

# 2018 FRITZ WENZEL SCIENCE CONFERENCE

Celebrating 32 Years of Healthcare, Science, Research and Education

Saturday, February 17, 2018

Erdman Lobby-Froehlke Auditorium

Marshfield Clinic, Marshfield, WI

8:15 a.m.	<b>Registration</b> Laird Center for Medical Research: Erdman Lobby	<p>In an effort to offer each participant at least one (1) hands-on/tour workshop, each participant must register to attend at least one (1) workshop held in the <b>Robert F. Froehlke Auditorium*</b> for the day.</p> <p><b>Ratio: 4 students per 1 teacher</b></p>
8:45 a.m.	<b>Welcome by Fritz Wenzel, MBA, FACMPE</b> Laird Center for Medical Research: Robert F. Froehlke Auditorium	
9:00 a.m.	<b>Your Impact, Your Way – Linda Scott, PhD, RN, NEA-BC, FAAN, Dean and Professor, School of Nursing, University of Wisconsin-Madison</b> Laird Center for Medical Research: Robert F. Froehlke Auditorium	
10:00 a.m.	<b>Break, move to workshops</b>	
10:15 a.m.	<b>Workshops: A, B, C, D, E, F, G</b>	
<p><b>[A] Psychiatry, the Ebb and Flow of the Ever Changing Mind! Whoa! - Justin Schoen, MD, Psychiatry, Marshfield Clinic</b> Laird Center for Medical Research: <b>Robert F. Froehlke Auditorium*</b></p>		
<p><b>[B] Robotics in Healthcare - Jennifer Ewert, RN, General/GYN/Urology Team Leader and Kathryn Prust, CST, Robotic Coordinator, Marshfield Clinic and Marshfield Medical Center</b> Marshfield Medical Center (MMC) - Please meet by the Erdman Lobby entrance to take the shuttle bus to MMC-ER entrance. After the workshop the shuttle bus will return attendees to the Erdman Lobby. Speaker/Staff will escort group.</p>		
<p><b>[C] Evaluation and Hands-On Splinting of Common Sports Injuries - Laurel Rudolph, MD, Orthopedics and Sports Medicine Team, Marshfield Clinic</b> Laird Center for Medical Research: Laird 50 - Please meet by the stairwell outside of the auditorium. Staff will escort group.</p>		
<p><b>[D] Robotic Medical Simulators - Suzanne Moertl, RN, MSN, Patient Simulation Educator; Douglas Story II, Simulation Technician; and Bob Haight, Instructor/Trainer; Corporate Education, Marshfield Clinic</b> Main Building: Simulation Lab - Please meet near the skywalk outside the auditorium. Staff will escort group.</p>		
<p><b>[E] Morgue Tour <b>WARNING: graphic images/content</b> - Christopher Cold, MD, Clinical Assistant Professor, Department of Pathology and Laboratory Medicine, University of Wisconsin School of Medicine and Public Health and Deepa Bassi, MD, Lab-Pathology, Marshfield Clinic</b> Lawton Center: Conference Room A/B and Morgue - Please meet near the skywalk outside the auditorium. Staff/Speaker will escort group.</p>		
<p><b>[F] Pharmacy Experience - Jonathin Flury, Jared Prichard, Zachary Wallace, and Ian Kane, Pharmacy Residents, Marshfield Clinic</b> Medical Library: Bromberg Room - Please meet outside the auditorium. Staff will escort group.</p>		
<p><b>[G] School of Radiography - Sheila Gregorich, RTR, Program Faculty, School of Radiography and Kristin Berken, Jane Names, Samantha Taylor, Senior Radiography Students, Marshfield Clinic</b> Laird Center for Medical Research: Laird 52 - Please meet by the stairwell outside of the auditorium. Staff will escort group.</p>		
11:00 a.m.	<b>Lunch</b> Laird Center for Medical Research: Erdman Lobby	
11:45 a.m.	<b>Population-Based Research in the Health Care Setting: Improving Clinical Knowledge, Care Delivery, and the Health of our Communities - Robert Greenlee, PhD, MPH, Senior Research Scientist, Center for Clinical Epidemiology and Population Health, Marshfield Clinic Research Institute</b> Laird Center for Medical Research: Robert F. Froehlke Auditorium	
12:30 p.m.	<b>Break, move to workshops</b>	
12:45 p.m.	<b>Workshops: H, I, J, K, L, M, N</b>	
<p><b>[H] Healthcare: There's an App for That! – Christopher Meyer, Director of Virtual Health, Marshfield Clinic</b> Laird Center for Medical Research: <b>Robert F. Froehlke Auditorium*</b></p>		

