

Curriculum Vitae

Jens Uwe Ponikau, M.D.

Date of Birth: March 8, 1966
in: Halle, Germany
Citizenship: German

Mother: Jutta Ponikau, Elementary School Teacher
Father: Dr. Joachim Ponikau, Otorhinolaryngologist

Wife: Ragna, married since Sep 6th 1997

Children: 3 daughters,
Sidney, born Feb 14th 1998
Felicia, born Jun 30th 1999
Isabella, born Feb 1st 2004

Education:

1972-1982 High-School, Hamburg, Germany

1982-1983 Exchange Student Year, Trimont, Minnesota
American High School Degree

1983-1986 Extended High School (College Equivalent)
Hamburg, Germany, Majors in Physics and English

1986-1987 15 months military service (medical corps), Germany
Truck drivers license

1987-1993 Medical School, Hamburg Germany
(2 years pre-med, 4 years med)

1993-1994 Fourth year medical student
6 months McGill University, Montreal
6 months Mayo Clinic, Rochester

1994 Medical Degree Hamburg University, Germany

1994-1996 ENT Residency, Hof, Germany

5/96-10/96 Visiting Physician, Mayo Clinic Rochester

04/97-03/02 Research Fellow, Department of Otorhinolaryngology
Principle Investigator, Fungal Sinusitis Projects
(Fungus induced inflammation of the airway in patients with
chronic rhinosinusitis and /or asthma)

04/02- 12/02 Research Associate, Department of Otorhinolaryngology,
Mayo Clinic Rochester

- 12/02–08/05 Associate Consultant in Research
Staff appointment at the
Department of Otorhinolaryngology, Mayo Clinic Rochester
- 08/05 - Full time faculty, Department of Otorhinolaryngology,
University of Buffalo, The State University of New York

Academic Appointments

- 2001 - 2005 Assistant Professor of Otorhinolaryngology
Mayo College of Medicine
Mayo Clinic Rochester
- 2005 - Clinical Assistant Professor of Otorhinolaryngology
University of Buffalo, The State University of New York

Professional Memberships and Societies

- 1997 - American Academy of Otolaryngology – Head and Neck
Surgery
- 1997 - 2002 American Rhinologic Society

Awards

2003 Innovator of the year Finance and Commerce, Twin Cities Daily Business Newspaper

Honors

Marquis Who's Who in Medicine and Healthcare 2005 Edition
Mayo Clinic Scottsdale Graduation Commencement Speaker 2004
Honorable Member Austrian ENT Society 2013

Educational Activities (lectures)

Allergy testing in Allergic Fungal Sinusitis

Department of Internal Medicine, Division of Allergy and Outpatient Infectious Disease
Mayo Clinic Rochester, July 1997

Chronic Rhinosinusitis: A new look at an old and unsolved problem

Department of Preventive and Occupational Medicine, Mayo Clinic Rochester
Mayo Clinic Rochester, May 1999

Intranasal Steroids in the treatment of allergic rhinitis and chronic rhinosinusitis

General Practitioners, April 3rd, 2000
Allergists and ENT specialists, April 4th, 2000
Manila, Philippines
General Practitioners April 5th, 2000
Allergists and ENT specialists April 6th, 2000
Cebu, Philippines
General Practitioners April 7th, 2000
Davao, Philippines

Chronic Rhinosinusitis – The Paradigm Shift

St. Paul ENT specialists
St. Paul, Minnesota, April 13th, 2000

Chronic Rhinosinusitis- An Eosinophilic Inflammation
New Ulm Medical Center
New Ulm, Minnesota, May 3rd, 2000

New Insides into the Pathophysiology of Chronic Rhinosinusitis
Medical Grand Rounds
Regions Hospital
St. Paul, Minnesota, May 31st, 2000

Chronic Rhinosinusitis: A never understood systemic disease
Residents Core Curriculum, Mayo Clinic Rochester
Rochester, MN, Dec 8th, 2000

Chronic Rhinosinusitis and Asthma: The Link
Dep. of Otorhinolaryngology, Mayo Clinic Rochester
Rochester, MN, Dec 22nd, 2000

Treatment Options for Allergic Rhinitis
Red Cedar Medical Center
Menomonie, Wisconsin, April 9th, 2001

Allergic Rhinitis: Anything New?
Luther Midlefort Hospital and Clinic
Eau Claire, Wisconsin, April 9th, 2001

The role of fungi in chronic rhinosinusitis
University of Portland, Department of Otorhinolaryngology
Portland, OR July 18, 2002

Chronic Rhinosinusitis/Nasal Polyps:
The war of the eosinophils against the fungi
Mercy Hospital Grand Rounds
Buffalo NY, June 4th 2016

Chronic Rhinosinusitis/Nasal Polyps:
The war of the eosinophils against the fungi
Internal Medicine Grand Rounds
Sisters Catholic Hospital
Buffalo NY, August 23rd 2016

Institutional Administrative Responsibilities

Member ENT Research Committee, Mayo Clinic 2001 – 2005

Chair ENT Research Committee, University at Buffalo 2005 -

National/International Administrative Responsibilities

- Co-Chair Industry Relation Committee, International Rhinologic Society
1998 – 2004
- Member NOSE 2000 world congress of rhinology, planning committee
- Member 2003 Chronic Rhinosinusitis Definitions Task Force
Sinus and Allergy Health Partnership of the American Academy of
Otolaryngology – Head and Neck Surgery, the American Rhinologic Society
and the American Academy of Otolaryngic Allergy
- Member 2005 Chronic Rhinosinusitis Definition Initiative (“Rhinosinusitis: Developing
Guidance for Clinical Trials of the American Academy of Allergy, Asthma and
Immunology (AAAAI), the American Academy of Otolaryngology – Head
and Neck Surgery (AAO-HNS), the American Rhinologic Society (ARS), the
American College of Allergy, Asthma and Immunology (ACAAI) and the
American Academy of Otolaryngic Allergy (AAOA)

Other Administrative Responsibilities

Active Reviewer for the following Journals:

