

# OB BIOPHYSICAL PROFILE ULTRASOUND PROTOCOL (UOBPP)

**\*\*To be done for evaluation of fetal wellbeing or Non-Reactive Stress Test (NST) in pregnancies 28 weeks and above.**

**\*\*BPP criteria to be evaluated over a period of 30 minutes.  
For multiple gestations, each fetus should be given 30 minutes for evaluation of BPP criteria.**

**2D Images to obtain in addition to BPP Criteria:**

- Fetal Heart Rate
- Fetal Position
- Placenta if previously low lying
- 4 pocket AFI

## BPP CRITERIA

*\*Document at least one cine clip for each of the following fetal movements:*

<b>Body Movement:</b>	(score 2)	Greater or equal than 3 body/limb movements
	(score 0)	Less than 3 body/limb movements
<b>Tone:</b>	(score 2)	One or more episodes extension/flexion
	(score 0)	No episodes extension/flexion
<b>Breathing Movements:</b>	(score 2)	Breathing movements or hiccups lasting for at least 30 seconds (or two episodes of 15 seconds)
	(score 0)	No breathing movements
<b>Amniotic fluid:</b>	(score 2)	One pocket $\geq$ 2cm in 2 perpendicular planes
	(score 0)	<2 X 2 cm pocket
 <b>Total score:</b>		
8/8		No need to call referring physician. You can let the patient go.
6/8		Indeterminate, Keep the patient until referring physician is contacted.
4/8 or less		Abnormal, Keep the patient until referring physician is contacted.

If the referring physician cannot be contacted **call MICC charge nurse at (8-8532) or L&D charge nurse at (8-9599)** if on the Montlake Campus.

## BPP IMAGE LIST

IMAGE	MODE
<b>BPP CRITERIA</b>	
AFI >2cm pocket (must also be 2 cm wide)	2D+
Movement 3 or more	Cine
Tone 1 or more	Cine
Breathing 30 secs or 2@15sec	Cine
<b>OTHER IMAGES TO OBTAIN</b>	
FHR	M-Mode
Position	2D
4 quadrant AFI	2D+
Placenta if previously low lying	2D

## BPP OB EXAM PROTOCOL HISTORY

	Date	Changes made	By whom
Updated	5/1/2022	-Additional images to acquire added -Added at least one cine sweep per fetal movement	Renee Betit Fitzgerald
Approved	5/5/2022		Manjiri Dighe
Added	4/16/2024	Image lists added	Renee Betit Fitzgerald