<p><b>[I] <i>Robotics in Healthcare</i> - Jennifer Ewert, RN, General/GYN/Urology Team Leader and Kathryn Prust, Robotic Coordinator, Marshfield Clinic and Marshfield Medical Center</b> Marshfield Medical Center (MMC) - Please meet by the Erdman Lobby entrance to take the shuttle bus to MMC-ER entrance. After the workshop the shuttle bus will return attendees to the Erdman Lobby. Speaker/Staff will escort group.</p>	
<p><b>[J] <i>Evaluation and Hands-On Splinting of Common Sports Injuries</i> - Laurel Rudolph, MD and Sports Medicine Team, Marshfield Clinic</b> Laird Center for Medical Research: Laird 50 - Please meet by the stairwell outside of the auditorium. Staff will escort group.</p>	
<p><b>[K] <i>Robotic Medical Simulators</i> - Suzanne Moertl, RN, MSN, Patient Simulation Educator; Douglas Story II, Simulation Technician; and Bob Haight, Instructor/Trainer; Corporate Education, Marshfield Clinic</b> Main Building: Simulation Lab - Please meet near the skywalk outside the auditorium. Staff will escort group.</p>	
<p><b>[L] <i>Morgue Tour</i> <b>WARNING: graphic images/content</b> - Christopher Cold, MD, Clinical Assistant Professor, Department of Pathology and Laboratory Medicine, University of Wisconsin School of Medicine and Public Health and Deepa Bassi, MD, Lab-Pathology, Marshfield Clinic</b> Lawton Center: Conference Room A/B and Morgue - Please meet near the skywalk outside the auditorium. Staff/Speaker will escort group.</p>	
<p><b>[M] <i>Pharmacy Experience</i> - Jonathin Flury, Jared Prichard, Zachary Wallace, and Ian Kane, Pharmacy Residents, Marshfield Clinic</b> Medical Library: Bromberg Room – Please meet outside the auditorium. Staff will escort group.</p>	
<p><b>[N] <i>School of Radiography</i> - Sheila Gregorich, RTR, Program Faculty, School of Radiography and Kristin Berken, Jane Names, Samantha Taylor, Senior Radiography Students, Marshfield Clinic</b> Laird Center for Medical Research: Laird 52 - Please meet by the stairwell outside of the auditorium. Staff will escort group.</p>	
<b>1:30 p.m.</b>	<b>Break, move to workshops</b>
<b>1:45 p.m.</b>	<b>Workshops: O, P, Q, R, S, T, U</b>
<p><b>[O] <i>Climate Change</i> – Bruce Krawisz, MD, Emeritus Physician, Marshfield Clinic</b> Laird Center for Medical Research: <b>Robert F. Froehlke Auditorium*</b></p>	
<p><b>[P] <i>Robotics in Healthcare</i> - Jennifer Ewert, RN, General/GYN/Urology Team Leader and Kathryn Prust, Robotic Coordinator, Marshfield Clinic and Marshfield Medical Center</b> Marshfield Medical Center (MMC) - Please meet by the Erdman Lobby entrance to take the shuttle bus to MMC-ER entrance. After the workshop the shuttle bus will return attendees to the Erdman Lobby. Speaker/Staff will escort group.</p>	
<p><b>[Q] <i>Evaluation and Hands-On Splinting of Common Sports Injuries</i> - Laurel Rudolph, MD and Sports Medicine Team, Marshfield Clinic</b> Laird Center for Medical Research: Laird 50 - Please meet by the stairwell outside of the auditorium. Staff will escort group.</p>	
<p><b>[R] <i>Robotic Medical Simulators</i> - Suzanne Moertl, RN, MSN, Patient Simulation Educator; Douglas Story II, Simulation Technician; and Bob Haight, Instructor/Trainer; Corporate Education, Marshfield Clinic</b> Main Building: Simulation Lab - Please meet near the skywalk outside the auditorium. Staff will escort group.</p>	
<p><b>[S] <i>Morgue Tour</i> <b>WARNING: graphic images/content</b> - Christopher Cold, MD, Clinical Assistant Professor, Department of Pathology and Laboratory Medicine, University of Wisconsin School of Medicine and Public Health and Dr. Deepa Bassi, MD, Lab-Pathology, Marshfield Clinic</b> Lawton Center: Conference Room A/B and Morgue - Please meet near the skywalk outside the auditorium. Staff/Speaker will escort group.</p>	
<p><b>[T] <i>Pharmacy Experience</i> - Jonathin Flury, Pharm D; Jared Prichard, Pharm D; Zachary Wallace, Pharm D; and Ian Kane, Pharm D; Pharmacy Residents, Marshfield Clinic</b> Medical Library: Bromberg Room – Please meet outside the auditorium. Staff will escort group.</p>	
<p><b>[U] <i>School of Radiography</i> - Sheila Gregorich, RTR, Program Faculty, School of Radiography and Kristin Berken, Jane Names, Samantha Taylor, Senior Radiography Students, Marshfield Clinic</b> Laird Center for Medical Research: Laird 52 - Please meet by the stairwell outside of the auditorium. Staff will escort group.</p>	
<b>2:30 p.m.</b>	<b>Break, move to Laird Center for Medical Research: Robert F. Froehlke Auditorium for closing keynote speaker</b>
<b>2:45 p.m.</b>	<b><i>Your Fuzzy Future</i> - Peggy Peissig, PhD, MBA, Director of Biomedical Informatics Research Center, Marshfield Clinic Research Institute</b> Laird Center for Medical Research: Robert F. Froehlke Auditorium
<b>3:45 p.m.</b>	<b>Conference concludes. Thank you for coming!</b>

