



IMAGINE ROTARY




Club Meeting

South Jacksonville
Meets at Doubletree Hotel
1201 Riverplace Blvd
Jacksonville, FL 32207
Time: Tuesday at 12:30 PM

Events

- May 2nd
[Dr. Mathew Thomas - 3D-Printed Human Organs](#)
- May 9th
[No lunch meeting](#)
- May 16th
[Timothy Pfannenstien, Department Director, Fleet Readiness](#)
- May 23rd
[South Jacksonville Weekly Club Meeting](#)
- May 23rd
[Dan Bean, President of the Jacksonville Naval Museum](#)
- May 30th
[Memorial Day-no lunch meeting](#)

Birthdays

-  [Katie K. Rudderman](#)
May 2nd
-  [Lisamarie Winslow](#)
May 4th
-  [Julia Kalinski](#)
May 11th

Years of Service

Theme Month: Technology

This Week's Topic: The Development Of 3D-Printed Human Organs



Welcome Dr. Mathew Thomas, Director of Thoracic Surgery and Chair of Robotic Surgery at Mayo Clinic and Associate Professor of Surgery, Mayo Clinic College of Medicine

Mathew Thomas, M.B.B.S., M.D., is Director of Thoracic Surgery and Chair of Robotic Surgery at the Mayo Clinic and Associate Professor of Surgery, Mayo Clinic College of Medicine. He joined Mayo Clinic in Jacksonville, Florida in 2012 immediately after completing his cardiothoracic residency in Mayo Clinic in Rochester, Minnesota. He is a recipient of the O.T. Claggett Award in 2012 for Outstanding Resident in Thoracic Surgery in

2012.

Dr. Thomas is primarily interested in advancing minimally invasive surgeries of the chest, trachea and esophagus through innovative approaches including robotic surgery, video-assisted thoracoscopic surgery (VATS) and single incision thoracic surgery. He is also an expert in the management of complex chest wall diseases, both malignant and benign conditions such as pectus excavatum. He has directed the Chest Wall Resection and Reconstruction course at the Society of Thoracic Surgeons University — a very popular course among thoracic surgeons — for many years.

Dr. Thomas is an experienced lung transplant surgeon, having performed the first lobar (partial) lung transplant and the first lung transplant for COVID-19 related lung failure in Mayo Clinic. He has many research publications and has presented on his experience in numerous national and international conferences.

Excerpt From Jacksonville Daily Record written by Dan Macdonald:

Imagine if days before an operation, surgeons could hold in their hands the body part they were repairing. Surgeons at Mayo Clinic in Florida's Jacksonville campus are doing that with 3D modeling. The technology is used to research the development of 3D-printed human organs. By combining data from X-rays, MRIs and CT scans, 3D printers can create a model of the body part involved in the operation. The models are so detailed they can be created using different colors to represent blood vessels, nerves and tumors. This technology has been used in the Mayo system since 2016 and at the Jacksonville clinic for the past six years. The technology is being taken a step further with creation of 3D body replacement parts that can be implanted in a patient's body. Dr. Mathew Thomas, director of thoracic surgery at Mayo Clinic in Jacksonville, is working with Techfit Digital Surgery of Daytona Beach to create safe bone replacement parts for the chest. What started with one small 3D printer, Mayo in Jacksonville is opening a