- American Journal of Rhinology
- Otolaryngology - Head and Neck Surgery
- ENT Journal
- Clinical Anatomy
- International Archives of Allergy and Immunology
- The Lancet
- International Journal of Otolaryngology
- The Laryngoscope
- Mayo Clinic Proceedings
- Molecular Biology Reports
- The Southern Medical Journal
- Expert Review of Anti-infective Therapy
- Sinusitis

Advisor / Consultations

- Consultant National Advisory Board Schering-Plough 1999 – 2002
- Consultant National Advisory Board Aventis 2003
- Consultant Pfizer Advisory Board Pfizer 2003
- Consultant Dey Pharmaceutical 2007-2009
- Chair, Scientific Advisory Board, Immco Diagnostics 2009-2011
- Consultant Hartington Pharmaceutical (Spain) 2009 -

Previous Research

1. Computed Tomography and Symptom-Based Diagnosis of Sinusitis: A Comparison IRB 1086-03
2. Nasal Provocation with Fungal Allergen in Normal Subjects and Patients with Chronic Rhinosinusitis IRB 710-03
3. Eosinophilic Fungal Rhino Sinusitis (EFRS): Nasal Challenge with Fungal Antigen IRB 17-03
4. Gene Expression in T-Cells in Chronic Rhinosinusitis IRB 2156-02
5. Testing for Delayed Hypersensitivity to Fungal Allergens in Patients with Chronic Rhinosinusitis IRB 1590-02
6. Degranulation of Eosinophils in the Nasal Mucin of Chronic Rhinosinusitis Patients IRB 1186-02
7. An in Vitro Model for Eosinophilic Inflammation in Chronic Rhinosinusitis, IRB # O-2050-01
8. Efficacy and Safety of 200 mcg or 400 mcg of Mometasone Furoate Nasal Spray (MFNS) or Placebo in the Treatment of Nasal Polyps in Subjects 18 Years of Age or Older, IRB # O-283-01
9. Asthma and Allergic Diseases Research Centers, IRB# O-146-01
10. The Pathogenesis of Intrinsic Asthma, IRB #B-322-01
11. The Pathogenesis of Chronic Rhinosinusitis, IRB # B-1066-00
12. Characterization of the Immune Response to *Alternaria* in Patients with Chronic Sinusitis and Allergic Rhinitis, IRB# B-2049-00
13. Detection of Fungal Organisms in EFRS Using a Fluorescein Labeled Chitin-Specific Binding Protein, IRB # O-1616-00
14. Eosinophilic Fungal RhinoSinusitis (EFRS): Direct muco-administration of Amphotericin B versus Placebo, IRB 940-00
15. Concentration of Eosionophil Granular Proteins in the Mucous of Patients with Chronic Rhinosinusitis and Allergic Rhinitis, IRB 341-00
16. Production of Cytokines by Lymphocytes from Patients with Non-Allergic Asthma and Chronic Rhinosinusitis in Response to Fungal Antigen In Vitro, IRB 165-00
17. Airway inflammation in asthma: an eosinophilic response to fungal organisms, IRB 1387-99
18. The chemotactic behavior of the eosinophil, and identification of chemokines in patients with AFS, IRB 1294-99.

19. Toxicity of the eosinophil granule proteins to EFRS-specific fungal organisms in vitro, IRB 1156-99.
20. Chronic sinusitis and allergic rhinitis: Histology of the eosinophilic leukocyte, IRB 737-99
21. Allergic fungal sinusitis - medical therapy protocol, IRB 984-97.
22. Prevalence of Fungal Organisms in the nasal cavity of Non-Atopic human hosts, IRB 826-97
23. Allergic Fungal Sinusitis: Clinical Relationships, IRB 79-98

Residents and students mentored in research

Julie Wei, M.D.	1998-1999
Darren McDonald M.D.	1999-2000
David Congdon, M.D.	1999-2000
Matthew Taylor, M.D.	2000-2001
Stacey Hudson, M.D.	2000-2001
Dereck Boahene, M.D.	2001-2002
Larry Burton, M.D.	2001-2002 (2001 Resident Research Award American Rhinologic Society)
Gabe Norgaard	2002
Lance Manning, M.D.	2002-2003
Daniela Hoehn	2003-2004
Jan Sasama, M.D.	2003-2005 (Max-Kade Foundation Fellowship Award)
Tina Ayeni	2004-2005
Shepard Pryor, M.D.	2004-2005
Eileen Dauer, M.D.	2004-2005

University at Buffalo Students

Vy Tran	2006-2007
Peter Revenaugh	2006-2007
Justin Mazillo	2007-2010
Seo Moon	2007-2010
Matt Hershcovitch	2007-2009
Amanda Stapleton	2007-2008
Niv Mor	2007-2009
Janel A. Smietana	2007-2009
Brad Oriel	2009-2011
Jae Y Kim	2010-2011
Kristina Piastro	2011-2012
Canting Guo	2011-2013 (Presentation at ENT Academy and Journal)
Said Ghadersohi	2011-2013 (Presentation at ENT Academy and Journal)
Maheep Sohal	2011-2013
Andrew Zhao	2013-2014
Samual Racette	2014-2017 (Ann Otol Rhinol Laryngol. 2017)
Ellen Tokarz	2014- Manuscript in Preparation
Owen Mayer	2015- Manuscript in Preparation
Derek Spath	2016- Manuscript in Prep Therapeutic Antib.
Aarti Agarwal	2017- Manuscript in Prep Therapeutic Antib.
Kevin Koss	2017- IL-33 project
Matthew Kabalan	2017- IL-33 project

University at Buffalo Residents

Rohan Wijewickrama	2007-2011(3 rd Place Poster price ENT Academy, Annals of Otolaryngology, 2017)
Barry Malin	2007-2011
Ken Deem	2008-2012 (Publication, Journal of Pediatrics)
Elizabeth Sundean	2008-2012
Paul Young	2009-2013
Micah Likness	2009-2013 (Publication, Otolaryngology Head Neck Suergery)

Kyle Yamamoto	2010-2014
Luke Peterson	2010-2014
Andrew Ahn	2011-2016
John Faria	2011-2016

Presentations at national meetings:

1. *Invasive Pilz Sinusitis (Invasive Fungal Sinusitis)*
Ponikau JU, Wolf E., Groden C., Koch U.
Middle Section meeting of the German ENT-Society, Sep 20th, 1995,
Bad Duerkheim, Germany
2. *Chronic sinusitis/polyposis secondary to fungal organisms*
Ponikau JU, Sherris DA, Kasperbauer JL, McCaffrey TV, Gaffey TA, Roberts GD,
Kern EB. 43th Annual Meeting of the American Rhinologic Society, Sep 6th, 1997, San
Francisco, CA
3. *Allergic Fungal Sinusitis: A precise method to diagnose this now common disorder*
Ponikau JU, Sherris DA, McCaffrey TV, Frigas EV, Homberger HH, Roberts GD,
Gaffey TA, Kern EB
The middle Middle Section meeting of the The American Laryngological,
Rhinological and Otological Society aka American Triologic Society, Jan 24th, 1998,
Minneapolis, MN
4. *Immunologic Aspects of Allergic Fungal Sinusitis*
Ponikau JU, Sherris DA, McCaffrey TV, Frigas EV, Homberger HH, Gaffey TA, Kern
EB
American Rhinologic Society at the COSM, May 11th 1998, Palm Beach, Florida
5. *How to successfully diagnose Allergic Fungal Sinusitis (AFS)*
Ponikau JU, Sherris DA, Kern EB, Roberts GD, Gaffey TA, Homberger HH, Frigas E
Presented at the 1999 Middle Section Meeting of the Triologic Society, January 24th,
1999
Milwaukee, WI
6. *Surgical repair of CSF rhinorrhea: The Mayo experience from 1975-95.*
Gassner H, Ponikau JU, Sherris DA, Kern EB.
American Rhinologic Society at the COSM, April 25th 1999, Palm Desert, California
7. *Understanding the cause for chronic rhinosinusitis: A view through the electron
microscope*
Ponikau JU, Sherris DA, Kern EB, Charlesworth JE
American Rhinologic Society at the COSM, April 25th 1999, Palm Desert, California
8. *Chronic Rhinosinusitis and Allergic Rhinitis: The different role of the eosinophil*
Ponikau JU, Sherris DA, Kern EB, Charlesworth JE, Kita H.
45th Annual Meeting of the American Rhinologic Society, Sep 25th, 1999, New
Orleans, Louisiana

9. Extensive Degranulation of Eosinophils in the Mucin of Chronic Rhinosinusitis Patients
Ponikau JU, Sherris DA, Kern EB, Kita H
American Rhinologic Society at the COSM, May 13th, 2001, Palm Desert, California
10. Chronic Rhinosinusitis: A Systemic Immun Reaction Against Fungi
Ponikau JU, Sherris DA, Kern EB, Kita H
72. Annual Meeting of the German Academy of Otorhinolaryngology – Head and neck Surgery
Hamburg, Germany, May 26th, 2001
11. The Fungus, Alternaria, Induces Activation and Degranulation of Human Eosinophils
Inoue Y, Shin S-H, Ponikau JU, Kita H
58th Annual Meeting of the American Academy of Allergy, Asthma and Immunology
New York, NY, March 3rd, 2002
12. Detection of Fungal Organisms in Eosinophilic Mucin Using a Fluorescein Labeled Chitin-Specific Binding Protein.
Taylor MJ, Ponikau. JU, Sherris DA, Kern EB, Gaffey TA, Kephart GM, Kita
Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery
San Diego, California, Sep 23rd 2002
13. Fungal-Specific Immunoglobulin Levels in Nasal Mucus and Peripheral Blood in Patients with Chronic Rhinosinusitis and Healthy Controls
Burton LK, Kita H, Sherris DA, Ponikau JU
Annual Meeting of the American Rhinologic Society (ARS)
(won ARS resident research award)
San Diego, California, Sep 21st 2002
14. Extensive degranulation of eosinophils in the mucin, but not in the tissue, of chronic rhinosinusitis patients
Ponikau JU, Kephart GM, Sherris DA, Kern EB, Kita H
59th Annual Meeting of the American Academy of Allergy, Asthma and Immunology
Denver, CO, March 8th, 2003
15. Treatment of Chronic Rhinosinusitis with Intranasal Amphotericin B: A Prospective Randomized, Placebo-controlled Trial.
Sherris DA, Ponikau JU, Weaver A, Frigas E, Kita H.
60th Annual Meeting of the American Academy of Allergy, Asthma and Immunology
San Francisco, CA, March 22nd, 2004
16. Gene Microarray Analysis of CD4-Positive T Cells in Chronic Rhinosinusitis (CRS)
Davis LJB, Ponikau JU, Sherris DA, Plager DA, Kita H.
60th Annual Meeting of the American Academy of Allergy, Asthma and Immunology
San Francisco, CA, March 22nd, 2004
Abstract in J Allergy Clin Immunol. 2004 Feb;113(2):S332 (Suppl.)
17. An Immunologic Test for Chronic Rhinosinusitis (CRS) Based on Free Intranasal Eosinophilic Major Basic Protein (MBP)
Ponikau JU, Winter LA, Gail M. Kephart GM, Squillace DL, Hershcovitch MD,

Moon S, Sherris DA, Kern EB, Kita H
Annual Meeting of the American Rhinologic Society
Vancouver, British Columbia, September 29th, 2013

Poster Presentations

Eosinophilic fungal rhinosinusitis of the lacrimal sac.

Facer M, Ponikau JU, Sherris DA.

