

# Curriculum Vitae and Bibliography

## Mohamed Elrefaei, MD, PhD

### 1. Personal Information

### 2. Present Academic Rank and Position

<b>Director</b> - HLA Laboratory, Mayo Clinic Jacksonville Centers, Mayo Clinic, Jacksonville, Florida	01/2015 - Present
<b>Consultant</b> - Department of Laboratory Medicine and Pathology, Mayo Clinic, Jacksonville, Florida	12/2017 - Present
<b>Associate Professor of Laboratory Medicine and Pathology</b> - Mayo Clinic College of Medicine and Science	10/2021 - Present

### 3. Education

Cairo University Medical School, Cairo, Egypt - MD	1995
Drexel University School of Medicine, Philadelphia, Pennsylvania - PhD, Immunology	2001

### 4. Certification

#### Board Certifications

<b>American Board of Histocompatibility and Immunogenetics</b> Diplomate	2013 - 2022
<b>American Board of Medical Laboratory Immunology (ABMLI)</b> Diplomate	2011 - 2023

#### Other Certifications

<b>Mayo Clinic Quality Academy</b> Mayo Clinic Quality Fellow: Bronze Level Certification	2019
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### 5. Licensure

Florida	DI 44368 (Clinical Laboratory Director) (Medical)	2020 - 2022
California	DRK43 (Histocompatibility Laboratory Director) (Medical)	2020 - 2022
Georgia	15025 (Clinical Laboratory Director) (Medical)	2021 - 2022
New York	ELREFM1 (Clinical Laboratory Director) (Medical)	2021 - 2023

### 6. Honors and Awards

<b>Ruth Kirschenstein-NRSA Fellowship award</b> - NIH	2005 - 2007
<b>International Clinical Research Fellowship award</b> - NIH	2008

### 7. Previous Professional Positions and Major Appointments

<b>Scientific Staff</b> - California Department of Health, Richmond, California	2005 - 2009
<b>Staff Scientist</b> - Joint Clinical Research Centre, Kampala, Uganda	2006 - 2007
<b>Laboratory Director</b> - Puget Sound Blood Center, Seattle, Washington	07/2011 - 11/2014
<b>Senior Associate Consultant</b> - Department of Laboratory Medicine and Pathology, Mayo Clinic, Jacksonville, Florida	01/2015 - 12/2017
<b>Assistant Professor of Laboratory Medicine and Pathology</b> - Mayo Clinic College of Medicine and Science	06/2016 - 09/2021

### 8. Service

**Military****Community Memberships and Services****9. Professional Memberships and Societies****Professional Memberships and Services**

American Association of Immunologists Active Member	2001 - Present
American Society of Histocompatibility and Immunogenetics Active Member	2010 - Present
American Society of Transplantation Active Member	2014 - Present
Association of Medical Laboratory Immunologists Active Member	2009 - Present
Clinical Immunology Society Active Member	2016 - Present
International Society for Heart and Lung Transplantation Active Member	2018 - Present
The Transplantation Society Active Member	2020 - Present

**Journal Editorial Responsibilities**

Frontiers in Genetics - Immunogenetics Review Editor	03/2023 - Present
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**10. Education Interests and Accomplishments****A. Curriculum and Course Development**

Transplant Immunology HLA Fellowship Program I have developed a new Transplant Immunology fellowship training program that was approved by the Mayo Clinic Clinical Practice Committee in 04/2020. The fellowship program was accredited in 03/2021. I will serve as program director and mentor Transplant Immunology HLA Laboratory Director Training Fellowship Jacksonville, Florida	07/2021 - Present
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**B. Teaching**

HLA Journal Club I ran a monthly HLA Journal club for the Technologists and students at Puget Sound Blood Center that was accredited the American Society of Histocompatibility & Immunogenetics and all attendees received continuing education credits. Seattle	2011 - 2014
HLA rotation I was the preceptor for all the Clinical Pathology residents, Laboratory Medicine residents, and Transfusion Medicine fellows from University of Washington that did a HLA rotation at the Puget Sound Blood Center. Seattle, Washington	2011 - 2014
HLA Rotation I am the preceptor for all the Clinical Pathology residents and Transfusion Medicine fellows from UF that do a HLA rotation at the Mayo Clinic in Florida. Jacksonville, Florida	2015 - Present
HLA Rotation I am the preceptor for all the Heart Transplant fellows (1 month/year) at Mayo clinic in Florida that do a HLA rotation Jacksonville, Florida	2015 - Present

