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President's Message

Dear Colleagues,

We have seen many changes this past year and since our last newsletter. Although in North Dakota we are still dealing with COVID patients, we are also facing issues with changes in our jobs, and future of Emergency Medicine.

Please know that your hard work and dedication is not unnoticed. North Dakota ACEP is here for you. If I can be of any assistance and you have an issue you think the chapter should address, please don't hesitate to [ask](#).

Thank you for your dedication to emergency medicine!

Atypical Preeclampsia-Eclampsia

Sarah McCullough, MD, FACEP

Though there is no formal definition, "atypical" generally refers to presentation <20 weeks gestation or >48-hours after delivery. It includes cases with minimal or no proteinuria, but with hypertension; or proteinuria with no or marginal hypertension; or without proteinuria or hypertension. Classically we think of eclampsia as a disease which develops gradually with initial effects on the kidneys and then progressing to the cerebrum.

The effects may initially manifest in any organ systems. Elevation in blood pressure, increased liver enzymes, fetal distress, vision changes, and headache all may be initial signs of preeclampsia and management should be accordingly. Vision changes may include flashing lights, auras, light sensitivity, and blurred vision. Cerebral imaging is indicated for patients with focal neurologic signs and altered consciousness. Differential diagnosis includes CVA (hemorrhagic and ischemic causes), hypertensive encephalopathy, seizure disorders, brain tumor, metastatic gestational trophoblastic disease, metabolic disease, reversible posterior leukoencephalopathy syndrome, thrombophilia, thrombotic thrombocytopenia purpura, postdural puncture syndrome, and cerebral vasculitis.

The bottom line is that screening for preeclampsia by checking for proteinuria and hypertension is just that, a screen that does not capture all cases. So, like myself, you just might be presented with a pregnant seizing patient that has been seen on multiple occasions for headache, or vision changes, or other persistent symptoms without hypertension or proteinuria OR you may see a seizing pregnant patient that had no signs or symptoms of preeclampsia. Start the magnesium!

Reference

Albayrak M, Özdemir I, Demiraran Y, Dikici S. Atypical preeclampsia, and eclampsia: report of four cases and review of the literature. J Turkish-German Gynecol Assoc 2010; 11:115-7

**2020-2021 Deemed a Success for University of North
Dakota Department of Emergency Medicine
Jon Solberg, MD, FACEP**

North Dakota ACEP Members played an integral role in the many successes of UND's Department of Emergency Medicine during the 2020-2021 academic year:

- 45 fourth year medical students rotated through ND emergency departments.
- Over 7,000 hours of teaching time were donated by North Dakota emergency physicians.
- Seven students matched into Emergency Medicine Residency
 - Alexander Buchholz, Mayo Clinic, Rochester MN (See Alexander's article below)
 - Michael Cerjance, LSU, Baton Rouge, LA
 - Heather Kaluzniak, Regions, St Paul MN
 - Christian Kulish, University of Nebraska
 - Sarah Lewis, Hennepin County, Minneapolis MN
 - Connor Schweitzer, Prisma Health, Columbia SC
 - Lane Vendsel, University of Kansas, Kansas City KS

A previously fragmented curriculum was standardized across the state as "Introduction to Emergency Medicine":

- All 4th year EM electives now use the same learning objectives at each site.
- Flipped EM Classroom website delivers standardized online lectures.
- Final Test online helps objectively assign grades.

Six extremely dedicated Clerkship Directors led weekly Zoom meetings with medical students:

- Dr. Virginia Keaveny, Minot

- Dr. Paul German, Grand Forks
- Dr. Andrew Bakke, Fargo
- Dr. Josh Honeyman, Fargo
- Dr. Stuart Malafa, Bismarck
- Dr. Justin Reisenauer, Bismarck
- Dr. David Collins, Ortonville MN, elected to North Dakota Chapter of Alpha Omega Alpha Honor Society.

