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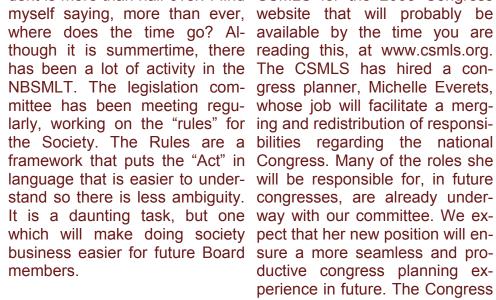
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Regulation and to accompany the application.

President's Message

I find it hard to believe as I am The Congress Committee has writing this that my term as Presi- been busy providing input to the dent is more than half over. I find CSMLS for the 2005 Congress ductive congress planning experience in future. The Congress The Advisory Committee on sub-committees have not been Professional idle, though the summer has pro-Practise has been working to vided some downtime. In Sepclarify some of the wording for tember there will be many deadprofessional development lines identified. With a national There are minor Congress there are many details changes to wording that empha- that need to be hammered out to size the need for documentation meet a national timeline and allow technologists across the

(Continued on page 2)

A pessimist sees the difficulty in every opportunity; an optimist sees the opportunity in every difficulty.

Winston Churchill

MLT Analyzer 2004 Issue 3

President's Message

(Continued from page 1)

country access to information, with enough time to allow for planning to attend.

I'd like to congratulate the successful candidates for the CSMLS certification exams. There were seventeen names supplied by CSMLS, to the Registrar, of general RT's and one name of a cytology RT. As well, there were two lab assistants who passed the CSMLS MLA certification exams. Congratulations and welcome!



Bernadette Muise, BSc, MLT **NBSMLT President 2004**

As another school year begins, I urge you to take notice of the educational opportunities that present themselves. A Maritech registration form will be included in this issue. Many correspondence courses begin in the fall and the module courses offered by CSMLS are more manageable than some of the longer more traditional courses. I invite all of you to challenge yourselves professionally this year.

Congress 2004 in Saskatoon

Congress 2004 in Saskatoon was busy, enlight- shells and fish caught in it. The committee ening and entertaining. There was a significant sported white sailor hats with congress pins atcontingent from NB able to attend. Paul Green tached. We were unmistakeable. Did you know was invited to attend by the CSMLS awards that the lead weights sewn into fishing nets committee. Paul was presented with the David would cause your carry on baggage to be Ball Memorial award for community service. searched?? Bernadette Muise and Randi Haves attended as official representatives of the NBSMLT. Susan Atkinson attended as a CSMLS Bilingual director and Congress 2005 Chair. Congress 2005 committee members Marty White, Colleen Moran, Jim Sloan, Charlene Collins, Coral Mac-Rae, Suzanne Mac Fadden and Anne Robinson were also able to attend.

The main focus of the congress committee was to promote Congress 2005 in Moncton. Their aim was to make our conference appealing and, dare I say it, even irresistible to as many of the delegates in Saskatoon as possible. Judging from the preliminary response I'd say they recognized as ambassadors for the Congress did a wonderful job.

thinking up a gimmick to catch the attention of and promoted during the trade show; but we the delegates and exhibitors. Well, they did! didn't stop there, to each event we attended, The Congress 2005 booth featured a dinghy, complete with oars, and fishing net with various



At the opening of the trade show our very own Captain, Susan Atkinson, our mermaid, Coral MacRae and Jim Sloan. dressed as that famous pirate Captain Morgan; complete with a stuffed monkey on his shoulder; meandered though the crowd distributing gold coins (chocolate is always welcome). They became immediately

2005. We had many visitors to our display booth, and many of them expressed a desire to The adventure began with the core committee come east for our event. We smiled and joked we wore our sailor hats and they were noticed!

(Continued on page 3)

Congress 2004 in Saskatoon (cont.)