Won 2nd place poster presentation, Triological Society, COSM, Boca Raton, FL, May 12-14, 2002

Presentations at international meetings:

Chronic Rhinosinusitis: An Immune Response To Fungi

Ponikau JU, Sherris DA, Kern EB

3rd Symposium on Exp. Rhinology & Immunology of the Nose (SERIN),
Ghent, Belgium, Nov 14th 1998

Eosinophilic Fungal Sinusitis (EFS) – A new paradigm in the etiology, pathophysiology and therapy of chronic rhinosinusitis and polyposis

Braun, Hofmann, Freudenschuss, Stammberger, Loidolt, Beham, Ginter, Ponikau JU

43. Annual Meeting of the Austrian ENT Society

Rust, Austria, Sep. 14th 1999

Eosinophilic Fungal Rhinosinusitis (EFRS) – From fungus to chronic sinusitis

H. Braun, Th. Hofmann, K. Freudenschuss, W. Buzina, J.U. Ponikau, H. Stammberger

Austrian Medical Association

Graz, Austria, Nov. 11th 1999

Understanding the cause of chronic rhinosinusitis

Ponikau JU, Sherris DA, Kern EB,

19th International Winter Course of Operative Techniques in Otorhinolaryngology

Selva di Val Gardena, Italy, February 20th, 2000

The chemotactic behavior of eosinophils and identification of chemokines in patients with Eosinophilic Fungal Rhinosinusitis (EFRS)

Wei JL, Kita H, Sherris DA, Ponikau JU

The Nose 2000 and Beyond, World Congress of Rhinology, International Rhinologic Society

Washington, DC, USA, Sept. 21, 2000

Antifungal therapy for CRS- Preliminary results.

Sherris DA, Ponikau JU, Kern EB.

The Nose 2000 and Beyond, World Congress of Rhinology, International Rhinologic Society

Washington, DC, USA, Sept. 22, 2000

Concentration of eosinophilic granular proteins in the mucin of patients with chronic rhinosinusitis

Congdon D, Ponikau JU, Kita H, Sherris DA, et al.

The Nose 2000 and Beyond, World Congress of Rhinology, International Rhinologic Society

Washington, DC, USA, Sept. 22, 2000

CSF leaks: The Mayo Clinic series

Gassner H, Ponikau JU, Sherris DA, Kern EB.

Symposium on Surgical Repairs of CSF Leaks

The Nose 2000 and Beyond, World Congress of Rhinology, International Rhinologic Society
Washington, DC, USA, Sept. 22, 2000

Detection of fungi in EFRS using confocal laser microscopy

McDonald D, Ponikau JU, Sherris DA, et al

The Nose 2000 and Beyond, World Congress of Rhinology, International Rhinologic Society
Washington, DC, USA, Sept. 22, 2000

The chemotactic behavior of eosinophils and identification of chemokines in patients with Eosinophilic Fungal Rhinosinusitis (EFRS)

Wei JL, Kita H, Sherris DA, Ponikau JU

International Federation of Oto-rhino-laryngological Societies Consensus Conference on
Nasal Polyposis, Sienna, Italy, October 5-7, 2000

Concentration of IL-5 in the mucin of patients with CRS

Congdon D, Ponikau JU, Sherris DA, et al.

International Federation of Oto-rhino-laryngological Societies Consensus Conference on
Nasal Polyposis
Sienna, Italy, October 5-7, 2000

Extensive Degranulation of Eosinophils in the Mucin of Chronic Rhinosinusitis Patients

Ponikau JU, Sherris DA, Kern EB, Kita H

4th Symposium on Exp. Rhinology & Immunology of the Nose (SERIN),
London, England, February 15th, 2001

Fungal-Specific Immunoglobulin Levels in Nasal Mucus and Peripheral Blood in Patients with Chronic Rhinosinusitis and Healthy Controls

Burton LK, Kita H, Sherris DA, Ponikau JU

International Federation of Otorhinolaryngic Societies (IFOS) World Congress
Egypt, Cairo, Sep 3rd, 2002

Symptoms and Biomarkers in Chronic Rhinosinusitis (CRS)

Wijewickrama RC, Jayaprakash V, Sherris DA, Santos C, Kita H, Ponikau JU

3rd Prize at the Poster Presentation of the Annual Meeting of the American Academy of
Otolaryngology – Head and Neck Surgery, October 4 – 7, 2009, San Diego, CA.

An exploratory trial of Cyclamen europaeum extract for acute rhinosinusitis.

Ponikau JU, Hamilos DL, Barreto A, Cecil J, Jones SW, Manthei SE, Collins J.

Presented at the 24th congress of the European Rhinologic Society and the 31st International
Symposium of Infection and Allergy of the Nose (ISIAN), Toulouse, France June 17-21, 2012

Invited Faculty/Lectureships/Panel Discussions:

1. Understanding the Cause for Chronic Sinusitis: The role of the eosinophil

Ponikau JU, Sherris DA, Gaffey TA, Kern EB

Plenary session about: Nasal Polyposis Understanding Pathophysiology

XIII International Symposium on Infection and Allergy of the Nose (ISIAN) and

Congress of the European Rhinologic Society (ERS) Vienna, Austria, Jul 31st 1998

2. *Pathophysiology and Future Treatment of Chronic Rhinosinusitis*
Ponikau JU, Sherris DA, Kern EB
 Panel discussion of the Rhinology and Paranasal Sinus Committee: New Horizons in the Management of Rhinosinusitis
 Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery
 San Antonio, Texas, Sep 14th 1998
3. *Chronic Rhinosinusitis: A Common Disease Triggered By Fungi*
Ponikau JU, Sherris DA, Kern EB
 Panel discussion on Medical Center Occupational Health
 1998 American College of Occupational and Environmental Medicine (ACOEM) State-of-the-Art Conference (SOTAC)
 Phoenix, Texas, Oct 21th 1998
4. *Chronic sinusitis and allergic fungal sinusitis: Are they one disease?*
 Sherris DA, Ponikau JU, Kern EB.
 Precongress symposium, Pan-American Congress of Otorhinolaryngology -Head and Neck Surgery
 Panama City, Panama, Nov 11-14, 1998.
5. *Chronic Rhinosinusitis: An Immunologic Response to Fungi*
Ponikau JU, Sherris DA, Kern EB
 Twilight Seminar at the XIV International Symposium on Infection and Allergy of the Nose
 Manila, Philippines, Feb 14 – 18, 1999
6. *Allergic Fungal Sinusitis: Is it the most common chronic disease in the United States?*
Ponikau JU, Sherris DA, Kern EB
 Seminar about Fungal Sinusitis at the XIV International Symposium on Infection and Allergy of the Nose (ISIAN)
 Manila, Philippines, Feb 14 – 18, 1999
7. *Will do surgery for food! – The future of sinus surgeons?*
Ponikau JU, Sherris DA, Kern EB
 25th International Scientific Meeting on Functional Endoscopic Sinus Techniques
 Graz, Austria, July 1st-3rd, 1999
8. *The fungal revolution! Forget (almost) everything you ever knew about chronic rhinosinusitis.*
Ponikau JU, Sherris DA, Kern EB
 26th International Scientific Meeting on Functional Endoscopic Sinus Techniques
 Graz, Austria, Sep 2nd-4th, 1999
9. *Overview of Fungal Rhinosinusitis*
Ponikau JU, Sherris DA, Kern EB
 15th Biennial Postgraduate Course in Functional and Aesthetic Nasal Surgery for Residents
 Mayo Clinic, Rochester, USA, December 4-12, 1999

