PET "Metabolic Flare" Scheduling Instructions (also see flow chart on page 2)

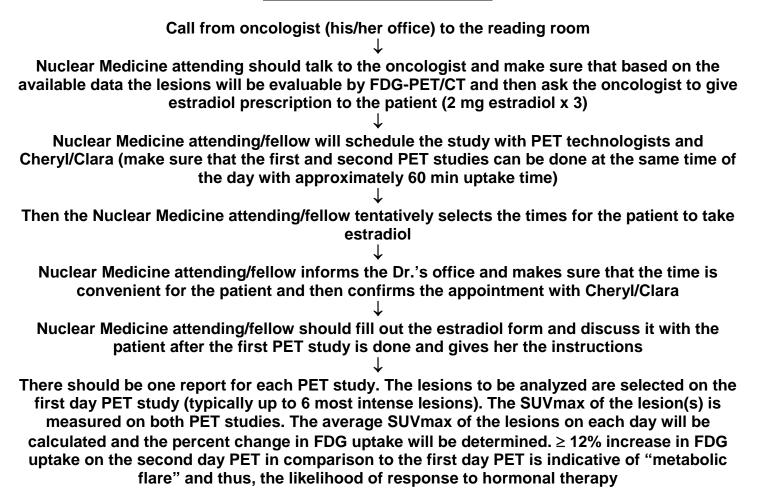
PET estradiol stimulation testing is performed to see if a patient's breast cancer has active functional estrogen receptors and may benefit from hormonal therapy. Prior to scheduling confirm that the patient has disease that is likely to be detectable by FDG-PET imaging.

The patient will have a baseline FDG-PET/CT study per standard clinical procedures. On the following day or another day in the near future (within a week), the patient will be scheduled to return for the "flare" FDG-PET/CT. Scheduling should be done so that all imaging parameters can remain as consistent as possible (same time of day to ensure similar fasting times, uptake time, etc.). Patient will be given a prescription for 3 estradiol 2 mg tablets (total of 6 mg) by the treating physician. The patient will be instructed to take one 2 mg tablet every 8 hours with the last dose of estradiol occurring approximately 1 hour before the scheduled injection of FDG. Possible schedules are:

Take 1 tablet at:		Appointment	FDG Injection		
		1	Time	Time	
2:30 pm	10:30 pm	6:30 am	7:00 am	7:30 am	
3:00 pm	11:00 pm	7:00 am	7:30 am	8:00 am	
3:30 pm	11:30 pm	7:30 am	8:00 am	8:30 am	
4:00 pm	12:00 am	8:00 am	8:30 am	9:00 am	
4:30 pm	12:30 am	8:30 am	9:00 am	9:30 am	
5:00 pm	1:00 am	9:00 am	9:30 am	10:00 am	
5:30 pm	1:30 am	9:30 am	10:00 am	10:30 am	
2:00 pm	2:30 am	10:00 am	10:30 am	11:00 am	
8:00 pm	4:00 am	12:00 pm	11:00 am	1:00 pm	
8:30 pm	4:30 am	12:30 pm	1:00 pm	1:30 pm	
9:00 pm	5:00 am	1:00 pm	1:30 pm	2:00 pm	

Be sure to schedule based on patient's normal sleeping habits and/or confirm that the patient will be compliant and set an alarm clock to wake up at odd hours of the night or early morning to stay on the 8-hour dosing schedule.

Flow Chart for PET flare study



Call Dr. Dehdashti (362-7027) with any questions

"ESTRADIOL CHALLENGE" PET Scan

Patient Name:

3.

DOB:

Instructions for taking of estradiol prior to "estradiol challenge" PET scan:

- 1. To determine if you have active estrogen receptors, you will need to take a total of 6 mg of estradiol (an oral form of estrogen) before your second PET scan.
- 2. You will take one (2-mg) pill three times according to schedule below.

•	Take first tablet at		_ on		
•	Take second tablet at		_on		
•	Take third tablet at		_ on		
You	r PET Flare scan is sche	eduled for		on	

REMEMBER: Nothing to eat for at least 6 hours prior to your appointment. You may drink as much water as you would like before the appointment. Please report to the Clinical PET Facility located on the second floor of the Center for Advanced Medicine Building approximately 30 minutes before your scheduled appointment