WORKSHOP(S)	SESSION DESCRIPTIONS (ALPHABETICAL ORDER)
A	<p><b><i>Psychiatry, the Ebb and Flow of the Ever Changing Mind! Whoa!</i></b>  <b>Presented by: Justin Schoen, MD, Psychiatry, Marshfield Clinic</b>            Psychiatry has continued to evolve and a growing number of means to relieve symptomatology have been developing. New methods of psychiatric treatment include a variety of neurostimulation techniques such as electroconvulsive therapy, deep brain stimulation, vagal nerve stimulation, and transcranial magnetic stimulation, as well as evolving utilization of smart technology. With each treatment comes a number of risks and benefits. Learn more about each new therapeutic option, as technology is changing the way we view and treat mental illness.</p>
B, I, P	<p><b><i>Robotics in Healthcare</i></b>  <b>Presented by: Jennifer Ewert, RN, General/GYN/Urology Team Leader and Kathryn Prust, Robotic Coordinator, Marshfield Clinic and Marshfield Medical Center</b>            The daVinci® Xi Surgical System is an advanced robotic system designed to expand surgeon's capabilities to provide minimally invasive options for hysterectomy, prostatectomy, nephrectomy, cystectomy, adrenalectomy, thoracotomy, cholecystectomy, hernia repair, bowel resection, bariatric surgery and more. This daVinci system features a magnified 3D high-definition vision system and tiny wristed instruments that bend and rotate far greater than the human wrist, yet the surgeon is 100% in control of the system. All this coupled with FireFly (Fluorescence Imaging) capabilities make this system a state of the art option for extremely precise surgery. Interact with this cutting edge technology to get a glimpse of a surgeon's role.  <b>Maximum Capacity: 20</b></p>
C, J, Q	<p><b><i>Evaluation and Hands-On Splinting of Common Sports Injuries</i></b>  <b>Presented by : Laurel Rudolph, MD and Sports Medicine Team, Marshfield Clinic</b>            More than 38 million children and adolescents participate in organized sports in the United States each year. Even more participate in informal recreational activities. Although sports participation provides numerous physical and social benefits, it also has a downside; the risk of sports-related injuries. Meet some of the Sports Medicine team members, learn what the most common injuries are and try out your splinting skills.  <b>Maximum Capacity: 20</b></p>
D, K, R	<p><b><i>Robotic Medical Simulators</i></b>  <b>Presented by: Suzanne Moertl, RN, MSN, Patient Simulation Educator; Douglas Story II, Simulation Technician; and Bob Haight, Instructor/Trainer; Corporate Education, Marshfield Clinic</b>            The Simulation Lab will display various types of simulation trainers. Learners will have a hands-on learning experience with high fidelity manikins, high tech simulators, and animal parts. These simulators assist providers with learning patient care skills and now you can learn more about these tools. Please join us for some hands-on training experiences!  <b>Maximum Capacity: 25</b></p>
E, L, S	<p><b><i>Morgue Tour</i></b> <b>WARNING: graphic images/content!</b>  <b>Presented by: Christopher Cold, MD, Clinical Assistant Professor, Department of Pathology and Laboratory Medicine, University of Wisconsin School of Medicine and Public Health and Deepa Bassi, MD, Lab-Pathology, Marshfield Clinic</b>            What types of deaths must be reported to the coroner in Wisconsin? What is the purpose of an autopsy and when are autopsies least likely to provide useful information? Find out the answers to these questions plus the history of autopsies, procedures and various findings, not to mention, a tour of the actual Ministry St. Joseph's morgue.  <b>Maximum Capacity: 20</b></p>
F, M, T	<p><b><i>Pharmacy Experience</i></b>  <b>Presented by: Jonathin Flury, Pharm D; Jared Prichard, Pharm D; Zachary Wallace, Pharm D; and Ian Kane, Pharm D Pharmacy Residents, Marshfield Clinic</b>            Wondering what happens in pharmacy? This session will provide background on the pharmacy profession. You will also observe the steps involved in preparing a prescription or medication order, including the steps the pharmacist takes in verifying the accuracy (e.g., dose, drug interactions). Curious about compounding or preparing medications? This is your opportunity to observe a pharmacist compound a prescription product and prepare a medication for administration.  <b>Maximum Capacity: 10</b></p>

