

## Mustafa Steven Ascha

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### EDUCATION

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| 2016-2019   | Case Western Reserve University<br>Center for Clinical Investigation<br>Department of Epidemiology and Biostatistics <ul style="list-style-type: none"><li>• PhD, Clinical and Translational Science</li></ul>                       |
| 2014-2016   | Case Western Reserve University<br>Center for Clinical Investigation<br>Department of Epidemiology and Biostatistics <ul style="list-style-type: none"><li>• Graduate Certificate in Clinical Research</li><li>• GPA: 4.00</li></ul> |
| 2014-2016   | Case Western Reserve University<br>Department of Physiology and Biophysics <ul style="list-style-type: none"><li>• Master's of the Sciences, Medical Physiology</li><li>• GPA: 3.95</li></ul>  |
| 2007 – 2011 | Case Western Reserve University <ul style="list-style-type: none"><li>• Bachelor's of the Arts, Economics</li><li>• Minor, Philosophy</li><li>• GPA: 3.04</li></ul>  |

### WORK EXPERIENCE

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| 2016 - present | University Hospitals Case Medical Center, Cleveland, Ohio<br>Ear, Nose, and Throat Institute<br>Department of Otolaryngology – Head & Neck Surgery<br>Supervisor: Todd D. Otteson, MD, MPH<br>Donor Funded -- Enlarged Vestibular Aqueduct Research Program <ul style="list-style-type: none"><li>• Study director, Enlarged Vestibular Aqueduct Registry (EVAR)</li><li>• Wrote and submitted an IRB application for EVAR</li><li>• Ensured timely launch of EVAR by coordinating IRB interaction, website development, EVAR marketing, and supervisor input</li><li>• Submitted and earned approval for EVAR to be listed on ClinicalTrials.gov<ul style="list-style-type: none"><li>○ <a href="https://clinicaltrials.gov/ct2/show/study/NCT02798783">https://clinicaltrials.gov/ct2/show/study/NCT02798783</a></li></ul></li><li>• Authored and submitted manuscripts and abstracts for publication and presentation</li><li>• Wrote update letters to donors</li></ul> |
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- Conceived, implemented, and wrote manuscript for a retrospective study of hearing loss in EVA patients
  - Designed study to reflect longitudinal nature of hearing loss progression
  - Used repeated measures of hearing to construct linear mixed-effects models
  - Examined the impact of inner ear morphology on hearing loss

2010-2011                      Louis Stokes Veterans Affairs Medical Center, Cleveland, Ohio  
    Spinal Cord Injury and Disorders Department  
    Supervisor: Christine Woo, MS

- Developed telehealth program materials
- Participated in manuscript revision

## RESEARCH EXPERIENCE

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2008 - 2010                      Cleveland Clinic Foundation, Digestive Disease Institute, Cleveland, Ohio  
    PI: Nizar Zein, MD

- Designed experiments based on questions discovered during literature search
- Retrieved and pre-processed data
- Authored and submitted manuscripts and abstracts for publication and presentation

2014 - present                      Cleveland Clinic Foundation, Digestive Disease Institute, Cleveland, Ohio  
    PI: Ibrahim Hanouneh, MD

- Authored and submitted manuscripts and abstracts for publication and presentation

## BIBLIOGRAPHY

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### Peer Reviewed Articles

1. **Ascha MS**, Hanouneh IA, Lopez R, Tamimi TA, Feldstein AF, Zein NN. The incidence and risk factors of hepatocellular carcinoma in patients with nonalcoholic steatohepatitis. *Hepatology*. 2010;51(6):1972-8. doi: 10.1002/hep.23527.PMID: 20209604.
2. **Ascha MS**, Ascha ML, Zein NN, et al. Treatment of Recurrent Hepatitis C Genotype 4 Post-Liver Transplantation with Sofosbuvir plus Simeprevir. *Int J Organ Transplant Med*. 2015;6(2):86-90. PMID: 26082832. PMCID: PMC4464282
3. **Ascha MS**, Ascha ML, Hanouneh IA. Management of immunosuppressant agents following liver transplantation: Less is more. *World J Hepatol* 2016;8(3): 148-161. doi:10.4254/wjh.v8.i3.148. PMID: 26839639. PMCID: PMC4724578.
4. Ascha M, Wang Z, **Ascha MS**, Dweik R, Zein NN, Grove D, Brown JM, Marshall S, Lopez R, Hanouneh IA. Metabolomics studies identify novel diagnostic and prognostic indicators in patients with alcoholic hepatitis. *World J Hepatol*. 2016;8(10):499-508. doi: 10.4254/wjh.v8.i10.499. PMID: 27057307. PMCID: PMC4820641.
5. Ascha M, Hanouneh M, **Ascha MS**, Zein NN, Sands M, Lopez R, Hanouneh IA. Transjugular Intrahepatic Porto-Systemic Shunt in Patients with Liver Cirrhosis and Model for End-Stage Liver Disease  $\geq 15$ . *Dig Dis Sci*. 2016 May 6; Epub ahead of print. PMID: 27154510.
6. Nayfe R, **Ascha MS**, Ismail M, Salvino R. Gastrocolic Fistula as a Presentation of Concomitant Gastric and Colon Cancer in a Patient with a History of Metastatic Pancreatic Adenocarcinoma. *J Gastrointest Cancer*. 2016; Epub ahead of print. PMID: 27251299.
7. **Ascha MS**, Ascha ML, Hanouneh IA. Black Ascites: An interesting presentation of pancreatic duct leak. 2016; 3(4):18-21. doi: 10.5430/crim.v3n4p18. PMID: To be assigned