HLA Rotation I am the preceptor for the Renal Transplant fellows (2 weeks/year) at Mayo clinic in Florida that do a HLA rotation Jacksonville, Florida	2015 - Present
HLA Journal Club I run a monthly HLA Journal club for the Technologists at the Mayo Clinic in Florida that is accredited by the American Society of Histocompatibility & Immunogenetics. All attendees receive continuing education credits (CEC's) for Florida state license renewal. Jacksonville, Florida	2015 - Present
HLA Rotation I am the preceptor for the Second year Pharmacy residents (2 weeks/year) at Mayo clinic in Florida that do a HLA rotation Jacksonville, Florida	2019 - Present
HLA Rotation I am the preceptor for the Cardiothoracic Surgery fellows (1 month/year) at Mayo clinic in Florida that do a HLA rotation Jacksonville, Florida	2020 - Present

### C. Academy of Educational Excellence

Excellence in Administration and Leadership at the Fellow level on this date January 2023

### D. Mentorship

Individual and Position	Timeframe	Outcomes	Current Status
Ali, Mirghani Clinical Research Trainee	1/2018 - 3/2019 I served as a mentor in the Clinical Outcomes Research Project Support fellowship program (CORPS) at Mayo Clinic. My fellow completed the 1 year of clinical research training and started Internal Medicine residency in July 2019	Two abstracts: 1) Association Between Respiratory Virus Infections and the Development of DeNovo HLA Donor-Specific Antibodies in Lung Transplant Recipients (oral presentation at the American society of Transplantation annual meeting in 6/2019) 2) Effect plasmapheresis on de novo hla donor-specific antibody clearance and allograft function in lung transplant recipients: a single-center experience (poster presentation at the European Federation of Immunogenetics meeting 4/2019)	First year Internal Medicine resident
Khouzam, Samir Clinical Research Trainee	3/2019 - 6/2020 I served as a mentor in the Clinical Outcomes Research Project Support fellowship program (CORPS) at Mayo Clinic. My fellow completed the 1 year of clinical research training and starts Internal Medicine residency in July 2020	1 abstract entitled Antithymocyte Globulin is Associated with a Lower Incidence of De Novo Donor-Specific Antibody Detection in Lung Transplant Recipients: A Single-Center Experience	First year Internal Medicine resident
Yousif, Abdelmoneim Clinical Research Trainee	8/2020 - 6/2021 I am serving as a mentor in the Clinical Outcomes Research Project Support fellowship program (CORPS) at Mayo Clinic. My fellow is completing his clinical research training		

and starts Internal  
Medicine residency in July  
2021

### E. Academic Career Development

Basic Teaching Skills Program Author(s)/Presenter(s): Patti Thorn, Ph.D., and Maree Stone A basic teaching skills guide to hone your educational skills, reinforce best practices and learn fundamental teaching strategies. Jacksonville, Florida	12/2022
Instructional Methods in Health Professions Education University of Michigan Jacksonville, Florida	12/2022
enhancing learning in medicine (ELM) Jacksonville, Florida	01/2023
Fundamentals for Medical Educators (Fun 4 ME) Course Author(s)/Presenter(s): Ruth Bello, M.A., Angela Bergene, M.S., Heather Billings, Ph.D., Ashley Christiansen, M.B.A., Jeremy Cutsforth-Gregory, M.D., Lotte Dyrbye, M.D., M.H.P.E., Patti Thorn, Ph.D., and Karen Weavers, M.Ed. Fun 4 ME is designed for health care professionals new to education, and those who are looking to hone their skills, reinforce best practices, and learn new education strategies. Jacksonville, Florida	01/2023 - 01/2023

