



# The Kansas Scope

Dec, 2016

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**2017  
KSCLS/Wheatlands  
CLMA Joint Meeting  
March 29-30, 2017  
Hilton Garden Inn,  
Manhattan, Kansas**

The Kansas Scope is back, and we want to hear from you! If you would like to submit something for publication in the newsletter, contact Rebecca Taylor at: [rbcatylr@gmail.com](mailto:rbcatylr@gmail.com) and include "KSCLS" in your subject line.



## KSCLS Letter from President Fall 2016

Happy Fall/Winter to everyone and I hope that life is treating you well.

A new year has begun for ASCLS/KSCLS on August 1 and we are off to a great start. Our own, Suzanne Campbell, is ASCLS President for 2016-2017. We have a new Executive Vice President, Jim Flannigan. The 2017 ASCLS Annual Meeting will be July 31 – August 3, 2017 in San Diego, CA. The KSCLS/Wheatlands CLMA Joint Annual Meeting will be March 29 – 30, 2017 in Manhattan, KS. I hope you see the excitement and want to be a part of it.

The 2017 KSCLS/Wheatlands Chapter of CLMA Joint Meeting will be held March 29 – 30, 2017 at the Hilton Garden Inn, Manhattan, KS. We had such a great response and turnout last April that we decided to do it again! This year Wendy Wang, Student Forum Rep, will be hosting a Student Quiz Bowl and other special sessions on Wednesday. Students get ready. The awards ceremony will be at lunch on Wednesday. The KSCLS Annual Meeting will be at lunch on Thursday. The program committee is beginning to line up speakers. If you have a topic or speaker that you would like us to use, please contact me ([carol.shearer56@gmail.com](mailto:carol.shearer56@gmail.com)) or Beckie Hetrick ([bhetrick@hotmail.com](mailto:bhetrick@hotmail.com)).

The KSCLS Summer Leadership meeting was held on August 20 in Manhattan. We had a record number of leaders present – 16! We revised and updated the KSCLS Society Position Descriptions that can be found on [KSCLS.com](http://KSCLS.com).

Nicholas Yu and Rebecca Taylor have volunteered to update and renew our website, Facebook page and [KSCLS SCOPE](http://KSCLS SCOPE). If you have pictures, case studies, or something that you would like to share; these are our "go to" people.

We do have actions that we need to take. The first is to increase our membership through recruitment of new members and reaching out to our lapsed members. [ASCLS.org](http://www.ascls.org) has many “tools” to help in the recruitment process. Take a look at these to see if they can help you begin conversation with a colleague that does not belong or to a student that is just beginning the journey. We have much to offer, if not just the friendship.

ASCLS is also looking for ASCLS Voices Under 40. These are people under the age of 40 who have shown exceptional commitment to ASCLS, the laboratory profession, and their community at large. Honorees will be recognized at the annual meeting in San Diego. If you know someone who fits the description, please nominate them. You can check out 2016 year’s winners at <http://www.ascls.org/about-us/ascls-voices-under-40>.

What has KSCLS/ASCLS done for you recently? ASCLS along with our partners, ASCP and ASCP-BOC, met with CMS to discuss the CMS degree equivalency policy as it pertains to nursing degrees. They provided a petition with 35,000 signatures opposing this policy that states “...nursing degrees are equivalent to the biological sciences degree for laboratory testing.” I sent a letter to CMS and signed the petition. Did you? Go to [ASCLS.org](http://www.ascls.org) and check out the Government Affairs blog for more information. Our voices were heard and now we wait and see what happens...

Students, First Year Professional, Professional 1, and Professional 2 readying for a BOC certification exam, did you know you can get half off ASCLS Professional membership when you pass the BOC?

When you pass any BOC certification exam you will automatically receive an email from ASCLS entitling you to this discount. What better way to become a KSCLS/ASLCS member.

Remember, without members, ASCLS/KSCLS cannot provide all of the benefits that you enjoy...conferences, networking, leadership development, advocacy, publications, continuing education, discount programs, and promotion of the profession. Check out [ASCLS.org](http://www.ascls.org) and [KSCLS.com](http://www.kscls.com) for opportunities.

Please feel free to reach out to me if you have any questions about KSCLS or any of information that I have just given you. I love to talk with people!

Thank you.

Carol Lee Shearer

KSCLS President 2016-2017

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# Case Study Challenge

We will be offering case studies in the Kansas Scope, and on the KSCLS website and Facebook page. If you have a case study to share, please email it to [Case.Studies@KSCLS.com](mailto:Case.Studies@KSCLS.com).

