

2020 Education Needs Assessment Report – RAP COP

The 2020 AST Education Needs Assessment Survey was distributed to all AST members from February 6 to March 6, 2020. The survey included a topical specialty section based on each of AST’s Communities of Practice (COP).

62 participants began the “Recovery and Preservation” specialty section and 50 completed the section. A breakdown of the information gathered from these participants is provided in this report.

I. “Recovery and Preservation” Specialty Section Participants

Role of Participants:

Participants were asked, “Which best describes you? (please choose one).” Based on the 62 participants who started the RAP COP specialty section, the chart below outlines the roles that were represented (results from all participants in the survey are provided for comparison).

Role	Specialty Participants	Overall Participants
Physician/Primarily Research	6 (6.7%)	65 (8.7%)
Physician/Primarily Clinical	16 (25.8%)	316 (42.4%)
Surgeon/Primarily Research	1 (1.6%)	12 (1.6%)
Surgeon/Primarily Clinical	13 (21.0%)	45 (6.0%)
Administrator	5 (8.1%)	34 (4.6%)
Advanced Practice Provider	0	43 (5.8%)
Histocompatibility Specialist	0	23 (3.1%)
Nurse/Transplant Coordinator	3 (4.8%)	16 (2.1%)
Pharmacist	4 (6.5%)	104 (14.0%)
Psychologist/Psychiatrist	0	12 (1.6%)
Social Worker	4 (6.5%)	19 (2.6%)
Researcher/Scientist	7 (11.3%)	37 (5.0%)
Other	3 (4.8%)	19 (2.6%)

Affiliation of Participants:

Participants were asked what is their “*Affiliation (please choose one.)*” Based on the 62 participants who started the RAP COP specialty section, the chart below outlines the affiliations that were represented (results from all participants in the survey are provided for comparison).

Affiliation	Specialty Participants	Overall Participants
Academic	28 (45.2%)	427 (57.3%)
Government or Military	2 (3.2%)	9 (1.2%)
Hospital	17 (27.4%)	256 (34.4%)
Industry	5 (8.1%)	16 (2.1%)
Organ Procurement Organization	6 (9.7%)	15 (2.0%)
Stand-alone Private Practice	4 (6.5%)	13 (1.7%)
Other	0	9 (1.2%)

Experience Level of Participants:

Participants were asked to “*Please enter your level of experience/years in practice.*” Based on the 62 participants who started the RAP COP specialty section, the chart below outlines the levels of experience that were represented (results from all participants in the survey are provided for comparison).

Level of Experience	Specialty Participants	Overall Participants
Not yet in training	2 (3.2%)	5 (0.7%)
In training (resident)	2 (3.2%)	16 (2.1%)
In training (fellow)	2 (3.2%)	46 (6.2%)
<5 years	12 (19.4%)	182 (24.4%)
6-10 years	13 (21.0%)	147 (19.7%)
11-15 years	8 (12.9%)	123 (16.5%)
16-20 years	7 (11.3%)	81 (10.9%)
21+ years	16 (25.8%)	145 (19.7%)

II. RAP COP's "Recovery and Preservation" Specialty Section Data

A list of important and timely topics was created for the 2020 Needs Assessment Survey specialty sections by RAP COP Leadership and the AST Education Committee. Participants were asked to "Rate each educational topic's importance to you" as either 1) "Not interested," 2) "Interested but have sufficient knowledge" or 3) "Interested & want/need to learn more."

Here are the results from the 50 participants who completed this specialty section.

RAP COP Specialty Topics – Overall Ranking: The topic list has been ranked below based on a weighted mean score of up to 3.0, with "Interested & want/need to learn more" weighted highest, "Interested but have sufficient knowledge" weighted next highest, and "Not interested" weighted lowest).

1. Next-gen organ preservation technologies: 2.76
2. Impact of enhanced preservation on DCD utilization, and consequent decision making in selection of preservation modality: 2.64
3. (Tied) Discussion on the impact of extended preservation duration with new technologies, in the context of elimination of donation service areas for organ: 2.62
(Tied) Introduction to new ex vivo perfusion technologies and devices: 2.62
(Tied) Assessment of Donor Organs during perfusion-preservation for clinical decision making: 2.62
6. Sharing of clinical trial data relevant to novel preservation approaches: 2.52
7. Cell and tissue preservation technologies: 2.44
8. Financial and administrative issues on the use of perfusion devices: 2.08
9. Hands on training in use of ex vivo perfusion systems: 2.06
10. Educational and workforce development needs for organ perfusionist roles: 2.02

RAP COP Specialty Topics – "Interested and want/need to learn more" Only: The topic list has been ranked below based exclusively on the number of "Interested and want/need to learn more" results (out of 50 results).