(Continued from page 2)



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in a working capacity. You take note of things one of the things over which the committee has from a different perspective. As a delegate, no control. In planning social events you have content is most important; from a planning per- to ensure that the weather won't seriously imspective, you are checking out the size of the pact the level of participation; another lesson to lecture rooms, the proximity of bathroom facili- remember. ties, coffee break and lunch offerings, the presentation equipment, the length and content of We left Saskatoon, full of enthusiasm for our smoothly.

ence. There was one outdoor event scheduled be calling on many more of you to help out. which had to be rearranged at the last minute, the horse races were cancelled, but they had a

watched on television. The dinner was served When as planned and everyone had fun though in a at- slightly different way than first anticipated. The a other outdoors event was fortunately held the Congress evening that the sun came out and the tema perature was very pleasant. We visited a heridelegate tage site where the first nation peoples used to ex- herd buffalo over a cliff, called a buffalo jump. perience There are several of these buffalo jumps in the the scien- western provinces. The evening was comprised and of a tour of the site with presentations on tipi s o c i a I making, herding of buffalo and finally a display programs of first nation ceremonial dancing. A delicious in a different way than you do when you attend dinner was also served on site. The weather is

lectures and a million other details hoping that plans, but also very tired. The committee took a when your time comes you won't overlook any- much needed, break during early July but with thing that will make the conference run more deadlines fast approaching for the fall, meetings are already scheduled for August and September. We have had tremendous support from In one respect, Saskatoon was unlucky with the the members of the NBSMLT around the provweather. It was damp for most of the confer- ince and as we get closer to the event we will

contingency plan, where the races were Congress in Moncton 2005 May 28th - June 1st

Election Information 2004

The time is here once again for the nomination of **President Elect** for the New Brunswick Society of Medical Laboratory Technologists.

put forward names of NBSMLT members to Elect, the second year (2006) he/she will bestand for this important position. It is an oppor- come President of the Society and the third tunity for you to nominate technologists with a year (2007) this individual will serve as Past vision for the future, an individual who will be President.

able to direct the Society's affairs in these interesting and challenging times.

This will be a three year term: the first year The Nomination Committee requests that you (2005) the technologist will serve as President

Congratulations!!

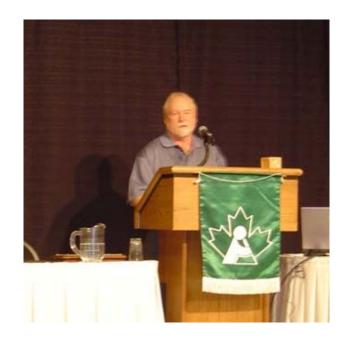
David Ball Award Recipient - Paul Green

On June 14, 2004 at the National Congress in Saskatoon, **Paul Green** was awarded the David Ball Community Service Award.

The CSMLS Board of Directors has established this special award to recognize Medical Laboratory professionals who volunteer their time and talent to make a difference in their communities.

The award is named in honor of former CSMLS President David Ball who was a selfless volunteer. This ward is presented annually at the CSMLS Congress, with travel and accommodation costs paid by CSMLS.

Nominations are submitted by CSMLS members and require a detailed citation accompanied by letters of support. Mr. Green is active in his community of Perth Andover serving various groups including the local fire department, curling club



his community of Perth Andover serving various and church. He works at Hotel Dieu of Saint Jogroups including the local fire department, curling club seph, Perth Andover as the Chief Technologist. Congratulations Paul.



Congratulations to: **Maria Aguirre** who recently passed her CSMLS Certification exam. Maria Aguirre is from Columbia and went through the Prior Learning Assessment process by which the CSMLS determines if the qualifications and training the foreign trained technologist has received are sufficient to allow her to write the CSMLS certification examinations. She is employed at the laboratory in Perth Andover.

Submitted by Pat Stone

A 68 year old male patient was admitted to the Emergency department on June 17th as a transfer. When the type and screen was performed, again from another facility. The testing performed at the referring hospital indicated that the patient was Group B, Rh Positive with a negative antibody screen. The antibody screen was performed using the gel method. He was transfused with 2 units of Group B Rh negative Red Cell Concentrate (RCC) and 4 units of Group O Rh positive RCC in the ambulance enroute. The diagnosis was abdominal aneurysm (ruptured).

The initial laboratory results were not done until the patient was actually in the Operating Room(OR): Hgb 109 g/L Hct 0.319 L/L Plt 85 x10⁹/L PT 15.2 seconds **INR 1.41** aPTT 30.0 seconds CK 437 U/L CKMB 28.5 (normal range <5.0 ng/ml) Gr & Rh B Rh Positive Antibody Screen LISS tube method was Negative.