### F. Educational Activities

## 11. Institutional/Departmental Administrative Responsibilities, Committee Memberships and Other Activities

#### Mayo Clinic

MCASOM Research subcommittee Member	01/01/2020 - 12/31/2021
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#### Activities at Other Institutions

American Society of Histocompatibility and Immunogenetics - Membership committee Active Member	01/01/2018 - 12/31/2021
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## 12. Presentations Extramural

#### National or International

Antithymocyte Globulin is Associate with a Lower Incidence of De Novo Donor-Specific Antibody Detection in Lung Transplant Recipients A Single-Center Experience European Immunogenetics and Histocompatibility Conference Virtual Meeting	04/2021
Oral Maintenance of Vaccine-Specific Central Memory CD4+ T Cells is Impaired in HIV Infection Experimental Biology meeting Washington, District of Columbia	04/2004
Presence of IL-10 positive HIV-specific CD8+ T cell responses is associated with increased viral load and decreased HIV-specific cytotoxicity Experimental Biology meeting San Diego, California	04/2005
Depletion of HIV-specific IL-10 positive CD8+ T cells is associated with increased cytotoxicity and IL-2 production	03/2006

Keystone Symposia  
Keystone, Colorado

ACUTE RENAL ALLOGRAFT REJECTION MEDIATED BY De novo DONOR-SPECIFIC IgM ANTI-HLA-A24 ANTIBODIES: A CASE REPORT 03/2016  
30th Advanced HLA Technical Workshop  
Palm Springs, California

Effect Plasmapheresis on De Novo HLA Donor-Specific Antibody Clearance and allograft function In Lung Transplant Recipients: A Single-Center Experience 03/2019  
33rd Advanced HLA Technical Workshop  
Palm Springs, California

Association Between Respiratory Virus Infections And The Development Of De Novo HLA Donor-Specific Antibodies In Lung Transplant Recipients 06/2019  
American Transplant Congress  
Boston, Massachusetts

Association Between Respiratory Virus Infections And The Development Of De Novo HLA Donor-Specific Antibodies In Lung Transplant Recipients 03/2020  
34th Advanced HLA Technical Workshop  
Palm Springs, California

### Poster

Prolonged E55+ Retrovirus Expression in Aged Mice is Associated with Decreased Anti-Virus Immune Response 05/2000  
American Association of Immunologists meeting  
Seattle, Washington

Evaluation of antigen-specific responses using in vitro enriched T cells 04/2002  
Keystone Symposia  
Keystone, Colorado

Analysis of T Cell Responses Against Hepatitis C Virus Genotype 4 in Egypt 05/2003  
American Association of Immunologists meeting  
Denver, Colorado

Memory T Cells are Depleted in Hepatitis C Virus and Schistosoma mansoni Co-Infection 05/2003  
American Association of Immunologists meeting  
Denver, Colorado

Co-infection with schistosoma mansoni is associated with decreased HIV-specific cytolysis and increased IL-10 production 04/2005  
Experimental Biology meeting  
San Diego, California

Presence of Suppressor HIV-Specific CD8+ T Cells is Associated With Increased PD-1 Expression on Effector CD8+ T Cells 03/2008  
Keystone HIV Symposia  
Banff Springs, Alberta, Canada

CTLA-4 blockade decreases TGF- $\beta$  expression by HIV-specific CD8+ T cells. 03/2009  
Keystone HIV Symposia  
Keystone, Colorado

Evaluation of an automated test for the detection of anti-ENA antibodies. 08/2010  
American Association of Medical Laboratory Immunologists meeting  
Orlando, Florida

Second generation automated anti-CCP test better predicts the clinical diagnosis of Rheumatoid arthritis 08/2010  
American Association of Medical Laboratory Immunologists meeting  
Orlando, Florida

Evaluation of HLA typing by real-time PCR. 10/2011  
American Association of Histocompatibility and Immunogenetics meeting  
New Orleans, Louisiana