1. Next-gen organ preservation technologies: 42
2. Discussion on the impact of extended preservation duration with new technologies, in the context of elimination of donation service areas for organ: 39
3. Introduction to new ex vivo perfusion technologies and devices: 38
4. (Tied) Assessment of Donor Organs during perfusion-preservation for clinical decision making: 37
(Tied) Impact of enhanced preservation on DCD utilization, and consequent decision making in selection of preservation modality: 37
6. Sharing of clinical trial data relevant to novel preservation approaches: 35
7. Cell and tissue preservation technologies: 34
8. Financial and administrative issues on the use of perfusion devices: 25
9. (Tied) Educational and workforce development needs for organ perfusionist roles: 23
(Tied) Hands on training in use of ex vivo perfusion systems: 23

RAP COP Specialty Topics – “Not interested” Only: The following topics received the highest number of “*Not interested*” results (out of 50 results).

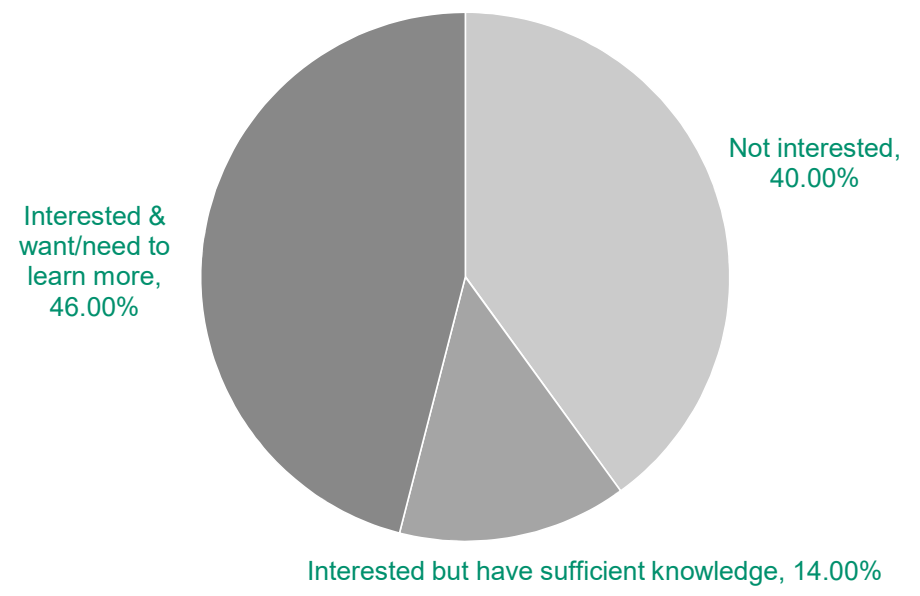
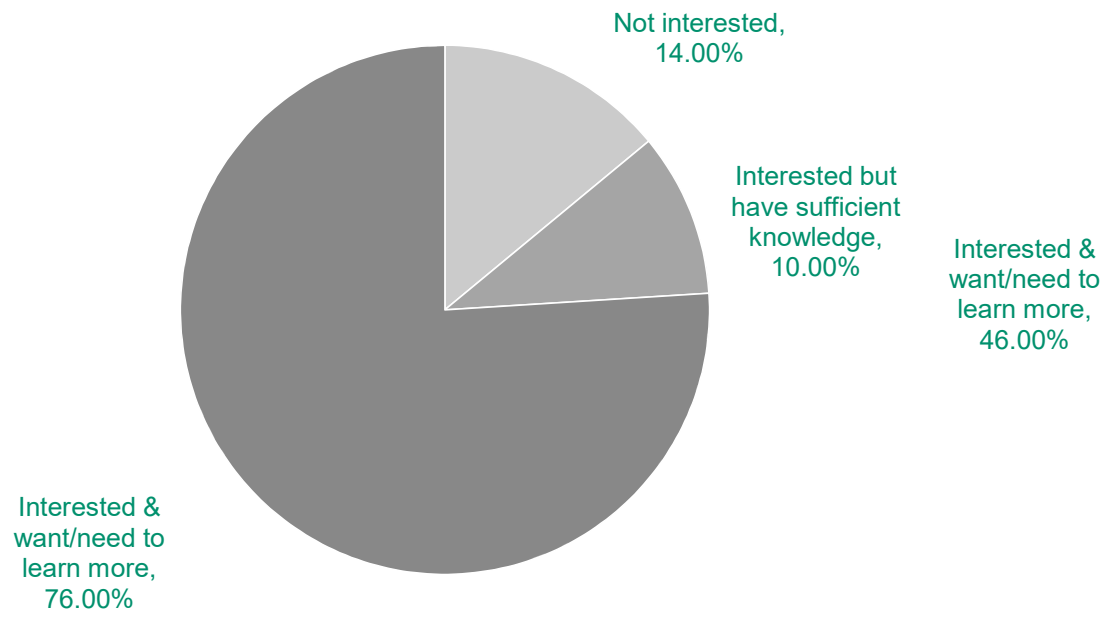
- Educational and workforce development needs for organ perfusionist roles: 22
- Financial and administrative issues on the use of perfusion devices: 21
- Hands on training in use of ex vivo perfusion systems: 20
- Cell and tissue preservation technologies: 12

