

# Advanced Transplant Providers e-Newsletter

The art and science of the transplantation community



## **SPRING 2013 Issue**

**Welcome to the 2013 Spring Edition of the ATP e-Newsletter,  
brought to you by the Advanced Transplant Providers Committee!**

Spring is officially here! We have a lot of exciting news to share with you! In this issue we highlight what the committee is working on, what's going on in the transplant community, and we feature a new Spring Case Study and the answers to the December 2012 Case Study Questions.

**For those who missed it, the 13<sup>th</sup> Annual State of the Art Winter Symposium held in Conjunction with the NATCO Symposium for Advanced Transplant Professionals was an *unprecedented success!***

With record breaking attendees, renowned speakers, lively sessions, and topping it off with Saturday's award ceremony, dinner and dancing, Miami Beach was the place to be!

One of the greatest highlights of the meeting was the **ASTS and NATCO Joint Sessions on Saturday, February 2**. This new joint session was very well attended with speakers that included members of the ATP Committee: Georgeine Smith and Gwen McNatt. Also, presented at the joint sessions is Haley Hoy (recipient of 2013 ATP Award). The Joint Sessions, consisted of three parts: Session 1: Our Staffing Model; Session 2: RVU Challenge; and, Session 3: Debate - My Ideal Job in a Perfect Transplantation World. The sessions ended with a lively discussion on the advanced practice provider's dream job.

Another highlight of the meeting was the hosted Lunch & Learn sessions by Mark Burns, Chair of the ATP Committee on the topic: *Taboo or Transplantation: Understanding Cultural Belief of the Southwest Native American Indian*. And, Georgeine Smith who hosted the Lunch and Learn on the topic: *Recognition and Management of Acute Delirium in the Immediate Post-Op Setting of a Liver Transplant Patient*.

For those who missed this Symposium, you can see highlights of the meeting by which will be posted as a webcast on the [www.ASTS.org](http://www.ASTS.org) by May 2nd.

We hope that you will join us at next year's 2014 Winter Symposium and celebrate the **ASTS' 40th Year Anniversary Gala!**

### **ATP Third Annual Award**

On Saturday evening, the celebration began with the Award Ceremony. Award recipients were honored. Nancy Asher, MD, PhD for the Francis Moore Excellence in Mentorship, Alp Sener MD, PhD and Timucin Taner, MD, for the Vanguard Prize.

Honoring the ATP's third award recipient is Haley Hoy, Ph.D, ACNP. This award recognizes time and effort dedicated to advancing clinical practice through translation of scientific information, development of standards and clinical mentoring. Haley's dedication and contribution to the field of transplantation and advance practice nursing was recognized as she serves as a role model in various phases of transplantation.

As described by one of Haley's colleague:

*Haley has been a nurse practitioner and transplant coordinator for over 10 years and completed her doctoral dissertation in lung transplantation. She consistently brings evidence-based care to the bedside, to transplant education, and to the transplantation research community. Haley started the first nurse practitioner run wait-listed clinic in lung transplantation at Vanderbilt. She is also the chair of the annual evidence-based retreat for protocol revision. In collaboration with her administrator, she started an annual clinical management symposium to bring multidisciplinary, evidence-based education to nurse practitioners, physician assistants, pharmacists and social workers across the country. The symposium was developed to bring current evidence in an interdisciplinary setting to transplant professionals who may then take current evidence back to their centers for widespread dissemination. This symposium is in its 8<sup>th</sup> year with attendance growing each year across the nation. In addition, Haley teaches a transplantation elective to nurse practitioner students at the University of Alabama. To date, the course has been attended by more than 200 students bringing the best and brightest in nursing to the field of transplantation. This elective led to the development of a mobile application for transplant professionals and a continuing education application that will make transplant education accessible to all registered nurses. In her community, she works closely with her local organ procurement agency and is in collaboration to write a HRSA grant encouraging transplant education as a competency for all registered nurses in intensive care units.*



From left: Mark Burns, Chair, ATP Committee; Haley Hoy, ATP Award Recipient; Kim Olthoff, ASTS President, and Dorry Segev, Chair, Vanguard Committee.