A new rapid method of HLA-DP typing and virtual crossmatch. American Association of Histocompatibility and Immunogenetics meeting San Juan, Puerto Rico	10/2012
No Association between the Number of Activating KIR Genes and the incidence of CMV Disease in Liver Transplant Recipients. American Association of Histocompatibility and Immunogenetics meeting Chicago, Illinois	11/2013
Effect Plasmapheresis on De Novo HLA Donor-Specific Antibody Clearance and allograft function In Lung Transplant Recipients: A Single-Center Experience European Immunogenetics and Histocompatibility conference Lisbon, Portugal	05/2019

### 13. Visiting Professorship

### 14. Clinical Practice, Interests, and Accomplishments

The HLA laboratory received accreditation from the ASHI to perform testing of unrelated donors for bone marrow transplantation (2016)

Validation and use of buccal swabs as standard DNA extraction method for HLA typing of bone marrow/stem cell patients and donors at MCF (2019)

Validation and use of Next Generation Sequencing as standard HLA typing method for patients and donors in all transplant programs (solid organs & bone marrow/stem cells) at MCF (2020)

Validation and use of Sequence based high resolution testing as standard HLA typing method for all bone marrow/stem cell patients and donors (2016)

### 15. Quality Initiatives

#### Quality Improvement Projects

#### Quality

### 16. Research Interests and Accomplishments

### 17. Research Grants Awarded

#### Active Grants

#### Mayo Clinic

Principal Investigator	Chimerism Testing by Next Generation Sequencing. Funded by Mayo Clinic	02/2022 - 12/2022
Principal Investigator	The effect of induction medication used at the time of kidney transplant on incidence of Antibody Mediated Rejection (AMR) caused by non-HLA antibodies and one-year kidney allograft function. Funded by Transplant Benefactor award - Transplant and Regenerative Medicine Focused Research Team	11/2022 - 12/2023

#### Completed Grants

#### Federal

Principal Investigator	Suppressor CD8+ T cells in HIV infection.. Funded by NIH/NIAID	01/2006 - 01/2008
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#### Mayo Clinic

Program Director / Principal Investigator	FRT 2019/2020: Role of Anti-HLA and non-HLA antibodies in Lung Transplantation: FRT 2019: Role of Anti-HLA and non-HLA antibodies in Lung Transplantation. Funded by Research Team Funding. Funded by Research Team Funding	01/2019 - 12/2021
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#### Other

Principal Investigator	Biology of HIV in Minorities. Funded by University of California, Davis	01/2008 - 01/2009
Co-Principal	Role of Human papilloma virus and T cells in pathogenesis of	01/2015 - 12/2018



Investigator	breast cancer and their relation to risk factors. Funded by Science and Technology Development Fund (Egypt). (22914)
Co-Principal Investigator	A novel mRNA-based assay for diagnosis of Latent Tuberculosis Infection in Pediatrics Household Contacts. Funded by Science and Technology Development Fund (Egypt). (6881) 02/2015 - 02/2017

