



Recap – September 3, 2019 Luncheon Mtg
Dr. Mark Traill M.D.
“The Disruptive Impact of AI on Medical Imaging”

Meeting started at 12:15pm by VP Ben Eavey with the Pledge
Lion Shawn Eyestone said the Prayer
Broke for lunch
Reconvened at 12:48pm (20 members & 3 guests)

Announcements:

1. Bowling Report given by Lion Scott Brady. Bowling will be starting NEXT Monday, Sept 9 at Northfield Lanes. Come at 4:45 pm, bowl three games and end approx. at 6:00-6:15, dinner to follow. Last year there was a charge of \$160 for 15 weeks with bowling awards at the end of the season. The cost has been dropped to \$80-100 for the 15 weeks of bowling with no awards. Substitutes are always needed as well-pay as you go. Contact Scott Brady by Wednesday, Sept 4, 2019. scottbrady2120@gmail.com or 616-915-9614
2. This Friday, Sept 6 is the social golf outing at Wallinwood, followed by a picnic dinner at Gary and Cheryl Anderson’s house. . Just reminding you the golf is 4:30pm & dinner at 6:30pm You should have rsvp’d already to each.
3. 100th Anniversary Celebration is at 20 Monroe on Nov 6. Big push for sponsors and if you are sponsoring a table, bring in non-Lions to give them the exposure as to what we do. It will be a great evening. Dinner will be floor seating and the concert which is a less expensive ticket, seating is in the balcony.
4. Crafting Vision is October 30 at the Creston Brewery. \$50 (individual) up to \$5,000 (sponsor) per ticket. More information to follow
5. Eyeglass Recycling is on HOLD! We lost our lease. After 10 years of renting from Jim Kaiser, the business moved to Florida and we lost our warehouse. Inventory and all the equipment is being stored at Alliance Beverage until we find a new space. The eye mission trip to Jamaica in two weeks is still a go b/c we sent the glasses months ago but the trip in February is questionable. More information to come. **NO MEETING at night on the last Tuesday of the month** until further notice.

6. Weekly Programs, Mark Oberlin, stated the committee needs ideas and a contact for our weekly meeting speaker. There are already several planned speakers but we still need a few more. Contact Mark Oberlin with ideas.
7. Higgins Lake Leadership Institute is November 8-10, 2019. Three days of leadership training. The training sessions are not geared only toward Lions "stuff" but information that can be used in your personal life. There are three levels, Institute, Masters & PhD. The GR Club will supplement the \$225 fee.
8. Anne Baird was unable to be at the annual meeting this past June, so she was presented her Henry Voet plaque for being last year's recipient and Pam Mullen, this year's recipient, has the trophy for a year.
9. Guests at the meeting: Karen Streitl (Lion Gene Gober's daughter), Chelsea and Dr. Mark Traill
10. Several Happy Bucks: vacations and weddings

Program:

Shelley Irwin Introduced our guest speaker Dr. Mark Traill with Metro Health. Dr.



Dr. Traill specializes in interpretation of mammograms and breast ultrasound, breast biopsy and breast and body MRI. His experience includes the use of artificial intelligence applications for breast cancer detection on mammograms, which is an advancement increasingly seen as a way to improve diagnostic accuracy.

Dr. Traill was in private practice in the MRI division, which was a natural gravitation to mammography. A little history about

Mammography; 2 pictures and a radiologist would read the x-ray. The photos were terrible to detect/see cancer and may not detect it for another year or two. It has gotten better but there is still a lot of room for improvement. This needed improvement is for ALL cancer imagining. AI is a computer based algorithm program. They took 6,000 cases and taught the program to identify an image of cancer. The radiologist would circle the questionable or cancer area and teach the machine what to look for on the image. The program may not know what it is looking at but it tells the radiologist to look at a particular area. All AI images are

double read, by the doctor and the algorithm. By catching the cancer early, it saves the patient on financial costs, lost savings to pay for procedures/medicines along with personal impact. An average error rate of a radiologist is 3 %, so out of 100 patients, there could be 3 misread. If you add up 3/day, times how many doctors, times # of days = a lot of people that were misread. The hope is to eventually integrate the AI with family history, health issues etc which could then predict your changes of getting cancer. The “Normal” image (there is nothing there), then move to where there are cancer cells detected on the image, there is a lot of “gray” area in between these two images. This is where the AI can better detect than the doctor reading it. AI is typically smarter than the doctor and the radiologists are not pleased that a machine can intimidate their expertise. However, the machine is probably doing their job better. Remember AI machines don’t get sick or distracted when reading the images. There was a contest of 6000 patients, the algorithm program outperformed the 10 doctors of which 3 were radiologists.

Dr Traill works out of Metro and currently Metro Hospital is the only hospital with AI because Dr. Traill has a personal relationship with this ICAD machine that is FDA approved. These algorithm programs are happening so fast. The FDA is getting swamped and can’t keep up with the various other companies with AI software.

The message today was to know what AI is, to embrace it and to look for it b/c it is going to have a huge impact on how things will be done in the future.

Meeting adjourned at 1:30

Respectfully Submitted,
Lion Cheryl Anderson
GR Lions Club Secretary