

Effects of Filgrastim Mobilization Therapy on Unrelated PBSC Donors -not captured in the PBSC trial-

Corina E. Gonzalez, MD
Medical Director,
Blood and Marrow Collection Program



- Georgetown University Hospital has operated as a Collection/Apheresis Center since the early '90s.
- We conduct about 100 PBSC collections a year.
- Principal relationship has been with the C.W. Bill Young/DoD Donor Marrow Program.
- New relationships have been forged with the NMDP (5/6 districts and PR), NIH, DKMS Americas, and Johns Hopkins donor centers.
- Majority of donors are from outside our geographical area.

Effects of Filgrastim Mobilization Therapy

- **Physical**
- **Psychological**
- **Financial**

- ❖ **Based merely on day to day experience**

Physical Effects

- Symptomatic therapy is usually used with success and results in a down grading of the adverse events
- Symptomatic therapy addressing moderate to severe AEs is usually available with a certain delay when donors are receiving Filgrastim outside the AC area
- Access to medical evaluation and therapy if needed is usually performed through the ED/urgent care settings and not personalized.

Psychological

- Healthy donors suddenly feeling sick
- Donors with underlying conditions: anxiety, PTSD, depression, other.
 - Potential for anxiety/panic attacks/aborting priming or collection
 - Triggers: discomfort, bright lights, feeling restrained, needle sticks, being surrounded by people, receiving orders
 - Prevalence is significant in military donors with combat experience
- ❖ At a societal level, are we asking too much of too few?
- ❖ There is no moral distress, their mission is clear and there have been no withdrawals in our center

Financial

- Time commitment (more than we think)
(initial evaluations (2), injection days (2-5), actual collection (1-2), travel time to and from the AC)
- Time away from work:
 - Provided by employer
 - Sick leave
 - Vacation time
 - Unpaid / NMDP
- Loss of work-related attributes: i.e. car etc
- Out of Pocket expenses:
 - Care for the dependents (childcare, pet care)
 - Meals
 - transportation