*Additionally, Haley has spoken extensively and published on lung transplantation quality of life, advanced practice nurse staffing in transplant centers, and web-based applications. Her doctoral dissertation was chosen for presentation at the International Lung Transplant Congress in Paris, France. She has since had multiple peer-reviewed publications and has been an invited speaker both nationally and internationally. She currently serves as a reviewer for the American Journal of Transplantation and is on the Editorial Review Board for Progress in Transplantation. As part of her continued committee work with NATCO, she played an integral role in the development and publication of Advanced Transplant Competencies. These competencies have since been adopted and widely circulated. Haley is a proven leader in our transplant center and the transplant community. She has made vital contributions in the field of transplantation and continues to play a meaningful part in the advanced transplant provider role. Congratulations Haley!*

**What's Happening!**

**The American Transplant Congress (ATC), Washington State**

## **Convention & Trade Center, May 18-22, 2013, Seattle, WA is only weeks away!**

The Spring season brings the excitement of warm weather, flowers blooming, and the American Transplant Congress (ATC)! There is much anticipation for **2013 ATC!**

New to the program this year are the "Sunset" symposia. There are two concurrent basic science symposia being presented on Sunday evening from 6:30 to 7:45 PM. There is a broad selection of single-focused concurrent symposia following the morning joint plenary sessions on Sunday - Tuesday. The afternoon sessions have concurrent abstract sessions, as well as the specialized symposia and the popular Transplantation in Depth (clinical and basic).

In addition, there will be five sessions focused on topics of interest for allied health professionals and advanced transplant providers. The Pre-Meeting Symposia on Saturday, May 18, focuses on medical management of kidney transplant recipients. Topics include medication management, clinical management of diabetes, hypertension, hyperuricemia, dermatological issues, allograft issues, and more. A luncheon workshop on Sunday, May 19, 2013, will focus on the role and career development of advanced practice providers. Sessions during the meeting will focus on practice guidelines for living donation, clinical updates, and adding quality to survival.

In particular, we encourage you to attend these exciting sessions that members of the ATP committee will be presenting and /or moderating:

*Saturday, March 18, 2013 1:00 - 5:00 PM: Pre-Meeting Symposia*

*Breakout #2: Allied Health: Clinical Management Issues in Transplant for the Allied Health Professional*

Moderators: **Deonna Moore**, MSN, ACNP-BC, PhD, Vanderbilt, Nashville, TN and Ashley Heath Seawright, DNP, ACNP-BC; University of Mississippi Health Care, Jackson, MS

*Sunday, March 19, 2013 2:15 - 5:00 PM: Allied Health Symposium I: Living Donation: Practice Guidelines for the Advanced Transplant Practitioner*

Moderators: **Mark Burns**, DNP, Instructor of Medicine, Mayo Clinic, Gilbert, AZ and Marian O'Rourke, RN, CCTA, Associate Director, Miami Transplant Institute, Miami

*4:15 PM Maximizing Live Donation: An Algorithm for Program Process Improvement*  
**Deonna Moore**, MSN, ACNP-BC, Nurse Practitioner, Vanderbilt University Medical Center Nashville, TN

*Luncheon Workshops 12:45 - 2:00 PM: Advances in Cardiac Transplantation  
Streamlining Kidney Transplant Candidate and Donor Evaluations*

Sanjay Kulkarni, MD, Associate Professor of Surgery & Medicine, Yale University, New Haven, CT and **Deonna Moore**, MSN, ACNP-BC, Nurse Practitioner, Vanderbilt University Medical Center, Nashville, TN