**18. Inventions, Commercialization and Offering**

**A. Patents**

**Patent Number    Country    Date Filed    Date Issued**

**B. Other**



## 19. Bibliography

### Peer-reviewed Articles

1. Maklad S, Mobdy HR, **Elrefaei M**, Galal N, Phillips SM, Elsheikh N. Adhesion molecules in human schistosomiasis: I. their expression correlates with protection against schistosoma mansoni. *Egyptian J Immunol.* 1997; 4:373-81.
2. Afifi S, Hegazi F, **Elrefaei M**, Ashour MS, Elsheikh N. Detection of cytokine gene expression in schistosoma mansoni vaccine model by In situ hybridization technique. *Egyptian J Immunol.* 1998; 5:187-96.
3. Rumbely CA, Sugaya H, Zekavat SA, **Elrefaei M**, Perrin PJ, Phillips SM. Activated eosinophils are the major source of Th2-associated cytokines in the schistosome granuloma. *J Immunol.* 1999; 162:1003-1009.
4. **Elrefaei M**, Blank KJ, Murasko DM. Prolonged E55+ retrovirus expression in aged mice is associated with a decline in the anti-virus immune response. *Virology.* 2001 Nov 25; 290(2):281-9. PMID: 11883192 DOI: 10.1006/viro.2001.1128
5. **Elrefaei M**, Blank KJ, Murasko DM. Decreased IL-2, IFN-gamma, and IL-10 production by aged mice during the acute phase of E55+ retrovirus infection. *Virology.* 2002 Jul 20; 299(1):8-19. PMID: 12167336
6. Jones N, Agrawal D, **Elrefaei M**, Hanson A, Novitsky V, Wong JT, Cao H. Evaluation of antigen-specific responses using in vitro enriched T cells. *J Immunol Methods.* 2003 Mar 1; 274(1-2):139-47. PMID: 12609540
7. **Elrefaei M**, El-Sheikh N, Kamal K, Cao H. HCV-specific CD27- CD28- memory T cells are depleted in hepatitis C virus and Schistosoma mansoni co-infection. *Immunology.* 2003 Dec; 110(4):513-8. PMID: 14632650 PMCID: 1783079
8. **Elrefaei M**, El-sheikh N, Kamal K, Cao H. Analysis of T cell responses against hepatitis C virus genotype 4 in Egypt. *J Hepatol.* 2004 Feb; 40(2):313-8. PMID: 14739104
9. **Elrefaei M**, McElroy MD, Preas CP, Hoh R, Deeks S, Martin J, Cao H. Central memory CD4+ T cell responses in chronic HIV infection are not restored by antiretroviral therapy. *J Immunol.* 2004 Aug 1; 173(3):2184-9. PMID: 15265956
10. Barugahare B, Baker C, K'Aluoch O, Donovan R, **Elrefaei M**, Eggena M, Jones N, Mutalya S, Kityo C, Mugenyeni P, Cao H. Human immunodeficiency virus-specific responses in adult Ugandans: patterns of cross-clade recognition. *J Virol.* 2005 Apr; 79(7):4132-9. PMID: 15767414 PMCID: 1061582 DOI: 10.1128/JVI.79.7.4132-4139.2005
11. McElroy MD, **Elrefaei M**, Jones N, Ssali F, Mugenyeni P, Barugahare B, Cao H. Coinfection with Schistosoma mansoni is associated with decreased HIV-specific cytolysis and increased IL-10 production. *J Immunol.* 2005 Apr 15; 174(8):5119-23. PMID: 15814743
12. McEvers K, **Elrefaei M**, Norris P, Deeks S, Martin J, Lu H, Cao H. Use of modified fusion proteins for antigen delivery by MHC Class I or II in T cell assays. *Vaccine.* 14 July 2005; 23(32):4128-4135. Epub 2005 Apr 15
13. **Elrefaei M**, Barugahare B, Ssali F, Mugenyeni P, Cao H. HIV-specific IL-10-positive CD8+ T cells are increased in advanced disease and are associated with decreased HIV-specific cytolysis. *J Immunol.* 2006 Jan 15; 176(2):1274-80. PMID: 16394019
14. **Elrefaei M**, Ventura FL, Baker CA, Clark R, Bangsberg DR, Cao H. HIV-specific IL-10-positive CD8+ T cells suppress cytolysis and IL-2 production by CD8+ T cells. *J Immunol.* 2007 Mar 1; 178(5):3265-71. PMID: 17312176
15. Baker CA, Emenyonu N, Ssewanyana I, Jones NG, **Elrefaei M**, Nghania F, Nakiwala J, Andia I, Clark R, Martin J, Bangsberg DR, Cao H. Profile of immunologic recovery in HIV-infected Ugandan adults after antiretroviral therapy. *AIDS Res Hum Retroviruses.* 2007 Jul; 23(7):900-5. PMID: 17678474 DOI: 10.1089/aid.2006.0309
16. Ssewanyana I, **Elrefaei M**, Dorsey G, Ruel T, Jones NG, Gasasira A, Kanya M, Nakiwala J, Achan J, Charlebois E, Havlir D, Cao H. Profile of T cell immune responses in HIV-infected children from Uganda. *J Infect Dis.* 2007 Dec 1; 196(11):1667-70. Epub 2007 Oct 25. PMID: 18008251 DOI: 10.1086/522013
17. **Elrefaei M**, Baker CA, Jones NG, Bangsberg DR, Cao H. Presence of suppressor HIV-specific CD8+ T cells is associated with increased PD-1 expression on effector CD8+ T cells. *J Immunol.* 2008 Jun 1; 180(11):7757-63. PMID: 18490780 PMCID: 3591725
18. **Elrefaei M**, Burke CM, Baker CA, Jones NG, Bousheri S, Bangsberg DR, Cao H. TGF-beta and IL-10 production by HIV-specific CD8+ T cells is regulated by CTLA-4 signaling on CD4+ T cells. *PLoS One.* 2009; 4(12):e8194. Epub 2009 Dec 14. PMID: 20016783 PMCID: 2791208 DOI: 10.1371/journal.pone.0008194