Please see the charts on the following pages for a topic-by-topic breakdown of participant interest in each topic.

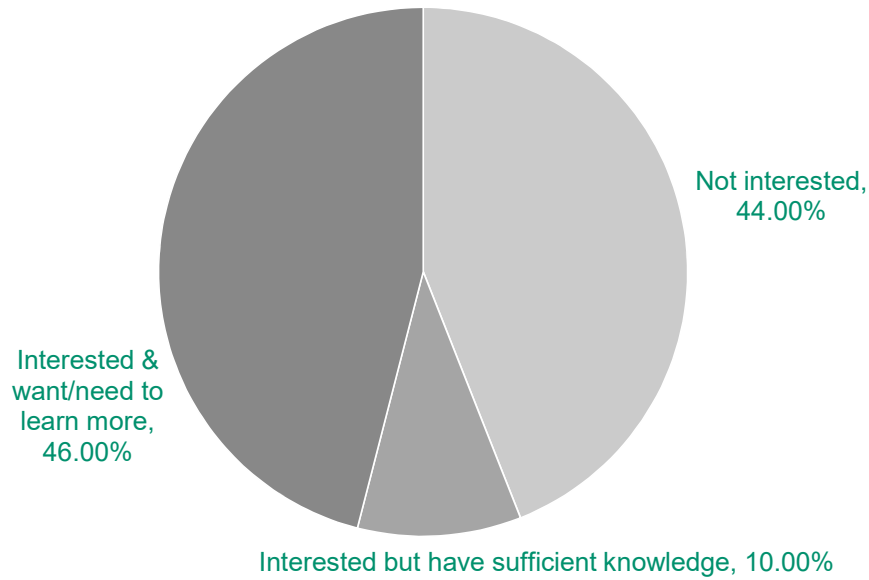
If you have follow-up questions, or would like additional details on a result, please contact the AST Education Program Manager, Brian Valeria (bvaleria@myast.org) for more information.