10. *Eosinophilic Fungal Rhinosinusitis – The new paradigm*
Ponikau JU, Sherris DA, Kern EB
 15th Biennial Postgraduate Course in Functional and Aesthetic Nasal Surgery for Residents
 Mayo Clinic, Rochester, USA, December 4-12, 1999
11. *Chronic Rhinosinusitis: An eosinophilic immune reaction to fungi – The new paradigm*
Ponikau JU, Sherris DA, Kern EB
 Keynote speaker at the Martin-Luther-University Halle-Wittenberg
 Halle, Germany, Dec 15th, 1999
12. *Re-evaluating the Role of Fungus in Inflammatory Rhinosinusitis*
Ponikau JU, Sherris DA, Kern EB
 3. Annual Workshop on Rhinosinusitis
 Orford, Quebec, Canada, January 29-30th, 2000
13. *Chronic Rhinosinusitis: An eosinophilic immune reaction to fungi – The new paradigm*
Ponikau JU, Sherris DA, Kern EB
 Annual Canadian Workshop on Rhinosinusitis
 Lake Louise, Alberta, Canada, February 12-13th, 2000
14. *Fungal Cultures...and other methods of diagnosis*
Ponikau JU, Sherris DA, Kern EB
 Symposium on Fungal Sinusitis
 St. Louis, Missouri, April 28th, 2000
15. *The pathophysiology of fungal sinusitis*
Ponikau JU, Sherris DA, Kern EB
 Symposium on Fungal Sinusitis
 St. Louis, Missouri, April 29th, 2000
16. *Sinusitis and the rationale for using nasal steroids*
Ponikau JU
 Respiratory Leadership Forum
 Schering-Plough Research Institute
 Kenilworth, NJ, May 12th, 2000
17. *The “fungal Revolution” – a change of paradigm in chronic rhinosinusitis*
Ponikau JU, Sherris DA, Kern EB
 Symposium on “The fungal revolution in rhino-sinusitis and nasal polyposis”
 4th European Congress of Oto-Rhino-Laryngology, Head Neck Surgery
 Berlin, Germany, May 16th, 2000
18. *Chronic Rhinosinusitis - What is the etiology...and why does it make sense to use steroids?*
Ponikau JU
 Respiratory Leadership Forum
 Schering-Plough Research Institute
 Kenilworth, NJ, June 16th, 2000

19. *The “fungal Revolution” – a change of paradigm in chronic rhinosinusitis*
Ponikau JU, Sherris DA, Kern EB
 Symposium on “Chronic rhinosinusitis – nasal polyposis - sinubronchial syndrome - is there really a common fungal background?”
 XVIII Congress of the European Rhinologic Society and XIX Symposium of Infection and Allergy in the Nose
 Barcelona, Spain, June 26th, 2000

20. *Eosinophilic Fungal Rhinosinusitis (EFRS) - The Concept*
Ponikau JU, Sherris DA, Kern EB
 26th International Scientific Meeting on Functional Endoscopic Sinus Techniques
 Graz, Austria, Sep 5th-7th, 2000

21. *The Fungal Revolution: A Paradigm Change for Chronic Rhinosinusitis/ Polyposis*
Ponikau JU, Sherris DA, Kern EB
 Symposium on Fungi and the upper Respiratory Tract
 44th Annual Meeting of the Austrian Society of Otorhinolaryngology
 Vienna, Austria, Sep 15th, 2000

22. *Antifungal Therapy for Chronic Rhinosinusitis: The First Results*
Ponikau JU, Sherris DA, Kern EB
 Symposium on Fungi and the Upper Respiratory Tract
 44th Annual Meeting of the Austrian Society of Otorhinolaryngology
 Vienna, Austria, Sep 15th, 2000

23. *Chronic Rhinosinusitis: An Immune Response Against Fungi*
Ponikau JU, Sherris DA, Kern EB
 Plenary Session on the Etiology of Chronic Rhinosinusitis
 World Congress of Rhinology of the International Rhinologic Society (IRS)
 Washington, D.C., Sep 22nd, 2000

24. *Nasal Steroids: Mechanism of Action in Chronic Rhinosinusitis*
Ponikau JU, Sherris DA, Kern EB
 Symposium on Topical Steroids
 World Congress of Rhinology of the International Rhinologic Society (IRS)
 Washington, D.C., Sep 22nd, 2000

25. *Current and new understanding of chronic rhinosinusitis*
Ponikau JU
 The nose for the general practitioner
 CME course of the American Rhinologic Society
 Washington, DC, USA, Sept. 22, 2000

26. *Chronic Rhinosinusitis/Polyposis - An Immune Response to Fungi: The Paradigm Shift*
Ponikau JU, Sherris DA, Kern EB
 Plenary Session on New Frontiers
 International Federation of Oto-Rhino-Laryngological Societies (IFOS) Consensus Conference on Nasal Polyposis
 Siena, Italy, Oct. 6th, 2000