19. **Elrefaei M**, Burke CM, Baker CA, Jones NG, Bousheri S, Bangsberg DR, Cao H. HIV-specific TGF-beta-positive CD4+ T cells do not express regulatory surface markers and are regulated by CTLA-4. *AIDS Res Hum Retroviruses*. 2010 Mar; 26(3):329-37. PMID: 20433405 PMCID: 2933167 DOI: 10.1089/aid.2009.0149
20. **Elrefaei M**, Boose K, McGee M, Tarrant TK, Lin FC, Fine JP, Schmitz JL. Second generation automated anti-CCP test better predicts the clinical diagnosis of rheumatoid arthritis. *J Clin Immunol*. 2012 Feb; 32(1):131-7. Epub 2011 Nov 10. PMID: 22072115 DOI: 10.1007/s10875-011-9610-y
21. Khoor A, Roden AC, Colby TV, Roggli VL, **Elrefaei M**, Alvarez F, Erasmus DB, Mallea JM, Murray DL, Keller CA. Giant cell interstitial pneumonia in patients without hard metal exposure: analysis of 3 cases and review of the literature. *Hum Pathol*. 2016 Apr; 50:176-82 Epub 2015 Dec 18 PMID: 26997453 DOI: 10.1016/j.humpath.2015.12.004
22. Tawfeik AM, Mora A, Osman A, Moneer MM, El-Sheikh N, **Elrefaei M**. Frequency of CD4+ regulatory T cells, CD8+ T cells, and human papilloma virus infection in Egyptian Women with breast cancer. *Int J Immunopathol Pharmacol*. 2020 Jan-Dec; 34:2058738420966822 PMID: 33103515 PMCID: 7786412 DOI: 10.1177/2058738420966822
23. \* Khouzam S, Narula T, Alvarez F, **Elrefaei M**. Antithymocyte Globulin is Associated with a Lower Incidence of De Novo Donor-Specific Antibody Detection in Lung Transplant Recipients: A Single-Center Experience. *J Heart Lung Transplant*. 2020 Apr; 39 (4S):S324 Epub 2020 Mar 30 PMID: 32465409 DOI: 10.1016/j.healun.2020.01.335
24. El-Sheikh N, Mousa NO, Tawfeik AM, Saleh AM, Elshikh I, Deyab M, Ragheb F, Moneer MM, Kawashti A, Osman A, **Elrefaei M**. Assessment of Human Papillomavirus Infection and Risk Factors in Egyptian Women With Breast Cancer. *Breast Cancer (Auckl)*. 2021; 15:1178223421996279 Epub 2021 Feb 25 PMID: 33716506 PMCID: 7917427 DOI: 10.1177/1178223421996279
25. El-Sheikh N, Mousa NO, Osman A, Tawfeik AM, Taha BA, Mahran H, Saleh AM, El-Shiekh I, Amin W, **Elrefaei M**. Assessment of Interferon Gamma-Induced Protein 10 mRNA Release Assay for Detection of Latent Tuberculosis Infection in Egyptian Pediatric Household Contacts. *Int J Infect Dis*. 2021 Aug; 109:223-229 Epub 2021 July 13 PMID: 34271200 DOI: 10.1016/j.ijid.2021.07.024
26. Narula T, Khouzam S, Alvarez F, Erasmus D, Li Z, Abdelmoneim Y, **Elrefaei M**. Antithymocyte globulin is associated with a lower incidence of de novo donor-specific antibody detection in lung transplant recipients: A single-center experience. *Immun Inflamm Dis*. 2021 Dec; 9 (4):1418-1427 Epub 2021 July 26 PMID: 34310850 PMCID: 8589359 DOI: 10.1002/iid3.491