Group O Rh Positive RCC, and 4 units of Fresh

Frozen Plasma Apheresis Group B. He was transferred to the Surgical Intensive Care unit. Post op lab results June 18th 0855: Hab 99 a/L Hct 0.292 L/L PT 15.3 seconds INR 1.42 aPTT 29.5 seconds CK 1445 U/L CKMB 157.5 (normal range <5.0 ng/ml)

On June 19th, the patient's haemoglobin was 84 g/ L, Hct 0.248. He was transfused with 2 units of B Rh positive RCC. On June 22nd, a request was made for a unit of RCC. A Type and Screen was performed using solid phase screening technique and the antibody screen was found to be negative. 1 unit of B Rh negative RCC was transfused. On July 1st, Hgb. 92 g/l Hct. 0.277 and the request was made for 2 units of RCC as the patient was

unstable.

using solid phase technique, the antibody screen at this point was positive - S1 4+; S2 4+. The solid phase antibody identification showed 4+ in all cells, except the auto control. The Direct Antiglobulin Test (DAT) was micro positive with complement only and the auto control was negative. Panels using Saline Indirect Antiglobulin test (SIDAT) method, Low Ionic Strength Solution (LISS) and papain treated cells were all positive. The reactivity was also present at 15 degrees Celsius. A titration was performed to rule out High Titre Low Avidity specificity; and the results were not consistent with HTLA reactivity. The patient's pre transfusion specimen at the referring hospital was antigen typed and found to be:

DCe/dce, Fy a+b+; Jk a+b+, ss, NN, P₁+; & K neg

The nursing unit was notified that the patient had an unidentified antibody to a high incidence antigen and his specimen would need to be referred for identification. The technologist then cross-matched the patient's plasma, with all of the Group B and Group O units available in the blood bank. Cana-During surgery he was transfused with 3 units of dian Blood Services (CBS), Saint John Centre, was contacted and sent segments, which were crossmatched with the patient's specimen. In testing 170 units of blood, 1 unit was found to be compatible for the patient. One of the patient's siblings, was tested on July 3rd and his sample was found to be incompatible with the patient.

> The attending physician was consulted with regard to the risks and benefits of transfusion of the patient at this time. The unit was transfused without incident. The patient's haemoglobin level remained stable at 83g/l. Unfortunately the patient succumbed as a result of complications from the original underlying condition.

There is a commercial reagent "W.A.R.M." manufactured by Immucor Inc. sometimes used to resolve serological problems resulting from autoantibody complexes coating the red cells. While some autoantibodies have a single specificity; it is more common that the specificity cannot be determined possibly to return to the OR; and his condition was without the use of rare cells. The autoantibody can

(Continued on page 6)

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with enzymes and heat; which then facilitates identification of any underlying allo-antibodies in the auto adsorbed sample. This commercial reagent which is composed of dithiothreitol (DTT) and cysteine activated papain in a phosphate buffer is based on the ZZAP reagent principle. The proteolytic activity of the "W.A.R.M." reagent causes enhancement of Rh antigens, destruction or alteration of enzyme sensitive antigens, such as in the Duffy negative, as was the patient. system or the MN system. The dithiothreitol portion of the reagent causes denaturation of the most Cooperation between several institutions made this common antigens in the Kell system.

was probably no autoantibody present. This re-Kell system, which had been denatured by the "W. A.R.M." reagent.

The Kp^b antigen has an incidence of 99.9 % in the individuals.

population and is denatured by DTT, therefore it often be removed from the red cells by treatment was presumptively identified as the antigen to which the antibody present in the sample was reacting.