*Monday, May 20 2:15 - 5:30 PM: Allied Health Symposium II: Improving Your Practice: Clinical Updates for Transplant Coordinators and Advance Practice Providers?*

Moderators: **Tracy Evans-Walker**, MSN, CNP, CCTC, Affiliated Clinical Practitioner, Cleveland Clinic Foundation, Cleveland, OH and Catherine Garvey, RN, BA, CCTC, Director, Transplant Quality, Regulatory and Clinical Practice, University of Minnesota Medical Center - Fairview, Minneapolis, MN

*Primary Prevention: Screening Protocols for Transplant Recipients*  
**Mark Burns**, DNP, Instructor of Medicine, Mayo Clinic, Gilbert, AZ

*Tuesday, May 21 7:25 - 7:50 AM: Sunrise Symposia: Apps, Web and Wifi Pill Bottles: Emerging Technologies in Transplantation*

**Deonna Moore**, MSN, ACNP-BC, Nurse Practitioner, Vanderbilt University Medical Center, Nashville, TN

And, for an evening of fun and a chance to meet up with your colleagues is the popular and traditional "[ATC Night Out](#)" on Tuesday night, May 22. Check out the ATC Program for details.

Click here to [REGISTER FOR ATC 2013 NOW!](#)

## *What else is the ATP Committee doing?*

### **Ongoing initiatives**

#### ***ASTS National Transplant Service Line***

The ASTS National Transplant Service Line is in the works! This initiative provides a national service to help ATP providers increase multidisciplinary management of out-of-region transplant patients in acute care as a resource of contacts for transplant centers across the country.

#### ***Mentorship Program***

This program offers a formal mentoring framework in which a de novo clinician may benefit from the peer support and experience of providers throughout the country. ASTS is here to assist any program by fostering education and supporting members and centers. Click on [ASTS ATP Mentorship Program](#) for more information.

## *Education Corner*

### **A Spring Case Study**

A 35-year old female patient presents to post-kidney transplant clinic with c/o fatigue, and lower extremity pain. The pain started 1 month ago in her feet and has progressively worsened. Now the pain is traveling up both legs. She is unable to ambulate because of the pain.

The Pain is rated 10/10 at worst and 1-2/10 at best with, c/o vomiting. She experiences four episodes daily for the last 6 weeks. She has lost 10 pounds during that time. Denies fever or chills.

**PMH:** Deceased donor kidney transplant for



glomerulonephritis of unknown etiology four months ago that was complicated by delayed graft function. She received basilixmab induction. She received two hemodialysis treatments. She underwent a transplant biopsy that was suspicious for T-cell mediated rejection. She was treated with 3 doses of intravenous methylprednisolone sodium succinate. Serum creatinine decreased from 11 to 8 on post-discharge day 1. She was discharged on prednisone, mycophenolate mofetil and tacrolimus for maintenance.

During the next month she had persistent diarrhea and exacerbated GERD symptoms. Subsequently, she switched from mycophenolate mofetil to mycophenolate sodium. Her GI symptoms improved.

Other medication includes: Valcyte, sulfamethoxazole-trimethoprim, low dose cholecalciferol, esomeprazole, furosemide, Tums. Other history includes: hypothyroidism (on levothyroxine), GERD ROS: 11 systems reviewed and negative excepted as noted above. Physical exam revealed:

Vital Signs: blood pressure 130/75, pulse 90, respirations 14, temperature 37.2, height 170 cm, weight 86.2 kg.