## December Case Study: What Antibody?

A 26 year old African American female presented to the OB/GYN clinic at a small mid-western hospital. She had a history of four pregnancies, with two live births and two miscarriages. Her current pregnancy was at 14 weeks gestation. She appeared to be healthy, with normal vital signs, and the fetus seemed healthy, as well.

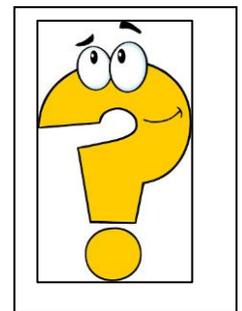
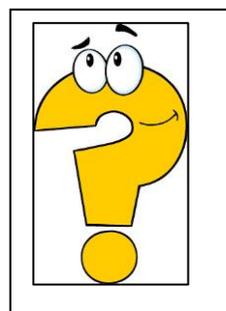
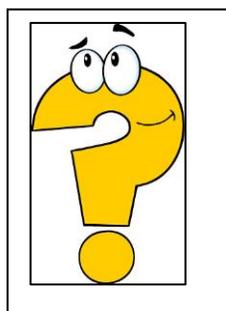
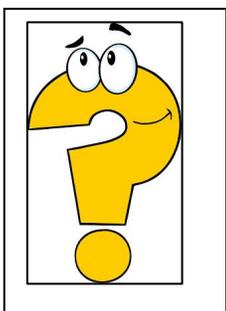
Her obstetrician ordered routine labs, including an ABO/Rh and antibody screen. The blood bank technologist performed the testing in the gel system with a three cell screen. The test results appear below.

### ABO/Rh testing

Reagents	Anti-A	Anti-B	Anti-D	Control		A <sub>1</sub> cells	B cells
Results	4+	0	4+	0		0	4+

### Antibody screen testing

Reagents	Screening Cell 1	Screening Cell 2	Screening Cell 3
Results	2+	2+	0



The technologist performed an antibody identification panel, also in the gel system. The results appear below.

Cell	D	C	E	c	e	K	k	Fy <sup>a</sup>	Fy <sup>b</sup>	Jk <sup>a</sup>	Jk <sup>b</sup>	Le <sup>a</sup>	Le <sup>b</sup>	S	s	M	N	P <sub>1</sub>	Results
1	+	+	0	0	+	0	+	0	+	+	0	+	0	+	+	+	+	+	2+
2	+	+	0	0	+	+	+	+	0	0	+	0	+	+	+	+	0	0	2+
3	+	0	+	+	0	0	+	0	+	0	+	0	+	0	+	+	+	+	2+
4	+	0	0	+	+	0	+	0	0	0	+	0	0	0	+	0	+	+	2+
5	0	+	0	+	+	0	+	+	0	+	+	0	+	+	+	+	+	+	0
6	0	0	+	+	+	0	+	0	+	+	+	0	0	+	0	+	0	+	0
7	0	0	0	+	+	+	+	0	+	0	+	0	+	+	+	+	0	0	0
8	0	0	0	+	+	0	+	+	0	+	+	+	0	0	+	+	+	+	0
9	0	0	0	+	+	0	+	0	+	+	0	0	+	+	0	+	+	+	0
10	0	0	0	+	+	0	+	+	+	0	+	0	+	0	+	0	+	0	0
11	+	+	0	0	+	0	+	0	+	+	0	+	0	+	0	+	0	+	2+



Questions:

1. What is the ABO/Rh of the patient?
2. What antibodies cannot be eliminated using homozygous cells on the panel?
3. What is the most likely antibody identification, given the pattern of reactive cells on the panel?
4. Is this antibody identification consistent with the patient's other test results (ABO/Rh and antibody screen)?
5. What further testing, if any, would you request?
6. How would you result this patient's testing in your report to the physician?

Answers and explanation appear at the end of the newsletter.

## MEET YOUR 2016 – 2017 DISTRICT REPRESENTATIVES!

Northeast District Representative: Jessica Kinney

My name is Jessica Kinney and I've been a medical laboratory scientist for three years at Stormont Vail Health. I live in Topeka with my husband, two cats, our dog and a guinea pig. If you have any questions let me know, I will be glad to help!