27. Chronic Rhinosinusitis - What is the etiology...and why does it make sense to use steroids?
Ponikau JU
Respiratory Leadership Forum
Schering-Plough Research Institute
Kenilworth, NJ, October 13th, 2000
28. Treatment of Allergic Rhinitis using second generation antihistamines: What is up on the horizon?
Ponikau JU, Sherris DA, Kern EB
Annual Meeting of the Minnesota Pharmacist Association (MphA)
Minneapolis, MN, January 20th, 2001
29. Chronic Rhinosinusitis and the Fungal Paradigm: How valid is the story?
Ponikau JU, Sherris DA, Kern EB
Winter Course on Advances in Otorhinolaryngology - Head and Neck Surgery
Sun Valley, ID, Feb 7th, 2001
30. The Fungal Revolution: What is the Evidence?
Ponikau JU, Sherris DA, Kern EB
Dep. of Otorhinolaryngology, University of Zuerich
Zuerich, Switzerland, Feb 9th, 2001
31. Chronic Rhinosinusitis: Evidence for a New Understanding in the Pathophysiology of this common disease
Ponikau JU, Sherris DA, Kern EB
34th Update Seminar in Otorhinolaryngology
Dep. of Otorhinolaryngology, University of Erlangen
Erlangen, Germany, Feb 17th, 2001
32. New Concepts for the diagnosis of Eosinophilic Fungal Rhinosinusitis (EFRS)
Ponikau JU, Sherris DA, Kern EB
10th Advanced Endoscopic Sinus Surgery Course
Bogota, Columbia, February 21, 2001
33. New Concepts on the Pathophysiology of Chronic Rhinosinusitis: An Immune Response to Fungi?
Ponikau JU, Sherris DA, Kern EB
10th Advanced Endoscopic Sinus Surgery Course
Bogota, Columbia, February 21, 2001
34. The Diagnosis of Eosinophilic Fungal Rhinosinusitis (EFRS)
Ponikau JU, Sherris DA, Kern EB
Rhinologic Surgery Course
Dep. of Otorhinolaryngology, Central Military Hospital
Ruzomberok, Slovak Republic, Feb 26 – 28, 2001
35. New Concepts on the Pathophysiology of Chronic Rhinosinusitis: An Immune Response to Fungi?
Ponikau JU, Sherris DA, Kern EB
Rhinologic Surgery Course
Dep. of Otorhinolaryngology, Central Military Hospital

Ruzomberok, Slovak Republic, Feb 26 – 28, 2001

36. *Chronic Rhinosinusitis: How much Truth is in the Fungal Paradigm?*
Ponikau JU, Sherris DA, Kern EB
8th Course on Functional Endoscopic Sinus Surgery
University of Jena
Jena, Germany, March 17th, 2001
37. *The War Of Our Immune System Against The Fungi*
Ponikau JU, Sherris DA, Kern EB, Kita H
Medical Grand Rounds
Mayo Clinic Scottsdale
Scottsdale, AZ, April 20th, 2001
38. *The War Of Our Immune System Against The Fungi*
Ponikau JU, Sherris DA, Kern EB, Kita H
Arizona Society of Otorhinolaryngology Spring Meeting
Scottsdale, AZ, April 21st, 2001
39. *Chronic Rhinosinusitis – It is a war against fungi.....and not only the nose is the battlefield!*
Ponikau JU, Sherris DA, Kern EB, Kita H
4th Annual Workshop in Rhinosinusitis
Whistler, British Columbia, Canada, May 5, 2001
40. *Eosinophilic Reaction to Fungi-A Neglected Etiology of Chronic Rhinosinusitis and Nasal Polyposis*
Ponikau JU, Sherris DA, Kern EB, Kita H
Symposium on “Chronic Rhinosinusitis/Polyposis – 100% of Fungal Origin?”
XX International Symposium of Infection and Allergy of the NOSE
Yaroslavl, Russia, June 4-7, 2001
41. *Chronic Rhinosinusitis: The war against the fungi*
Ponikau JU, Sherris DA, Kern EB, Kita H
Symposium and Panel “The Role of Fungal Disease in Chronic Rhinosinusitis”
60th Annual Meeting of the American Academy of Otolaryngic Allergy
Denver, Colorado, September 7th, 2001
42. *Fungus or not Fungus? Fungus!*
Ponikau JU, Sherris DA, Kern EB, Kita H
Panel Discussion on “Fungus or Not Fungus” in Chronic Rhinosinusitis
47th Annual Scientific Meeting of the American Rhinologic Society
Denver, Colorado, September 8th, 2001
43. *Chronic Rhinosinusitis: The fight of our immune system against the fungi*
Ponikau JU
International Workshop on Chronic Rhinosinusitis
Frankfurt, Germany, November 17th, 2001
44. *The look in the future: The association between chronic rhinosinusitis and asthma*
Ponikau JU
International Workshop on Chronic Rhinosinusitis

Frankfurt, Germany, November 17th, 2001

45. *EFRS: Paradigm Shift in Chronic Rhinosinusitis*
Ponikau JU
The 4th International Mainz Workshops
Mainz, Germany, November 20th, 2001
46. *Treatment Options for Allergic Rhinitis: Anything new?*
Ponikau JU
Annual Convention of the Philippine Society of Otolaryngology-Head and Neck Surgery
Iloilo City, Philippines, December 2rd, 2001
47. *Chronic Rhinosinusitis and Asthma: Is it one disease?*
Ponikau JU
Annual Convention of the Philippine Society of Otolaryngology-Head and Neck Surgery
Iloilo City, Philippines, December 3rd, 2001
48. *Nasal Steroids: Should they be used in Chronic Rhinosinusitis*
Ponikau JU
Annual Convention of the Philippine Society of Otolaryngology-Head and Neck Surgery
Iloilo City, Philippines, December 3rd, 2001
49. *Chronic Rhinosinusitis: "The War of Our Immune System Against the Fungi"*
Ponikau JU, Sherris DA, Kern EB
9th Annual Innovations in Otorhinolaryngology - Head and Neck Surgery,
Louisiana State University
Sun Valley, ID, February 26th, 2002
50. *Chronic Rhinosinusitis and Asthma: "The Potential Link"*
Ponikau JU, Sherris DA, Kern EB
9th Annual Innovations in Otorhinolaryngology - Head and Neck Surgery, Louisiana
State University
Sun Valley, ID, March 1st, 2002
51. *Panel Discussion, Rhino Sinus Panel*
9th Annual Innovations in Otorhinolaryngology - Head and Neck Surgery
Louisiana State University
Sun Valley, ID, March 1st, 2002
52. *Chronic Rhinosinusitis: The War of the Immune System against the Fungi*
Ponikau JU, Sherris DA, Kern EB
2nd International Update Course in Otolaryngology of the University of Pennsylvania
Cayman Brac, B.W.I., April 3rd, 2002
53. *Chronic Rhinosinusitis and Asthma: The Potential Link*
Ponikau JU, Sherris DA, Kern EB
2nd International Update Course in Otolaryngology of the University of Pennsylvania
Cayman Brac, B.W.I., April 3rd, 2002