### Oral Presentations

1. **Ascha MS**, Hanouneh IA, Lopez R, Abu-Rajab Tamimi TI, Albeldawi M, Feldstein AE, McCullough AJ, Zein NN. "Cumulative Incidence and Risk Factors of Hepatocellular Carcinoma (HCC) in Patients with END-Stage Liver Disease Secondary to Nonalcoholic Steatohepatitis (NASH)." Gastroenterology, Volume 136, Issue 5, Supplement 1, May 2009, Page A-797, ISSN 0016-5085, [http://dx.doi.org/10.1016/S0016-5085\(09\)63676-3](http://dx.doi.org/10.1016/S0016-5085(09)63676-3). (<http://www.sciencedirect.com/science/article/pii/S0016508509636763>)
  - a. Presentation by Ascha MS
2. Ascha ML, **Ascha MS**, Dweik R, Zein NN, Brown M, Marshall S, Hazen S, Wang Z, Grove D, Hanouneh IA. "Metabolomics: Identifying novel prognostic indicators in patients with end-stage liver disease." Case Western Reserve University QGrad LGBT Symposium. April 23, 2015. Cleveland, Ohio.
  - a. Presentation by Ascha MS
3. Ascha ML, **Ascha MS**, Hanouneh IA. "Treatment of recurrent hepatitis C genotype 4 post-liver transplantation with sofosbuvir plus simeprevir: a case series." Case Western Reserve University QGrad LGBT Symposium. April 23, 2015. Cleveland, Ohio.
  - a. Presentation by Ascha MS
- 4.

### Poster Presentations

1. **Ascha MS**, Hanouneh IA, Lopez R, Feldstein AE, Zein NN. "Risk score for predicting the lack of response to antiviral treatment in patients with chronic HCV infection." American College of Gastroenterology, October 3 – 8, 2008. Orlando, Florida
  - a. Presentation by Ascha MS
2. **Ascha ML**, Ascha MS, Hanouneh IA. "Treatment of recurrent hepatitis C genotype 4 post-liver transplantation with sofosbuvir plus simeprevir: a case series." Case Western Reserve University Department of Physiology and Biophysics Retreat. September 25, 2015. Cleveland, Ohio.
  - a. Presentation by Ascha MS

## TEACHING EXPERIENCE

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Summer 2016	Teaching Assistant Course Title: Introduction to R Programming Case Western Reserve University, Clinical Research Scholars Program Course Director: Steven Lewis, MS, MBA <ul style="list-style-type: none"><li>• Met with students to review core R Programming concepts</li><li>• Graded and designed homework assignments</li><li>• Lectured regarding the use of R Markdown<ul style="list-style-type: none"><li>○ <a href="https://github.com/mustafaascha/rmarkdownTutorial">https://github.com/mustafaascha/rmarkdownTutorial</a></li></ul></li></ul>
Fall 2016	Intern, Curriculum Development and Programming Case Western Reserve University, Department of Epidemiology and Biostatistics Course Director: Thomas Love, PhD <ul style="list-style-type: none"><li>• Updated course notes and assignment solutions to reflect modern R practices<ul style="list-style-type: none"><li>○ Re-wrote figures to use the R package ggplot2</li><li>○ Re-wrote code to use the R package dplyr</li></ul></li><li>• Converted R Markdown notes for use with the R package bookdown<ul style="list-style-type: none"><li>○ Organized notes for use both in website or PDF format</li></ul></li></ul>

## COMMUNITY SERVICE

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Ascha  
September 9, 2016  
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- Jan. – Jun. 2013      Volunteer, Perioperative Care Center  
Hillcrest Hospital, Cleveland Clinic Health System, Mayfield Heights, Ohio
- Prepared rooms for post-surgery patients
  - Transported patients to hospital exit for pick-up
- 2015      Volunteer, Preventing Incident Delirium in the Elderly (PRIDE) Program  
University Hospitals Case Medical Center, Cleveland, Ohio
- Re-oriented elderly patients to place and time
  - Spent time in conversation with elderly patients

**Languages:** Conversant in French and Syrian Arabic

**Interests:** Guitar playing, electronics, software development