> A sample was referred to CBS in Ottawa on July 5th for antibody identification. On July 7th, the reference lab confirmed that the specimen demonstrated anti Kpb specificity and that the unit, which was crossmatch compatible on July 3rd, was in fact, Kp^b

uncommon experience less harrowing. The technologist at the referring hospital, provided pre-In this case, because the DAT was negative, there transfusion antigen testing on the patient. The Dr. Everett Chalmers Hospital provided the "W.A.R.M." agent was used to treat the antigens on panel cells reagent which allowed a preliminary identification to to determine if the alteration of the antigen sites on be reached. CBS Saint John provided large numthe cells would make any difference in reactivity. bers of segments for testing with the patient speci-The treated panel cells when tested by indirect an- men; the CBS reference lab in Ottawa, provided the tiglobulin test (IAT) showed no reactivity. This lack results of the identification studies in a very timely of reactivity indicated specificity for antigens in the fashion. Consultation with the Immucor technical specialist, Eric Ching, was helpful as well. Cases such as these, thankfully rare, are more easily resolved with the participation of many key



New Brunswickers in Saskatoon 2004:

Front Row: Paul Green, Bernadette Muise, Susan Atkinson, Charlene Collins, Anne Robinson, Coral MacRae Back Row: Suzanne MacFadden, Marty White, Randi Hayes, Colleen Moran, Jim Sloan



MARITECH 2004

NOVEMBER 22 - 24 2004

CASINO NOVA SCOTIA HOTEL

ŀ	PERSONAL INFORMATION	NAME BADGE DATA

CSMLS No:									
Surname	First Name	Name							
Street			— Title						
City	Province								
Postal Code			Place of	Place of Employment					
Telephone				aont					
E-Mail:									
**Confirmation by E	-Mail only.		_						
REGISTRATION	<u> </u>	tration on or be	fore November	1 2004					
EARLY Member:	1 DAY \$86.25	2 DAY \$172.50	3 DAY \$258.75	<u>LATE</u> Member:	\$115.00	Per Day			
		\$230.00	\$345.00	Nonmember:	\$115.00	Per Day			
Student:	\$11.50	\$23.00	\$34.50	Student:	\$11.50	Per Day			
Reg	gistration fees includ	es 15% HST							
SOCIAL Back To The 70's Exhibitor's Nights Maritech Dynasty		. 21 \$17 . 22 No C . 23 \$40	Charge Attend	ling? Yes _.	No				
			no Nova Scotia Hotel rence Maritech 2004 with reservation						
PAYMENT INFORMATION Registration_ Social Total			Mail PO E Halif	que payable to: Ma To:Maritech 2004 3OX 60012 ax Nova Scotia 4R7	ritech 2004				
Payment must according Payment by cash or	mpany registration for cheque only	fax: ((902) 473 - 4432						

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	MONDAY
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		MANIECH	MONDAI, NO	MONDAI, NOVEMBER 22, 2007		
$\begin{array}{c} 0900-\\ 0915 \end{array}$		Openi	ing Ceremony & Introd	Opening Ceremony & Introduction of Keynote speaker		
0915-1000		X	Keynote Address	Dr. Nuala Kenny		
1000- 1030			Refresh	Refreshment Break		
	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6
	Biochemistry	Hematology	Anatomical Pathology	Microbiology	Transfusion Medicine	Cytopathology
1030-	Dr. Roland Jung	Dr. Wenda Greer	Brian Hewlett	Dr. Joanne Langley	Sue Smith	Dr. Martin
1130	"Laboratory Utilization	"New Developments	"Tissue	"Are We Ready for	"Canadian Blood	Bullock
	Management in a	in Molecular	Fixation"	Emerging Infectious	Services-Delivering	"Salivary Gland"
	District Health	Diagnostics for		Diseases?"	a Better Blood	
	Authorny-Chemistry	nemato-Oncology			Collections,	
1130 -			Lun	Lunch Break	Communities	
1300						
1300-	Danielle Slippoy	Dr. Bassam Nassar	Moira	Cheryl Brine	Dr. Maureen	Panel Discussion
1400	"Utility of B Type Natrimetic Pentide	"Hemochromatosis"	MacLaughlin "Forensic	"Yeast Identification"	Baikie "West Nile Virus"	Dr. Ostry
	(BNP) as an Diagnostic		Pathology		West Mile Villes	
	Aid in Emergency		Anthropology"			
1400-	Dr. Edward Randell	Dr. Raia Abdel-	Moira	Dr. David Haldane	Victoria Hurlbut	Panel Discussion
1500	"Folate and Vitamin	Majid	MacLaughlin	"Sexually Transmitted	"Conquering the	Continued
	B12 Status Testing	"Tissue Typing and		Diseases" Mc Dakhia Anthony	Quality Mountain:	
	Fortification: Is There	Tanspiantation		"Respiratory Viruses"	Quality System	
	Need for Change?"				Course"	
1500- 1530			Refresh	Refreshment Break		
1530-	Dr. Tom Ransom	Victoria Miller	Dr Vernon	Linda Best	Joan McLeod	Dr. Rob Grimshaw
1630	"Genetic Aspects of	"Thrombophilia"	Bowes	Geraldine Cooper-Lesins	"Interesting Case	"Future of Cervical
	Insulin Sensitivity:		"Forensic Science	Helicobacter pylori: "A Review of Resistance and	Studies:	Screening in Nova
	Metabolic Syndrome"		Pertaining to	Susceptibility	Manual Testing"	
	`		Pathology"	Methodologies")	
				Debbie Anthony		
				"Respiratory Viruses-		
				Methodologies"		
1630- 1800			Indepe	Independent Break		
1800-			Exhib	Exhibitors Night		