54. Panel Discussion on the Role of Fungi in Chronic Rhinosinusitis
2nd International Update Course in Otolaryngology of the University of Pennsylvania
Cayman Brac, B.W.I., April 3rd, 2002
55. Nasal Steroids: How do they work in Chronic Rhinosinusitis?
Ponikau JU
2nd International Update Course in Otolaryngology of the University of Pennsylvania
Cayman Brac, B.W.I., April 6th, 2002
56. The role of Fungi in the Pathophysiology of Chronic Rhinosinusitis
Ponikau JU, Sherris DA, Kern EB
“New York Rhinology and Sleep Disordered Breathing Update” of the New York
University
New York, New York, April 19th, 2002
57. Is the Inflammation in Nasal Polyposis an Immunologic Reaction to Fungi?
Ponikau JU, Sherris DA, Kern EB
Plenary Session on Pathophysiology of Nasal Polyposis
International Federation of Oto-Rhino-Laryngological Societies (IFOS) Consensus
Conference on Nasal Polyposis
Zagreb, Croatia, May 3rd, 2002
58. Chronic Rhinosinusitis due to fungal organisms
ENT Update, Charite Hospital Berlin
Berlin, Germany, June 3rd, 2002
59. Intranasal corticosteroids in the treatment of rhinosinusitis
28th Congress of the Nordisch-Scandinavian ENT Association
Stockholm, Sweden, June 7th, 2002
60. Chronic Rhinosinusitis and Asthma: Is it a hypersensitivity against common
environmental fungi?
Mayo Medical Grand Rounds, Mayo Clinic
Rochester, Minnesota, July 10, 2002
61. Chronic Rhinosinusitis: The war of the immune system against the fungi.
29. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 12, 2002
62. Cortisone Therapy – Who? When? How? How long?
29. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 13, 2002
63. Antimycotic therapy: Techniques and first results
29. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 13, 2002
64. Allergic Fungal Sinusitis
Conference of Multidisciplinary Management of Sinus Disease
Seattle, Washington August 2, 2002
65. Asthma and Sinus Disease

Conference of Multidisciplinary Management of Sinus Disease
Seattle, Washington August 2, 2002

66. Sinusitis: Inflammation or fungal infection - What does really help
Rheingau meeting: Allergy and Environmental Medicine
University of Cologne
Cologne, Germany, August 24, 2002
67. Chronic Rhinosinusitis: The war of the immune system against the fungi.
30. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 6, 2002
68. Steroids in chronic rhinosinusitis - How do they work?
30. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 7, 2002
69. The role of fungi in chronic rhinosinusitis
Lunch Symposium on the role of fungi in chronic rhinosinusitis
61st Annual Meeting of the American Academy of Otolaryngic Allergy
San Diego, CA, September 21, 2002
70. Nasal Polyposis: Fungus induced eosinophilic inflammation
Symposium on etiology and the treatment of nasal polyps
International Federation of Otorhinolaryngic Societies (IFOS) World Congress
Egypt, Cairo, Sep 30th, 2002
71. Eosinophilic Fungal Rhinosinusitis
Symposium on Eosinophilic Fungal Rhinosinusitis
International Federation of Otorhinolaryngic Societies (IFOS) World Congress
Egypt, Cairo, Oct 1st, 2002
72. Allergic Fungal Sinusitis
Current Topics in Allergy and Clinical Immunology
Iowa Hospitals and Clinics
Iowa City, Iowa, September 18th, 2002
73. The Role of Fungi in Chronic Rhinosinusitis and Asthma
University of Leuven
Leuven, Belgium, January 6th, 2003
74. The Pathophysiology of Fungal Rhinosinusitis
Panel Discussion on Fungal Rhinosinusitis
Annual Middle Section Meeting of the Triologic Society
Indianapolis, IN, January 18th, 2003
75. Sinus Panel at the 27th Midwinter Symposium on practical Surgical Challenges in Otolaryngology
University of Illinois at Chicago College of Medicine
Snowmass Village, Colorado Feb 19th, 2003
76. Update on the Role of Fungi in Chronic Rhinosinusitis
10th Annual Innovations in Otorhinolaryngology - Head and Neck Surgery

Louisiana State University
Sun Valley, ID, Feb 24th, 2003

77. Steroids in Chronic Sinusitis – How Do They Work?
10th Annual Innovations in Otorhinolaryngology - Head and Neck Surgery
Louisiana State University
Sun Valley, ID, Feb 24th, 2003
78. Pathophysiology of Allergic Fungal Sinusitis
Symposium on Allergic Fungal Sinusitis
5th Meeting of the Gulf Cooperation Council of Otorhinolaryngological Head & Neck Society
Dubai, United Arab Emirates, March 4th, 2003
79. Chronic Rhinosinusitis : How a misled immune system fights a war against Fungi
Breakfast Seminar on Advances in Rhinology
5th Meeting of the Gulf Cooperation Council of Otorhinolaryngological Head & Neck Society
Dubai, United Arab Emirates, March 5th, 2003
80. Medical Treatment of Nasal Polyposis
Session on Treatment of Nasal Polyposis
5th Meeting of the Gulf Cooperation Council of Otorhinolaryngological Head & Neck Society
Dubai, United Arab Emirates, March 5th, 2003
81. The Novel Role for Fungi in the Etiology of chronic Rhinosinusitis and Asthma: What is the Beef?
New York University
New York, New York, April 10th, 2003
82. The novel Role of Fungi in the Pathophysiology of Chronic Rhinosinusitis
Ponikau JU, Sherris DA, Kern EB
2nd New York Rhinology and Sleep Disorder Breathing Update of the New York University
Plenary Session on the Etiology of chronic Rhinosinusitis
New York, New York, April 11th, 2003
83. Chronic Sinusitis and the Fungi: How Valid is the Story
Advanced Endoscopic Sinus Surgery Cornell University
New York, New York, April 18, 2003
84. Sinusitis and Asthma: The Potential Link
Advanced Endoscopic Sinus Surgery Cornell University
New York, New York, April 19, 2003
85. Chronic Inflammation of the Upper Airways: The war of the immune system against the fungi.
31. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 05, 2003