Introduction to new ex vivo perfusion technologies and devices

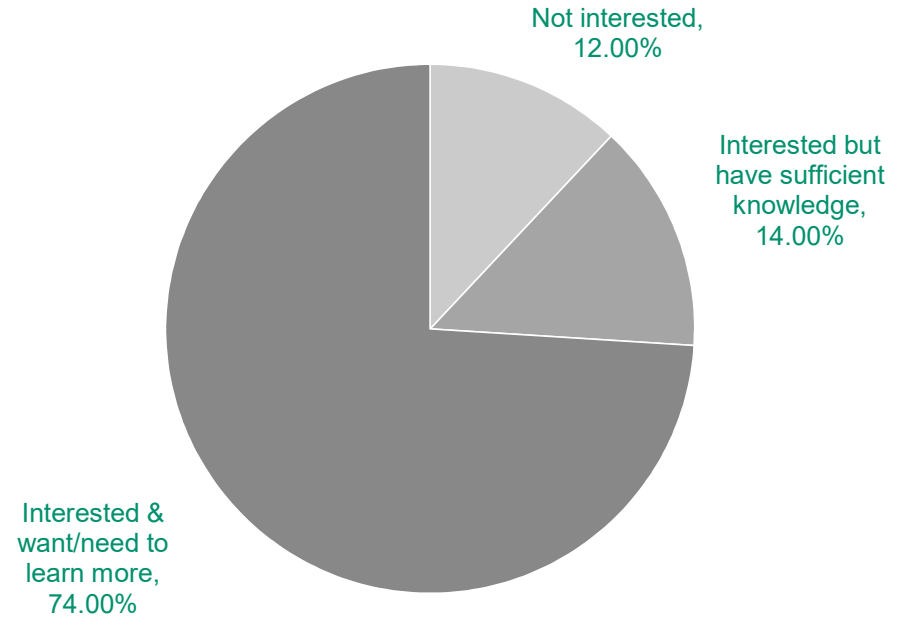
Hands on training in use of ex vivo perfusion systems



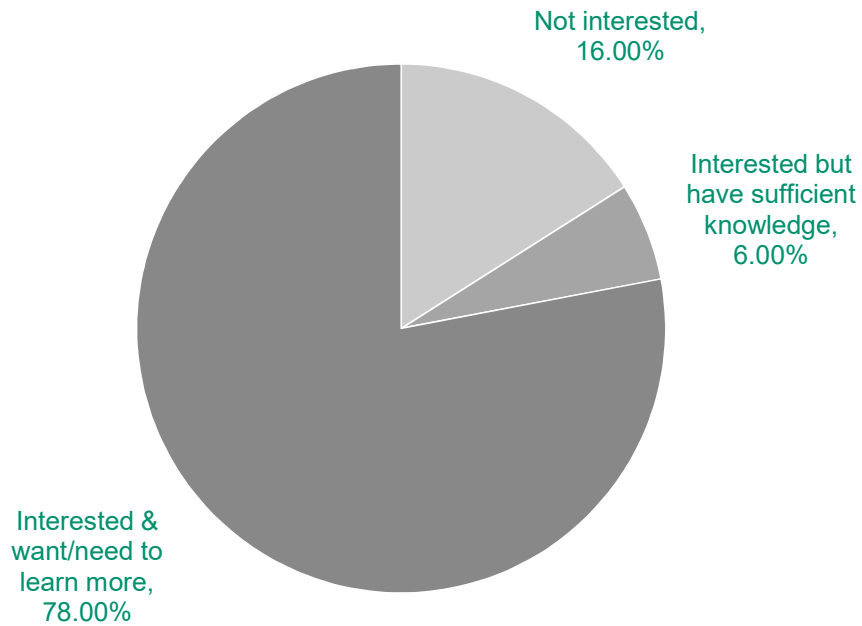
Educational and workforce development needs for organ perfusionist roles



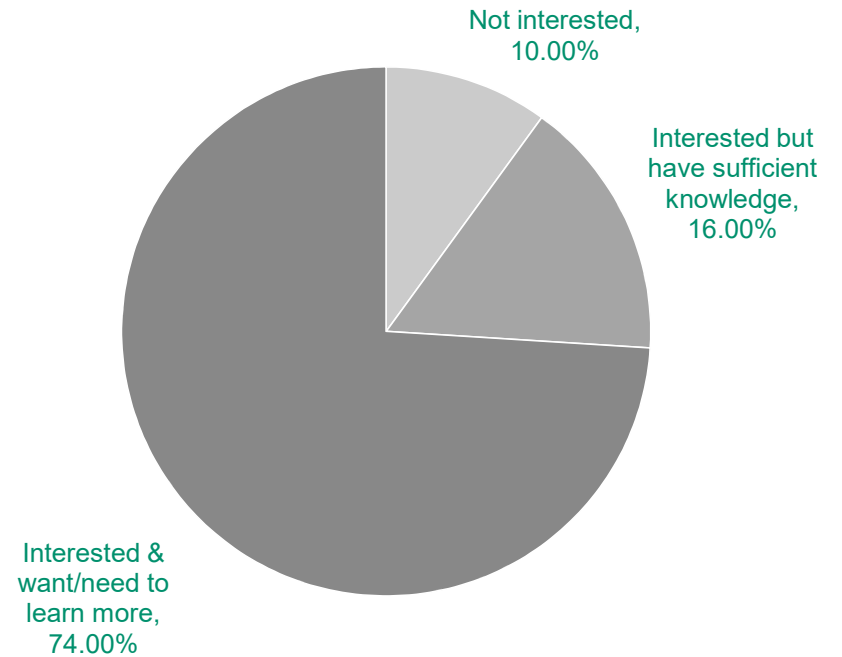
Assessment of Donor Organs during perfusion-preservation for clinical decision making