G, N, U	<p><b>School of Radiography</b>  <b>Presented by: Sheila Gregorich, R.T.R., Program Faculty; and Kristin Berken, Jane Names, Samantha Taylor, Senior Radiography Students</b></p> <p>Imaging is the most important collection of diagnostic tools in medicine and we will show you some of what we do here at the school and give you a glimpse of what some of that technology can produce!</p> <p><b>Maximum Capacity: 10</b></p>
H	<p><b>Healthcare: There's an App for That!</b>  <b>Presented by: Christopher Meyer, Director of Virtual Health, Marshfield Clinic</b></p> <p>Technology has changed how we do everything from communicating with family members to watching our favorite TV shows. Healthcare is quickly adapting to meet the demands of today's patients who demand quicker and easier access to health services. This session will cover how MCHS is integrating technology into healthcare delivery and what future technology will mean to healthcare. We will examine, for example, how one day apps may be prescribed by your doctor and how games can be used to educate patients. We'll also examine some exciting new apps available to download during the presentation that, while a novelty today, show promise for healthcare in the future.</p>
O	<p><b>Climate Change</b>  <b>Presented by: Bruce Krawisz, MD, Emeritus Physician, Marshfield Clinic</b></p> <p>When humans add greenhouse gases to the atmosphere (carbon dioxide, methane, nitrous oxide), heat is retained in the lower atmosphere and the climate becomes warmer. The Defense Department describes climate change as a threat multiplier meaning that global warming acts indirectly to make other problems worse. Because ocean waters are warmer, tropical storms tend to be more severe. Because heat causes increased evaporation of water, rainstorms and floods are more frequent. Because ice melts in Greenland and the Antarctic, sea level is rising in Miami, Boston, and New York. The main focus will be how global warming affects tropical storms, coral reefs, sea level, and ocean acidity and what these effects might mean for humans.</p>

### General Information

This conference offers an array of lectures, demonstrations, hands-on workshops and tours, which are designed to inspire high school students to pursue a career in the science field and encourage high school science teachers to enhance their classroom environment by incorporating the most relevant aspects of healthcare science and technology.

In appreciation for his dedication and service to Marshfield Clinic, this conference was renamed in 1999 to the Fritz Wenzel Science Conference. Fritz Wenzel served as executive director of Marshfield Clinic from 1976 to 1993, and was instrumental in the growth and success of this organization.