TUESDAY, NOVEMBER 23, 2004 MARITECH

General Session Dr. Francoise Baylis

				MLT Analyzer					9
0560	0930 - 1000		1100 -	1100 - 1200	1200 - 1330	1330 – 1430	1430 - 1530	1530 - 1600	1600 – 1700
		Room 1 Biochemistry	Dr. Kent Dooley "Neonatal Clinical Chemistry"	Dr. Joanne Cadeau "Hemoglobin A ₁ C: Harmonization within Canada Standardization Internationally?"			Dr. Richard Norman "Metabolic Basis for the Investigation and Prevention of Kidney Stones"		Pam Dagenais MLT "Drugs of Abuse"
		Room 2 Hematology	Trefor Higgins "The H in HPLC Really Stands for Hemoglobin Analysis"	Janet Milne "Platelet Function Analyzer (PFA- 100)			Dr. R. Juskevicius "ALL and Morphology"		Dr. Irene Sadek "Flow Cytometry"
	Refres	Room 3 Anatomical Pathology	Heidi Sapp "The Many Faces of Colitis"	Rob Macaulay "Neurological Disorders of the Brain"	Lu	General Session	Marnie Wood "Lung Tumors The Good, The Bad and The Ugly"	Refres	Margaret Martin "Electron Microscopy"
	Refreshment Break	Room 4 Microbiology	Dr. David Cone Rosemary Drisdelle "Forensic Parasitology: When Parasites Turn Bad"	Gail Drisdelle "Laboratory Acquired Infection and Infectious Dose"	Lunch Break	General Session – CSMLS (Kurt Davis)	Carol Pelton "TB Past and Present"	Refreshment Break	Judy Arbique "Laboratory Bioterrorism Preparedness"
		Room 5 Transfusion Medicine	Wendy Turner "Hospital Customer Service Strategies"	Wanda Thomas "IVIG Dollars and Sense: How to make a difference"			Pegi Wilson "Specimen Acceptance & Rejection Criteria in the Blood Bank Laboratory"		Marina Hamilton "The Provincial Blood Coordinating Program: Avoiding the blood shed"
		Room 6 Cytopathology	Dr. Rebecca MacIntosh "GI"	Margery MacIsaac "QA Guidelines, Updates on GCSP"			Dr. Penny Barnes "Breast"		Dr. Laurette Geldenhuys "Urinary"