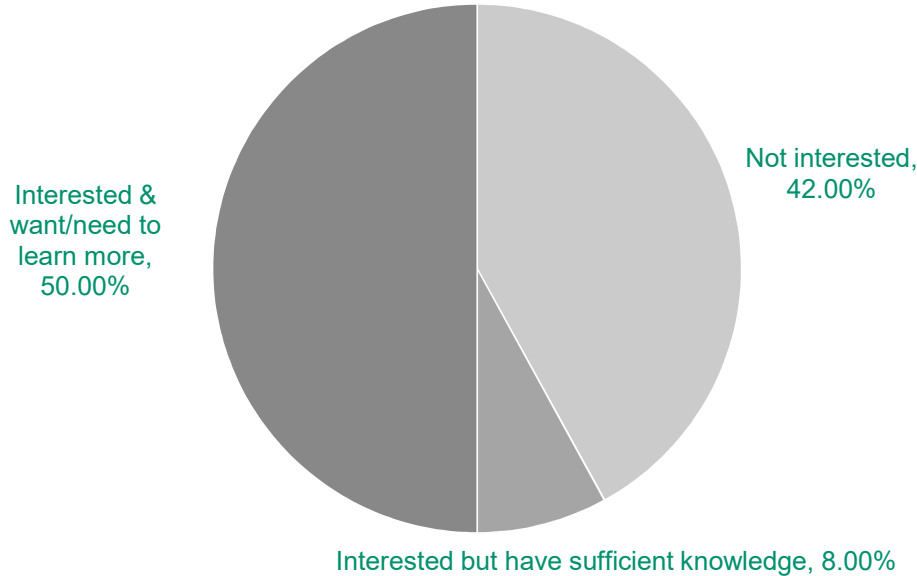
Discussion on the impact of extended preservation duration with new technologies, in the context of elimination of donation service areas for organ allocation



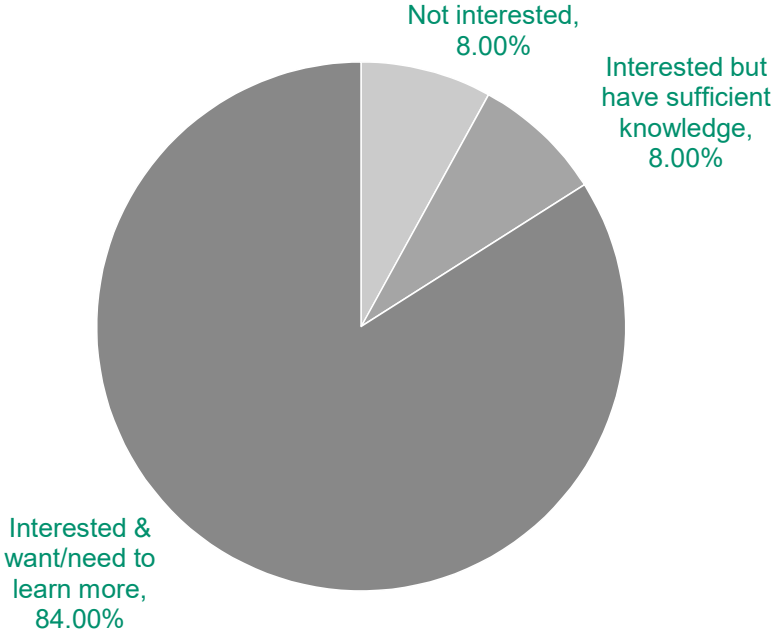
Impact of enhanced preservation on DCD utilization, and consequent decision making in selection of preservation modality



Financial and administrative issues on the use of perfusion devices



Next-gen organ preservation technologies



Cell and tissue preservation technologies

Sharing of clinical trial data relevant to novel preservation approaches