There are many things to look forward to in the 2021-2022 academic year:

- Several research projects are under way and will hopefully be published in a peer reviewed journal.
- North Dakota ACEP Chapter members voted to partner with UND Dept of EM in the monthly Journal Club/Grand Rounds. [Contact](#) President KJ Temple to lead a discussion.
- New Elective: “EMS Medical Direction” now available at the SW Campus (Bismarck). Students will earn FEMA certificates in EMS medical direction and participate in a field experience with police and fire departments, central dispatch, and EMS crews in Bismarck.
- Partnership with ND SIM Truck to develop two “procedure nights” for UND DEM Faculty to teach medical students and brush up on clinical skills like intubations, central lines, chest tubes. Log these your procedure log.
- Integration of a new online simulation software called Full-Code will allow all 4th year students to practice caring for critically ill patients regardless of their in-person clinical experience.
- UND DEM Faculty annual meetings will now be held in conjunction with ND Trauma Conference dates, in person when able.
- Rural Emergency Medicine/Point of Care Ultrasound: Jamestown ND and Ortonville MN to explore possibility of developing this elective (Dr. Steve English and Dr. David Collins).
- Wilderness Medicine: a proposal has been put forth to start an Advanced Wilderness Life Support course at UND.

Thanks for all the support given by North Dakota ACEP Chapter Members, and thanks for making a difference in the next generation of physicians. Please contact [Jodi Rathjen](#) at the SW Campus with questions of if you desire a faculty appointment or more information.

Congratulations!

2021 North Dakota ACEP Chapter Scholarship Award Recipient



Alex Buchholz is a 4th-year medical student at University of North Dakota School of Medicine and Health Sciences and will start EM residency at Mayo Clinic this summer. Alex grew up in Minot, North Dakota, and received his Bachelor of Arts in Biology and Chemistry from Minot State University (MSU) in 2017. At MSU, he served two terms as President of Student Government, three terms as President of the Honor Society, and helped reestablish the Residence Hall Association. During his time at UND SMHS, he served as Class President, Adopt-A-Premed Program Coordinator, and Program Director of health screenings at Minot's Men's Winter Refuge. He was recently appointed to SAEM's Ethics Committee and Wellness committee. After EM residency, Alex plans to complete a fellowship in Palliative Medicine. His hobbies and interests outside of medicine include tennis, golf, cycling, boxing, running, and anything related to Lord of the Rings, Star Wars, or Marvel comics.

Welcome New Members!

A special welcome to the new members of the North Dakota Chapter and to those that renewed their membership with the chapter. We are excited to have you.

Brandon Gosch
Christopher Frantz, MD
Jeremy Forrest Brudevold, DO

You may wonder if you should get involved with North Dakota ACEP or EMRA or at the national level? We encourage you to get involved!

If you are unsure about how to get involved, feel free to contact the chapter [directly](#).

Other Chapter Events

The DC ACEP Chapter has extended an invitation to all ACEP State Chapters to attend the EM Workforce Town Hall that they will host.

Tuesday, June 8th
6:00PM EST

The Panelist are Dr. Aisha Terry and Mr. Salsberg the Primary Investigator of the EM Workforce Study. Read more details [here](#). See the flyer [here](#). Register for the Town Hall [here](#).

Any questions for the panelist should be submitted via [email](#) to the DC ACEP Chapter by Monday, June 1st @ 5:00PM EST.

FROM NATIONAL ACEP



Featured News

EM Physician Workforce of the Future

- [The Workforce Solutions infographic outlines ACEP's next steps.](#) (May 5, 2021)
- [Workforce Considerations: ACEP's Commitment to You and Emergency Medicine](#) (ACEP Now - April 21, 2021)

[National EMS Week is here!](#) ACEP is proud to partner with NAEMT to feature National EMS Week as a year-round initiative to create significantly greater visibility of EMS among health professions and communities. ACEP thanks the [generous organizations](#) that are supporting this year's initiatives.

