Low birth weight
LGA	Large for gestational age
LVOT	Left ventricular outflow tract
M/S	Meter/second
MG/DL	Milligram/deciliter
MHz	Megahertz
ML/MIN/KG	Milliliter/minute/kilogram
$\mu\text{w}/\text{cm}^2/\text{nm}$	Microwave/centimeter square/nanometer
NBW	Normal birth weight
NEC	Necrotizing enterocolitis

NICU	Neonatal intensive care unit
Nm	Nanometer
PCO <sub>2</sub>	Partial carbon dioxide pressure
PD	Pulsed Doppler
PO <sub>2</sub>	Partial oxygen pressure
PW	Pulsed wave
RBC <sub>s</sub>	Red blood cells
RDS	Respiratory distress syndrome
Rh	Rhesus factor
SD	Standard deviation
SGA	Small for gestational age
SMA	Superior mesenteric artery
SMAEDFV	End diastolic flow velocity
SMARVR	Relative vascular resistance
SMAVm	Mean velocity
SV	Stroke volume
T12	Thoracic vertebra no 12
TSB	Total serum bilirubin
UDPG-T	Uridine Diphosphate- Glucoronosyltransferase
VLBW	Very low birth weight
Vin(ao)	Aortic mean velocity
2D	Two dimension

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