27. Powers HR, Hellinger WC, Cortese C, **Elrefaei M**, Khouzam S, Spiegel M, Li Z, Wadei HM. Histologic acute graft pyelonephritis after kidney transplantation: Incidence, clinical characteristics, risk factors, and association with graft loss. *Transpl Infect Dis*. 2022 Apr; 24 (2):e13801 Epub 2022 Feb 07 PMID: 35080081 DOI: 10.1111/tid.13801
28. Pereira ROL, Rodrigues ES, Martin AK, Narula T, Ball CT, Alvarez F, Erasmus DB, **Elrefaei M**, Pham SM, Salinas JLZ, Thomas M#. Outcomes After Lung Retransplantation: A Single-Center Retrospective Cohort Study. *J Cardiothorac Vasc Anesth*. 2022 May; 36 (5):1366-1372 Epub 2021 Aug 22 PMID: 34544627 DOI: 10.1053/j.jvca.2021.08.025
29. Shah SZ, Abdelmoneim Y, Pham SM, **Elrefaei M**. Association between SARS-CoV-2 infection and de novo HLA donor specific antibody production in lung transplant recipients: Single-center study. *Hum Immunol*. 2022 Nov; 83 (11):749-754 Epub 2022 Aug 15 PMID: 35987702 PMCID: 9376302 DOI: 10.1016/j.humimm.2022.07.007
30. Jarmi T, Abdelmoneim Y, Li Z, Jebrini A, **Elrefaei M**. Basiliximab is associated with a lower incidence of De novo donor-specific HLA antibodies in kidney transplant recipients: A single-center experience. *Transpl Immunol*. 2023 Apr; 77:101778 Epub 2022 Dec 28 PMID: 36584928 DOI: 10.1016/j.trim.2022.101778
31. Ibrahim IH, Ali OSM, El-Sahar AA, **Elrefaei M**, El-Sheikh N. Telomerase Expression Related with Poor Immune Response to HCV Core Antigen in Egyptian HCV Patients' PBMCs. *J Clin Exp Hepatol*. 2023 Nov-Dec; 13 (6):1008-1016 Epub 2023 June 19 PMID: 37975051 PMCID: 10643511 DOI: 10.1016/j.jceh.2023.06.004
32. Hanouneh T, Attieh RM, Craver E, Jebrini A, **Elrefaei M**, Jarmi T. Comparative analysis of Basiliximab and Alemtuzumab induction therapies in blood type A2-to-B kidney transplantation: Impact on kidney function and de novo donor-specific HLA antibodies. *Transpl Immunol*. 2023 Dec; 81:101958 Epub 2023 Nov 09 PMID: 37949378 DOI: 10.1016/j.trim.2023.101958
33. Du Z, Williams C, Santiago R, Ussery T, **Elrefaei M**. Identification of the novel HLA-B\*57:168 allele by next generation sequencing. *HLA*. 2023 Dec 11 [Epub ahead of print] PMID: 38073446 DOI: 10.1111/tan.15327
34. Du Z, Williams C, Robinson T, Hardage B, **Elrefaei M**. Identification of the novel HLA-C\*03:648 allele by next generation sequencing. *HLA*. 2023 Dec 11 [Epub ahead of print] PMID: 38081589 DOI: 10.1111/tan.15324