Jessica Kinney MLS (ASCP)  
KSCLS NE District Representative  
jessica.kinney@kscls.com

Northwest District Representative: Cheryl Lippert

I have been working in the state of Kansas as a Medical Technologist since 1981, after graduating from Wesley and Pittsburg State. I have met and been associated with many Kansas professionals. I left the hospital world when Leonard Bunselmeyer offered me a position in the Barton MLT program. After 8 years I have learned so much more than I ever thought I could and have enjoyed teaching! The pleasure of interacting with my professional colleagues, students and instructors has enhanced my managerial growth and brought several mentors into my life. There is nothing like the connection among Kansas lab folks. I have enjoyed my time serving as the Northwest KSCLS representative, and assisting with meetings. KSCLS is a close knit, instructive group, and has taught me much about professional organizational management. As our laboratory professionals age, I am always looking for ways to “wave our profession in front of the young” so that they, too, can enjoy the camaraderie and satisfaction from a good days work in the lab!

Cheryl Lippert  
MLT Program Director  
Barton County Community College  
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## Meet Your Neighbors!

This section of the newsletter will feature a Kansas medical laboratory facility or medical laboratorian. If you have a story to share, please send your submission to Rebecca Taylor at [rbcaty1r@gmail.com](mailto:rbcaty1r@gmail.com). Include KSCLS in the subject line.

Our story today comes from Irwin Army Community Hospital (fondly known to its staff as IACH), which is located on historic Fort Riley in the lovely Flint Hills region of Kansas. The US Army first began providing medical services on Fort Riley in 1854. IACH, named in honor of Brigadier General Bernard John Dowling Irwin (“The Fighting Doctor”), was dedicated on February 7<sup>th</sup>, 1958. The legacy IACH building, located at 600 Caisson Hill Road, was state of the art when it was built in 1958, but times change, and we must change, also, in order to better meet the needs of our patients and community. Fort Riley stepped into the future by constructing a new hospital facility at 650 Huebner Road, which began providing medical services on October 17<sup>th</sup>, 2016.

As a community hospital, IACH provides a broad range of health and wellness interventions, from emergency medical care to community outreach services. The facility may be new, but the mission is unchanging - providing customer-focused service and high quality standards to support the soldiers, families, and retirees of Fort Riley and the surrounding community. If you happen to be in the area, come see our beautiful, new building!

The picture below shows an artist’s rendering of the new IACH.



# Answers to the Case Study Questions

1. What is the ABO/Rh of the patient?

**A Positive**

2. What antibodies cannot be eliminated using homozygous cells on the panel?

**Anti-D, Anti-C, Anti-E**

3. What is the most likely antibody identification, given the pattern of reactive cells on the panel?

**Anti-D matches the pattern of reactive cells.**

4. Is this antibody identification consistent with the patient's other test results (ABO/Rh and antibody screen)?

**No; it is not unexpected for an Rh positive patient to form anti-D.**

4. What further testing, if any, would you request?

**Molecular testing to characterize the patient's Rh genotype.**

5. How would you result this patient's testing in your report to the physician?

**The patient is Group A, Rh Positive, with the partial D genotype.**

**Molecular testing was performed at the American Red Cross National Molecular Laboratory in Philadelphia, Pennsylvania. The patient's genotype was identified as RHD\*DIVa. This genotype is associated with a partial D phenotype characterized by altered or deleted epitopes. It is most frequently found in African American individuals, and may result in formation of anti-D in patients who appear to be Rh positive.**

References and further reading:

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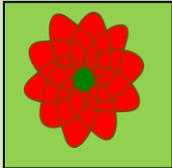
Vege, S & Crowley, J. Laboratory report From the American Red Cross National Molecular Blood Group and Platelet Testing Laboratory, 02 November 2010

Flegel, W. A (2002) Molecular biology of partial D and weak D: Implications for Blood Bank Practice, Dept. Transfusion Medicine, University of Ulm DRK Blutspendedienst Baden Württemberg-Hessen, Ulm, Germany, accessed on 02 March, 2011 at <http://www.uni-ulm.de/~wflegel/RH/2002>

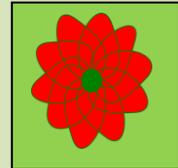
Wagner, F. F. (2011). The RhesusBase, accessed at <http://www.uni-ulm.de/~fwagner/RH/RB/DAA.htm>, 03 March, 2011

## LAB LAUGHS

What does Santa Claus say  
in the Blood Bank?



“O, ‘O, ‘O!”



Enjoy the holiday season, everyone, and be safe!

Best wishes from your KSCLS leadership team!

*Happy Holidays*