WEDNESDAY, NOVEMBER 24
MARITECH

		Room 6 Management	Mary Godwin "Recruiting Medical Laboratory Technologists to Nova Scotia"	Bryan Crocker "Laboratory Information Systems to Support Business Planning and Operational or Strategic Decision Making"		Sheila Woodcock "An Action Plan to Implement ISO Quality Standards"	
		Room 5 Transfusion Medicine	Dr. Patrick Crosskerry "Error in the Hospital Laboratory Setting"	Dr. Irene Sadek "TBA"		Dr. Heather Hume "Buffy Coat Platelets – Why, How & What it Means for You and Your Patients"	
II:	t Break	Room 4 Microbiology	Dr. Kevin Forward "VRE, MRSA and Beyond"	Gina Pelham Lynn Amiro "EPA 1623 Water Testing for Giardia & Cryptosporidium"	reak	Dr. Tim Mailman "Current Topics in Pediatric Microbiology"	Idress I Leiter
General Session Dr. Colleen O'Connell Healing Hands in Haiti	Refreshment Break	Room 3 Anatomical Pathology	Alma Cameron Lynn Archibald "The Role of the Pathology Assistant How Gross Is It?"	Dr. Shawn K. Murray "Why Men With Newly Diagnosed Rectal Cancer Should Undergo Prostate Cancer Screening (Serum PSA, Prostate Biopsies) Prior to Surgery (Rectal Resection)"	Lunch Break	Dr. Lynn Johnson "Infection Control CSD"	Closing Address Dr. Michael Leiter
		Room 2 Hematology	Dr. S. Couban "Bone Marrow Transplant Program"	Pending Confirmation		Pending Confirmation	
		Room 1 Biochemistry	Dr. Albert Fraser "Tandem Mass Spectrometry For Transplant Drugs"	Dr. Ricardo Rendon "Clinical Applications and Controversies of PSA Testing"		Gerald Myers RRT, CCP "Acid Base Balance and Cardiopulmonary Bypass"	
0830 - 0830 - 0830 - 0830	0930 - 1000		11000 - 11000 - 11000 - 11000 - 11000	1 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1200 - 1330	1330 -	1430 -

From the Editor:

It has been a busy summer and everyone seems to have taken a well-deserved break. With fall and the school season beginning again, many of you have begun the round of fall activities revolving around school and hobbies; take the time to do something to enhance your professional development...read an article, take a course, attend a seminar.

Maritech is being held November 22-24 in Halifax. Have a look! It promises to be both interesting and enjoyable.

As always, the editor is interested in your opinion and ideas, as well as any articles you might care to write. This is the forum for communication between technologists and the Board of Directors of the NBSMLT.



Send any submissions to:

Bernadette Muise Transfusion Medicine The Moncton Hospital 135 MacBeath Ave, Moncton NB F1C 678

Email: Analyzer@nbnet.nb.ca

Deadlines for submissions for the MLT Analyzer 2004: Issue #4 October 22, 2004



Newly Certified Medical Laboratory Assistants

Two candidates Authority challenged

and were both successful. Congratulations to mation contact the CSMLS at www.csmls.org. Starr Holmden and Suzanne Dupuis who are presently employed on the Phlebotomy team at The Moncton Hospital.

The voluntary certification program is designed to provide a professional credential for those individuals who are practising as medial laboratory assistants in the workplace. There are a set of standards and competency profiles available from the CSMLS. Lab assistants who have

from graduated from a recognized program, as well Southeast Regional Health as those who have no formal training but a letthe ter from their supervisor and documentation to CSMLS Medical Laboratory support their experience, may be eligible to sit Assistant certification exams held in June 2004 the MLA certification exams. For further infor-



Congratulations!!

Newly Certified Technologists

Maria Aguirre

Patsy Charest

Christopher Corey

Angeline Doucet

Nicole Doucet

Tanya Dupuis

Christina Hemitage

Jennifer Landry

Sylvie Leger

Linda Mann

Kelsey McCulley

Debra Millican

Sylvie Robichaud Leon Waye

Shannon Rouzes

Dawn Sypher

Christine Theriault

Jan Aucoin (Cytology)

Change of address information must be sent to both CSMLS and NBSMLT offices.



▶ Please remember to include all necessary documentation with your PDP applications; this will prevent any additional delay in the processing. If you wish original documents to be returned, please include a stamped self-addressed envelope.

Many thanks...your ACR&PP committee.

Upcoming Events you won't want to miss!!

Newfoundland Conference, St. John's, October 20-23, 2004 More to Explore in 2004 www.janus.northatlantic.nf.ca/~nlslt

Maritech 2004 Halifax, NS November 21-24, 204 Celebrating the Past - Embracing the Future www.nscmlt.org

CSTM 2005 Banff, Alberta, April 21-24, 2005 Mountains, Moguls and Modern Advances in Transfusion Medicine

CSMLS / NBSMLT Congress 2005 Moncton, NB May 28-June 1 Navigating the Tides of Change

NBSMLT AGM / Symposium 2005 Moncton, NB Oct. 21,22