In the May 19th edition of **Capital (30) Minutes**, ACEP's advocacy team provides a legislative update on new legislation and recent hearings, a regulatory update on Buprenorphine practice guidelines and Surprise Medical Billing, and an advocacy update on Scope of Practice coalition and LAC in July. [Watch the recap.](#)

[ACEP's COVID-19 ED Management Tool](#) was updated this week and is now available on the MDCalc website and in their app. (May 14, 2021)

[ACEP Responds to Regulation that Proposes Modifications to HIPAA](#) (Regs & Eggs Blog - May 14, 2021)

Problem Solving: It's What We Do. In her [new post on ACEP Lately](#), Executive Director Sue Sedory provides **updates on EM workforce, sepsis, ultrasound, advocacy and more.** (April 30, 2021)

[Early Outcomes of Bivalirudin Therapy for Thrombotic Thrombocytopenia and Cerebral Venous Sinus Thrombosis after Ad26.COV2.S Vaccination: A Case Report](#) (*Annals of EM* - April 28, 2021)

[Physician on Trial: What to Expect](#) (ACEP Now - April 23, 2021)

[AAP, ACEP and ENA Call For Improving Emergency Care for Children in Joint Policy Statement](#) (ACEP Newsroom - April 21, 2021)

New/Revised Policies

ACEP's new and revised policies allow you to bill more for your bottom line, makes sure you are entitled to fair and equitable compensation and are provided contractual transparency.

- [Compensation Arrangements for Emergency Physicians](#) - Revised April 2021
 - [Emergency Physician Compensation Transparency](#) - Approved October 2020
 - [Emergency Physician Contractual Relationships](#) - Revised April 2021
 - [Emergency Physician Rights and Responsibilities](#) - Revised April 2021
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Upcoming ACEP Events and Deadlines

May 17-21: [EMS Week](#)

May 25: [How to Get Started: Introduction to Healthcare Quality Improvement](#)

June 8: [988-The Future of Suicide Prevention and Crisis Care](#)

July 25-27: [Leadership & Advocacy Conference](#) (Washington, DC) - Register Today

October 25-28: [ACEP21](#) (Boston, MA) - Book your hotel

ACEP Member Benefits

Career Resources: The job market is tumultuous right now. Whether you're actively looking for a position or just want to be a better advocate for yourself with your current employer, ACEP's resources can help. Check out the ACEP [Career Center](#) for information on vetted EM job opportunities, contracts, compensation reports, policy statements and more!

ACEP Member Advantage: Whether on shift or at home, your ACEP Membership provides [perks and discounts](#) from a variety of businesses wanting to support you.

Wellness & Assistance Program: Did you know your ACEP membership comes with three **free** counseling or coaching sessions available through phone, text or online chat? And for a small extra fee, you can add on **financial and/or legal assistance**. [Learn more about this free member benefit.](#)

Clinical Tools:

- ACEP's [Point-of-Care tools](#) are transforming care at the bedside.
- Feel confident in your ultrasound ability with the re-designed, easy-to-use [Sonoguide](#).

Latest [Podcasts](#):

- **Annals of EM:** [Hypertension in the ED, ultrasound for COVID, Prediction models for sepsis, and chest pain decision tools in the ED.](#)
 - **ACEP Frontline:** [House Call - Brining EM to the Home with Remote Symptom Monitoring + Medical Clearance- Psych And EM On The Same Page?](#)
 - **Critical Decisions in EM:** Drs. Danya Khoujah and Wendy Chang take on [the great outdoors](#) and discuss the various forms of high-altitude illness + presentation and management of several tick- and mosquito-borne illnesses, such as Lyme disease and West Nile virus, which often go overlooked.
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For more information - www.ndlsf.org
email us: info@ndlsf.org

From the Emergency Medicine Foundation

- Bidding is open for [The World of Travel and Art EMF Online Auction](#). The proceeds will benefit the EM Wellness Grant, and FUJIFILM Sonosite will match any donations and bids.
- [EMF has a new Health Policy Scholar Grant opportunity!](#) Apply by June 11.

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