### **Here's what 2017 participants had to say...**

*"Very glad to have this experience. The conference makes me very excited for my future and the future of the medical field."*

*"I LOVED this conference! It was absolutely educational, interesting and enjoyable. There was so much knowledge; I would have loved to stay here and learn for months from the people who spoke."*

*"So valuable and such a thrilling experience. The opportunities which have set my mind to work here. Takes my breath away!"*

### Location

The conference will be held at the Robert F. Froehle Auditorium, Laird Center for Medical Research, Marshfield Clinic, 1000 North Oak Ave., Marshfield, WI.

## **Registration**

Thanks to the generous support of the Wenzel Family and Marshfield Clinic, registration fees have been reduced to \$10 for students and \$25 for teachers.

Advanced registration is required. **Early registration ends Friday, February 2, 2018.** Registrations received after this date increase by \$25. You will receive confirmation within two (2) weeks of registering. The registration fee includes continental breakfast, lunch, breaks, and handout materials.

Students must be high school aged or older. All students must attend with a registered teacher chaperone, with a max of four students per chaperone. **Also, in an effort to offer each participant at least one (1) hands-on/tour workshop, each participant must register to attend at least one (1) workshop held in the Robert F. Froehlke Auditorium for the day.** Registration is first come, first serve. Seating is limited.



Marshfield Clinic complies with the Americans with Disabilities Act. If you desire special accommodations, please advise us when you register. All requests are kept confidential.

## ***Two Easy Ways to Register***

- **Online here:** <https://www.surveymonkey.com/r/GKQKPB9>
- Contact Tanya Esser at [esser.tanya@marshfieldclinic.org](mailto:esser.tanya@marshfieldclinic.org) or call 715-389-3776 or 1-866-894-3622, ext. 9-3776
  - *When emailing/calling to register please include: participant's names, school, school address, teacher's phone number and email address, preferred workshops and any special dietary requirements.*

## ***Awaiting Approval to Attend?***

If your registration is dependent upon approval from your school, don't hesitate to register now. You may cancel your registration without penalty until Friday, February 2, 2018.

## ***Cancellation Policy***

For cancellations received February 3 – 16, 2018 your registration fee less a \$10 administrative fee will be given. No refunds will be given after Friday, February 16th. To cancel, call 1-866-894-3622, ext. 9-3776. Marshfield Clinic reserves the right to cancel the conference due to insufficient enrollment or inclement weather. Registration fees will be refunded in full for these types of cancellations.

## **Scholarship Information**

In addition to reduced registration fees, there are also a very limited number of scholarships available for students and teachers. For more information and to request a submission form, contact Bobbie Knecht at [knecht.bobbie@marshfieldclinic.org](mailto:knecht.bobbie@marshfieldclinic.org), 715-389-3691 or 1-866-894-3622, ext. 9-3691. The scholarship application deadline is January 12, 2018.

## **Accommodations**

If desired, it is the participant's responsibility to arrange for lodging. For your convenience, we have listed the Marshfield area accommodations, all hotels are within a 2.5 mile radius from the conference location.

Baymont Inn & Suites  
2107 N. Central Ave.  
Marshfield, WI 54449  
715.384.5240

[Website](#)

Holiday Inn  
750 S. Central Ave.  
Marshfield, WI 54449  
715.486.1500

[Website](#)

Hotel Marshfield  
2700 S. Central Ave.  
Marshfield, WI 54449  
715.387.2700

[Website](#)

Quality Inn  
114 E. Upham St.  
Marshfield, WI 54449  
715.387.8691

[Website](#)

Woodfield Inn & Suites  
1651 N. Central Ave.  
Marshfield, WI 54449  
715.387.2233

[Website](#)

## **Handouts**

Handouts will be provided to registered participants at the conference.



**Attire**

Casual attire is appropriate for this conference. Since meeting room temperatures and personal comfort levels vary, it is recommended that you bring a sweater or jacket to the educational activities. Coat closet available.

