



Introduction

- Unrelated stem cell donors are recruited at stem cell drives, at which recruiters guide registrants to provide informed consent and a tissue sample (buccal-swab) for typing¹
- Registrant experience, including impression of how knowledgeable recruiters are, impacts donor attrition rates²
- This highlights the need for well-trained, competent recruiters
- A recent World Marrow Donor Association guideline recommends topics to be included in a training program delivered to volunteers, staff recruiters, and drive supervisors³
- However, to date, no recruiter training programs have been described in the literature.

- The Stem Cell Club is a federal non-profit in Canada that works to strengthen Canada's donor-database
- This presentation outlines Stem Cell Club's online training program for recruiters

Methods

- A three-module self-directed online training program was constructed:
 - 1) Volunteering at a stem cell drive
 - 2) Leading a stem cell drive
 - 3) Organizing a stem cell drive
- These modules feature spiral curricula in:
 - Stem cell donation science
 - Strategies for donor recruitment¹
 - Informed consent⁴⁻⁵
 - Quality control⁶
 - Good documentation practices, confidentiality and privacy
 - Recruitment of the most-needed donors⁷⁻¹¹
 - Redirecting non-optimal donors to help in other ways¹²
 - Drive supplies and setup

- All WMDA recommended training topics for recruiters are included³
- The modules were programmed using Articulate-Storyline, and are published online at www.stemcellclub.ca/training
- Each module ends with a link to a post-module quiz to assess successful knowledge transfer
- After their first drive, recruiters were invited by email to complete a survey evaluating the modules

Level 1: Volunteering at a Stem Cell Drive

Purpose: Train recruiters to be competent volunteers at stem cell drives

Module objectives:

Introduce recruiters to:

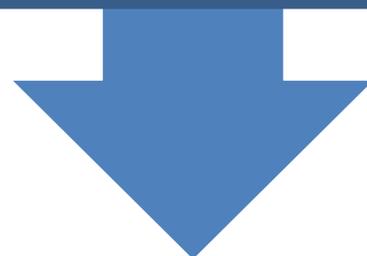
- The donor registry
- Stem Cells: Where they come from and how they are donated
- How matches are found
- The optimal stem cell donor
- Donor recruitment at stem cell drives
- Informed consent, privacy, and confidentiality

Questions that the registrant should be able to answer on completion:

- What are stem cells?
- Who needs stem cells?
- How are stem cells donated?
- What is OneMatch?
- What is a stem cell drive?
- What are the stations of a stem cell drive? What happens at each station?

Assessed by post-module quiz:

- Stations of the stem cell drive
- Informed consent knowledge test
- Privacy and confidentiality knowledge test
- Error correction knowledge test and practical exercise
- Characteristics of the most-needed donors
- Using checklists



Level 2: Leading a Stem Cell Drive

Purpose: Equip recruiters to lead their own stem cell drives

Module objectives:

Review the stations of the drive in detail, and challenge recruiters to guide registrants through each

Introduce recruiters to:

- Good-documentation practices
- Resource stewardship through recruitment of quality donors
- Using checklists to ensure best-practice adherence

Questions that the registrant should be able to answer on completion:

Prescreening:

- Who is eligible, and who are quality donors?
- How do I explain what we do at the drive?
- How can I redirect ineligible donors

Informed Consent: How do I inform a donor?

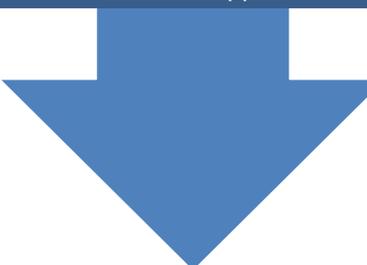
Registration: What is a strong approach to error correction?

Swabbing: How are swab kits processed?

Reconciliation: What happens at this station?

Assessed by post-module quiz:

- Error correction practice exercise #2
- Practical informed consent exercise
- Privacy and confidentiality application
- The most-needed stem cell donors
- Redirecting ineligible and non-optimal donors
- Troubleshooting problems at drives
- Identify required paperwork



Level 3: Organizing a Stem Cell Drive

Purpose: Teach recruiters to organize their own stem cell drives

Module objectives:

- Review pre-event tasks, including: Selecting a venue, promoting the drive, recruiting and training volunteers
- Troubleshoot at stem cell drives
- Stem cell drive setup and supplies
- Review post-event procedures: Paperwork, shipping, and post-event reporting
- Build and maintain an event binder

Questions that the registrant should be able to answer on completion:

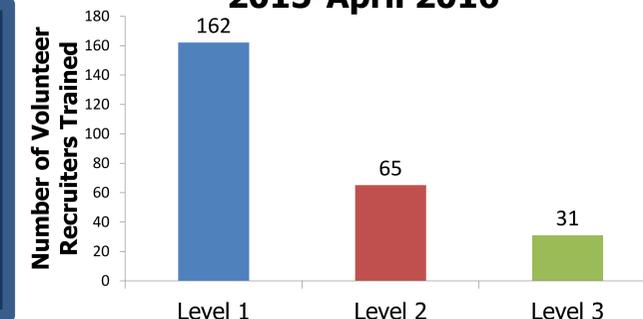
- What needs to be done prior to a stem cell drive?
- What supplies do I need for the drive?
- What are some problems I might encounter, and how could I solve them?
- What happens after the drive is done?

Assessed by post-module quiz:

- Pre and post drive procedures
- Identifying and correcting volunteer knowledge gaps and missed checklist items
- Stem cell drive materials and setup

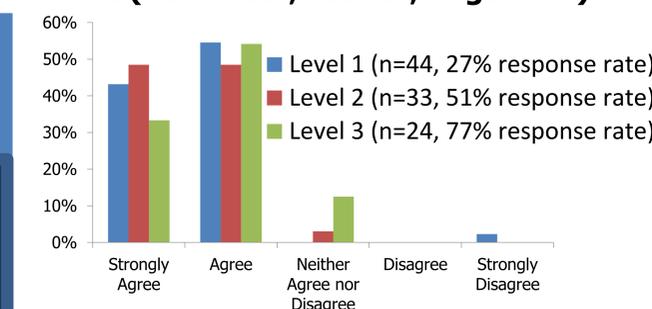
Results

Module Completion, August 2015-April 2016



- Quiz scores were >90% for each recruiter
- Each module took a median of 1 hour to complete

“Completing the online modules prepared me for my role at the stem cell drive (Volunteer, Leader, Organizer)”



Conclusions

- This presentation showcases a novel strategy to deliver training to stem cell donor recruiters
- It is relevant to any registry looking to build or upgrade their recruiter training program

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References

1. Fingrut, W. *UBCMJ*. 2015; 6(2):44-6.
2. Schmidt *et al. Bone Marrow Transplant*. 2013;48: 148-50
3. Switzer *et al. Transplantation*. 2003; 75(9):1517-23
4. Rosenmayer *et al. Bone Marrow Transplant*. 2003;31(7):539-457
5. Fingrut, W. and Parmar, S. CBMTG 2015 Abstract book, 29
6. Fingrut, W. *et al. CSTM 2015 Abstract Book*, #78, 48
7. Kollman *et al. Blood*. 2001;98(7):2043-51
8. Bräuninger *et al. Bone Marrow Transplant*. (2014) 49, 1419-1425
9. Billen *et al. Bone Marrow Transplant* (2014) 49, 729-736
10. Switzer *et al. Transplantation*. 2004;77(10):1529-34
11. Fingrut. *UBCMJ*. 2015;7(1):44-47
12. Fingrut, W. CBMTG 2015 Abstract book, 30