### Non-Peer-reviewed Articles

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**Conference Reports****Books****Book Chapters****Edited Books****Editorials****Commentaries****Audio/Video/CD-ROM/etc.****Abstracts**

1. Sullivan Patrick, Weiss Noel, Warner Paul, **Elrefaei Mohamed**, Kemna Mariska, Law Sabrina, Albers Erin, Law Yuk. Human Leukocyte Antigen Mismatching and Graft Survival in Pediatric Heart Transplant Recipients Circulation. 2013.
2. Hallaway Lisa, Wakefield Laurie, Kreuter Justin, Rowans Lauren, Kahle David, **Elrefaei Mohamed**, Genco Petrina, Desmarteau Yvonne, Stoll Scott, Pando Marcelo, Valdez Riccardo, La Hieu, Matthey Michelle, Feehan Barb, Kloeppel Brooke, Townshend Scot, Gandhi Manish. Medical record convergence for hla reporting across the enterprise Human Immunology. 2015.
3. \* Ali ML, Mallea J, **Elrefaei M**. Effect plasmapheresis on de novo hla donor-specific antibody clearance and allograft function in lung transplant recipients: a single-center experience HLA. 2019 May; 93(5):312-3. Epub 1900 Jan 01.
4. \* Mirghani IA, Hata DJ, Mallea J, **Elrefaei M**. Association Between Respiratory Virus Infections and the Development of DeNovo HLA Donor-Specific Antibodies in Lung Transplant Recipients American Transplant Congress. 2019; Abstract no. 2978.
5. Baker TR, Infante SO, Garabiles ED, Santiago RO, Robinson YL, Firth DJ, Rowans LK, **Elrefaei M**. Role of next generation sequencing in hla typing of hematopoietic stem cell transplant patients: two case reports Human Immunology. 2019 Sep; 80:63
6. \* **Elrefaei M**, Khouzam S, Narula T, Alvarez F. Antithymocyte globulin is associated with a lower incidence of de novo donor-specific antibody detection in lung transplant recipients: a single-center experience Hla. 2020 Apr; 95(4):321. Epub 1900 Jan 01.
7. Brow D, Krishnarao K, Goswami R, **Elrefaei M**. Effect of temporary versus durable support devices as bridge to transplant on hla antibody production in heart transplant recipients. Journal of Heart and Lung Transplantation. 2022 Apr; 41(4 Suppl):S203-4
8. Abdelmoneim Y, Alvarez F, Narula T, Li Z, **Elrefaei M**. Alemtuzemub and antithymocyte globulin are associated with a lower incidence of de novo donor-specific hla class ii antibody detection in lung transplant recipients. HLA. 2022 May; 99(5):451
9. Brow D, Pettersson L, **Elrefaei M**. Assessment of chimerism testing by next generation sequencing. HLA. 2022 May; 99(5):478
10. Brow D, **Elrefaei M**. Role of next generation sequencing as primary hla typing method in hematopoietic stem cell and solid-organ transplant patients: 2 case reports. Human Immunology. 2022 Nov; 83:77
11. Xu Q, Roux A, **Elrefaei M**, Hitchman K, Taupin J, Gareau A, Lucas D, Bettinotti M, Marrari M, Narula T, Alvarez F, Iasella C, Sanchez P, Levine D, Zeevi A. Chronic lung allograft dysfunction is associated with an increased number of autoantibodies. Journal of Heart and Lung Transplantation. 2023 Apr; 42(4 Suppl):S27-8
12. Brow D, Kendrick J, Viswanatha D, Kharfan Dabaja M, **Elrefaei M**. Assessment of chimerism by next-generation sequencing: a comparison to str-pcr method. Journal of Molecular Diagnostics. 2023 Jun; 25(6 Suppl):S14
13. Brow D, Kendrick J, Viswanatha D, Kharfan Dabaja M, **Elrefaei M**. Chimerism analysis post-hematopoietic stem cell transplantation by next-generation sequencing: a case report. Journal of Molecular Diagnostics. 2023 Jun; 25(6 Suppl):S14

**Letters****Stamp Vignettes**

**Thesis**

**Ask Mayo Expert Model**

**Ask Mayo Expert Topic**

**Clinical Knowledge Asset**

**Book Reviews**

**Scientific Reports**

**Miscellaneous**

**Social Media Activity**

**Forthcoming**

\* Indicates the primary author was a mentee of this author.

# Indicates the authors contributed equally.