**Electronic Devices**

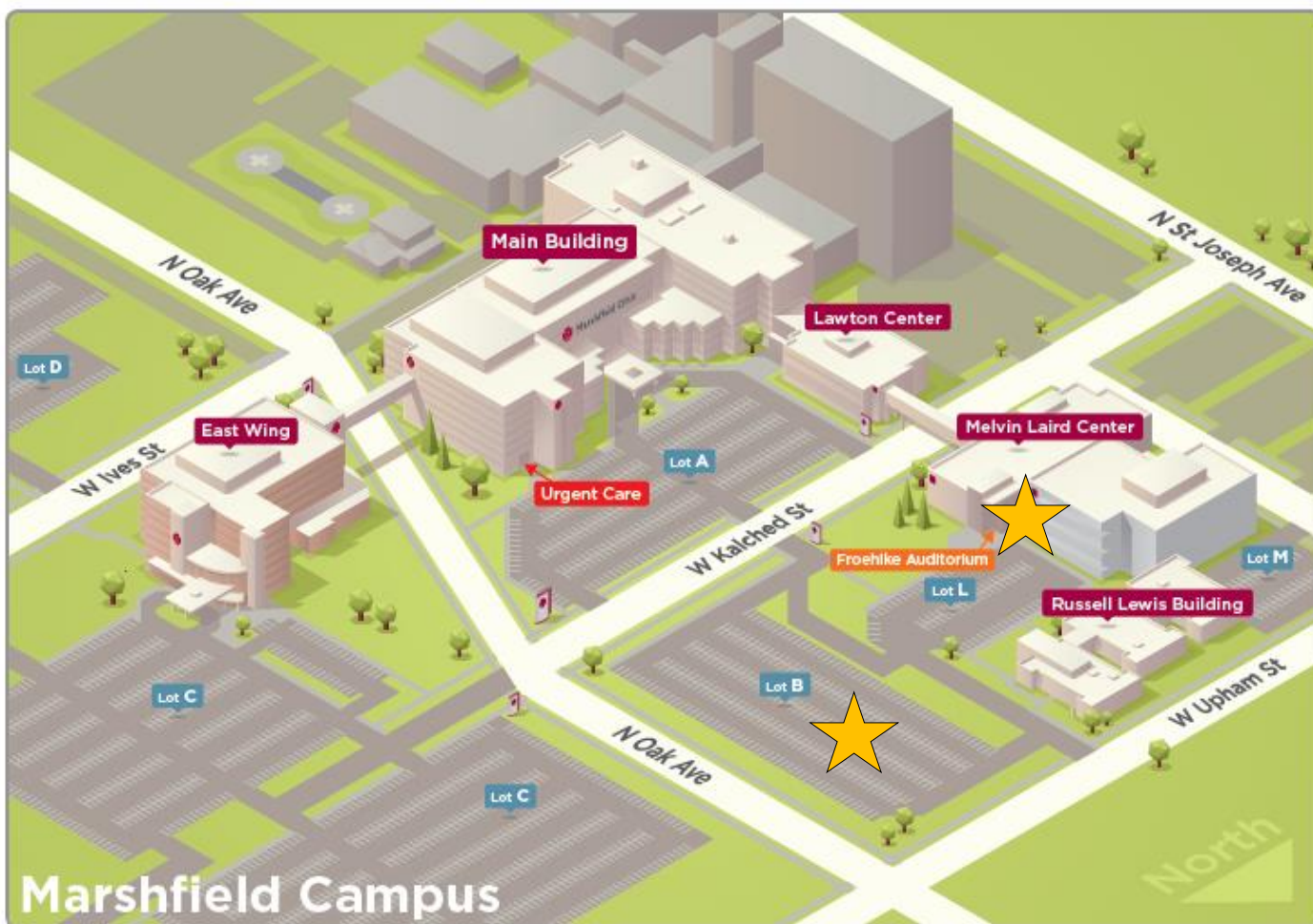
As a courtesy to conference attendees, we request that all electronic devices be silenced during educational sessions. If you must use your electronic device, we request that you use the vibration ringing mode and step outside the meeting room so you do not disturb other attendees.

**Parking**

Parking lots L and B are designated for conference participants. Please see the below parking map.

**Further Information**

Requests for further information should be directed to Tanya Esser, Marshfield Clinic CME at [esser.tanya@marshfieldclinic.org](mailto:esser.tanya@marshfieldclinic.org), 715-389-3776 or 1-866-894-3622, ext. 9-3776.



1000 North Oak Avenue, Marshfield, WI 54449  
Phone: 715-387-5511 • 1-800-782-8581  
Fax: 715-387-5240

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16764-000