**GENERAL:** Pleasant, in no apparent distress

**HEENT:** Normocephalic, atraumatic, PERRL, anicteric sclerae. Moist mucus membranes. No thrush or lesions.

**NECK:** Supple, no masses or JVDLYMPH: no lymphadenopathyLUNGS: clear to auscultation bilaterally

**CV:** Regular rate and rhythm, S1S2. No murmur, gallop or rub.ABD: soft, nontender, no organomegaly or masses noted.

**GU/ALLOGRAFT/WOUND:** No CVA tenderness. Incision is healed. Allograft is nontender, nondistended, no bruit noted.

**EXTREMITIES:** No edema, decreased joint motionSKIN: No rashes.

Labs at the time of the clinic visit: Hgb 13.5, Hct 41.2, PLT 216, WBC 7.96, differential is normal, sodium 141, potassium 4.1, chloride 110, CO2 21, anion gap 10, glucose 95, total protein 6.1, albumin 4.1, calcium 10.3, total bilirubin 0.2, alkaline phosphatase 152, AST 12, ALT 11, BUN 13, serum creatinine 1.01, magnesium 1.5, phosphorus 2.6, uric acid 5.3, tacrolimus 11.3, Vit D 25 hydroxy 18.9, triglycerides 188, cholesterol 124, HDL 27, VLDL 38, LDL 59, BKV DNA quantitative negative, EBV DNA Quantitative negative. Urinalysis shows 1+ hemoglobin, otherwise negative. Urine cytology is negative for malignant cells and polyoma virus cellular changes.

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### Case Study Questions/Discussion:

1. What is your differential diagnosis, and why?
2. What additional diagnostic tests or labs would you order?
3. What are the treatment options for the patient?



**NOTE:** The answers will be available in the Fall 2013 issue of the ATP e-Newsletter, in the meantime, please feel free to submit your answers to us. The first person to submit the correct answers will be included in the Fall ATP e-Newsletter.

**COMPARE YOUR ANSWERS**  
**From the December ATP e-Newsletter Case Study**

The following are the answers to Case Study questions from the December 2012 ATP e-Newsletter. Compare and see how you did. If you would like to view the Case Study, please refer the, click here to be directed to the [December 2012 issue of the ATP e-Newsletter](#).

**Discussion: Case Study December 2012**

**Q1.** What could have caused the reaction to the Rabbit Thymoglobulin administration?  
*Answer: Cytokine release syndrome (CRS) Rapid infusion rates of have been associated with CRS in case reports.*

**Q2.** Was this the right induction agent for this patient  
*Answer: Yes, the patient has DSA's*

**Q3.** Could this reaction have been prevented?  
*Answer: Possibly infusing slower rate from the beginning, also understanding the patient may have become sensitized with rabbit antibodies. May need to pre treat with an antipyretic, antihistamine, and/or corticosteroid.*

**Q4.** Should the transplant proceed or be cancelled?  
*Answer: That depends on the patient's status and the surgeons comfort level.*



As always, we want you to get involved with us and share any transplantation-related initiatives or projects that you would like your colleagues to know about. Your contributions and feedback are always welcomed!

Happy Spring! We look forward to hearing from you!

Sincerely,

A handwritten signature in black ink that reads "Tracy Evans-Walker". The signature is written in a cursive style.

Tracy Evans-Walker, MSN, RN, CNP CCTC  
Editor, Spring Newsletter

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**Meet your 2012-2013 ATP Committee! [Click here to view committee bios.](#)**

Chair - Mark W. Burns, DNP, FNP, ACNP, RNFA, E-TNS

Co-Chair - Amanda G. Dean, NP, RNFA

Rebecca Duke, NP

Tracy Evans-Walker, RN, MSN, CNP, CCTC

Gwen McNatt, FNP

Deonna Moore, MSN, ACNP-BC

Georgeine Smith MS, MHS, PA-C

**SAVE THE DATE!**

CLICK ON THE MEETINGS TO FOR MORE INFORMATION

**American Transplant Congress (ATC), Washington State Convention & Trade Center, *May 18-22, 2013, Seattle, WA***

**NATCO 2013 Annual Meeting, *August 10-13, 2013, San Diego, CA***

**9th Annual Transplant Nurse Practitioner Symposium: Update on the Clinical Management of the Transplant Patient", *October 17-18, 2013, Nashville, TN***

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