[PP Hon Harvey E. Schlesinger](#)
04-17-1978
45 Years



[Casey Martin](#)
04-24-1990
34 Years



[Martha E. Barrett](#)
04-21-1998
26 Years



[Stevan M. Jones](#)
04-30-2013
11 Years



[Laure Whitmer](#)
04-25-2017
7 Years



[Jennifer Suharmadji May](#)
04-25-2017
7 Years

dedicated 3D Anatomic Modeling Unit with nine 3D printers of different sizes and the hospital is hiring its first full-time biomedical engineer. Working with Techfit Digital Surgery, Thomas has made exact replicas of the chest plate and ribs that were implanted after the chest had to be opened to perform an operation. He has performed two such operations at Mayo Clinic in Florida. "We don't have any good materials to replace the chest. So far the standard care has been using muscle flaps, which are not bony materials. Patients are left with a lax chest wall that is improperly protected," he said. "Sometimes we don't do the operations because we are worried if that we remove a part of the chest there is nothing to replace it." The creation of 3D bone is so new that the FDA had to approve a compassionate use provision for Thomas to use the materials. While it may be 10 or 15 years away, Thomas estimated, the next step is to be able to implant 3D-generated hearts, lungs and other transplantable organs.

South JAX Derby Update

6 Days Left – Don't Miss Your Chance to Register for the South JAX Derby!

Hat Contest | Chance Betting | Wine & Bourbon Pull

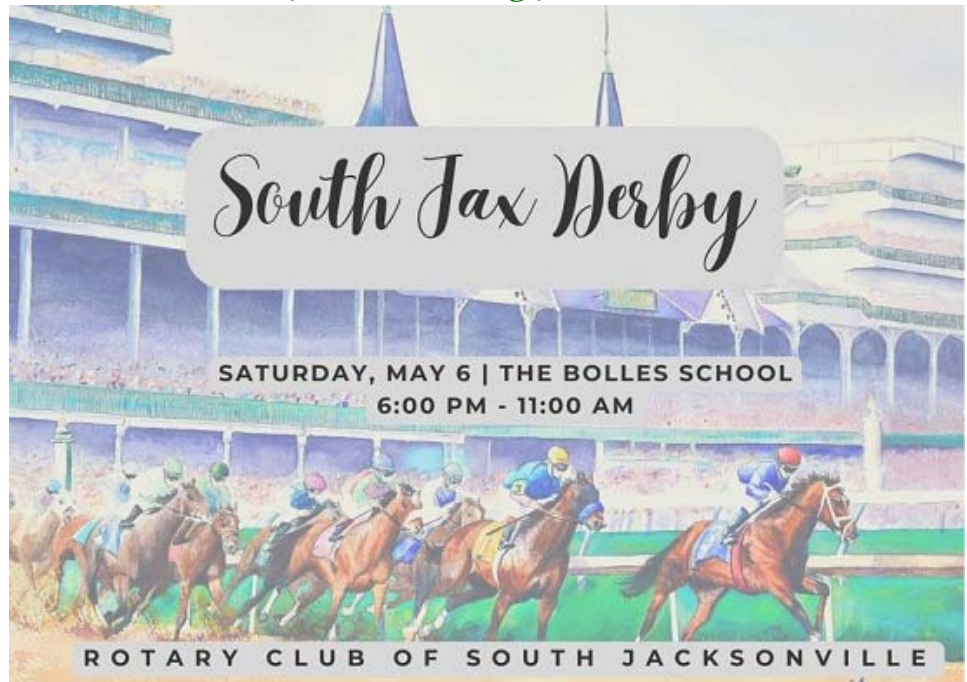
Wedding Anniversaries



[Ron Patrick](#)
May 9th



[Laure Whitmer](#)
May 18th



We hope you will consider inviting friends, family and colleagues to join us for this exciting event!

[Click Here](#) or scan the QR Code below for Guest Registration



Bourbon and Wine Pull!

Club members need to bring in a new or old but definitely unopened bottle of Bourbon and Wine to support our pull station at our Derby Fundraiser.



Bring in your bottles starting next Tuesday to participate in the historical Derby Celebration on May 6, 2023.

Club Leaders



[Charles G. Cofer](#)
President



[Leslie Miller Redd](#)
President-Elect



[Greg Anderson](#)
Secretary/Treasurer



[Lisamarie Winslow](#)
Sergeant-at-Arms



[PP Bill Langley](#)
Public Image Chair
Communications Officer
Membership Chair



[Richard Warren Dow](#)
iPast President



[PP Bea Fore](#)
Assistant Governor