86. Nasal Steroids - How can they work in chronic rhinosinusitis?
31. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 06, 2003
87. Chronic Rhinosinusitis: The war of the immune system against the fungi.
Medical Grand Rounds, St. Vincent Hospital
Erie, PA, September 12, 2003
88. New Insights into Chronic Sinusitis with a New Treatment Approach
Minnesota Society of Health-System Pharmacists
Owatonna, MN, September 19th, 2003
89. Chronic Rhinosinusitis: What induces the inflammation? Viruses, Bacteria, Fungi?
2nd Annual CME Dinner Symposium "The Inflammatory Pathway in Chronic
Rhinosinusitis Pathophysiology: Present and Future Therapeutic Considerations"
Annual Meeting of the American Rhinologic Society
Orlando, FL, September 20th, 2003
90. Chronic Rhinosinusitis: The war of the immune system against the fungi.
Ft. Lauderdale Chapter of the American Indoor Air Quality Council
Ft. Lauderdale, FL, September 25th, 2003
91. Chronic Rhinosinusitis: Is it all Fungi?
Mayo Alumni Meeting
Scottsdale, AZ, October 4th, 2003
92. Fungus is among us: The CRS findings
Rhinofest 2003: The 17th Biennial Comprehensive Course in Rhinology
Mayo Clinic, Rochester, MN, October 9-12, 2003
93. Chronic Hyperplastic Eosinophilic Rhinosinusitis - What if there is a reason behind
the inflammation?
Workshop on Chronic Hyperplastic Eosinophilic Rhinosinusitis
American College of Allergy, Asthma and Immunology
New Orleans, LA, November 09, 2003
94. Sinus Panel at the 28th Midwinter Symposium on practical Surgical Challenges in
Otolaryngology
University of Illinois at Chicago College of Medicine
Snowmass Village, Colorado Feb 17th, 2004
95. Update on the Role of Fungus in Chronic Rhinosinusitis
11th Annual Innovations in Otorhinolaryngology - Head and Neck Surgery
Louisiana State University
Sun Valley, ID, Feb 23rd, 2004
96. Antifungal Therapy for Chronic Rhinosinusitis: How does it work?
11th Annual Innovations in Otorhinolaryngology - Head and Neck Surgery
Louisiana State University
Sun Valley, ID, Feb 24th, 2004
97. Chronic Hyperplastic Fungal Sinusitis: Relevance of Inhaled Environmental Fungi

Symposium on Chronic Sinusitis
American Academy of Allergy, Asthma and Immunology Annual Meeting
San Francisco, CA, March 22nd, 2004

98. Chronic rhinosinusitis/polyposis: an insight into the immuno response to fungi.
3rd International Consensus Conference of Nasal Polyposis
Brussels, Belgium April 23, 2004
99. Antifungal therapy: how does it work?
3rd International Consensus Conference of Nasal Polyposis
Brussels, Belgium April 24, 2004
100. An Update on Fungal Rhinosinusitis
Tennessee Society of Otorhinolaryngology
Memphis, TN, May 6, 2004
101. Eosinophils in chronic rhinosinusitis: The killing machinery against the fungi
Plenary session on the pathophysiology of chronic rhinosinusitis
XX. Meeting of the European Rhinologic Society (ERS) and XXIII. International
Symposium on Infection and Allergy of the Nose (ISIAN)
Istanbul, Turkey, June 21st, 2006
102. Chronic Inflammation of the Upper Airways: The war of the immune system
against the fungi.
32. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 05, 2004
103. Nasal Steroids - How can they work in chronic rhinosinusitis?
32. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 07, 2004
104. Chronic Inflammation of the Upper Airways: The war of the immune system
against the fungi.
33. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 02, 2004
105. Nasal Steroids - How can they work in chronic rhinosinusitis?
33. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 04, 2004
106. Chronic Rhinosinusitis and Asthma: What is the link
33. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 04, 2004
107. The Immunology behind Fungus induced Chronic Rhinosinusitis
Round table symposium on Fungal diseases of the Sinuses
5th European Congress of Oto-Rhino-Laryngology - Head and Neck Surgery
Rhodos, Greece September 15th, 2004
108. Evidence for a Role of Fungi in CRS: What is the beef?
Moderated Panel - Great Debate "The Role of Fungi and Bacteria in CRS"
50th Annual Meeting of the American Rhinologic Society

September 18th, 2004, New York, NY

109. Chronic Rhinosinusitis: An Update on Etiology and Treatment
Mayo Clinic Clinical Reviews 2004
November 10th, 2004, Rochester, MN
110. Immune Inflammatory Responses and Epithelial Remodeling in Rhinosinusitis
Plenary Session on “Immune Inflammatory Responses in Allergic Rhinitis and Comorbid Conditions: Clinical Implications”
American College of Allergy, Asthma & Immunology (ACAAI) 2004 Annual Meeting
Boston , MA, November 12, 2004
111. Chronic Rhinosinusitis: The War of the Eosinophils against the Fungi
Texan Society of Otorhinolaryngology Annual Meeting, January 14th, 2005, Dallas,
Tx
112. Controversies in Allergy Practice: Chronic Rhinosinusitis – Relevance of Inhaled Environmental Fungi
Western Society of Allergy, Asthma and Immunology Annual Meeting 43rd Annual Meeting, January 27th 2005, Kauai, Hawaii
113. Interactive Panel on Rhinosinusitis
Western Society of Allergy, Asthma and Immunology Annual Meeting 43rd Annual Meeting, January 27th 2005, Kauai, Hawaii
114. Antifungal Therapy for Chronic Rhinosinusitis: What we have learned so far?
12th Annual Innovations in Otorhinolaryngology - Head and Neck Surgery
Louisiana State University
Sun Valley, ID, Feb 12th, 2005
115. CRS and Asthma: The Link
12th Annual Innovations in Otorhinolaryngology - Head and Neck Surgery
Louisiana State University
Sun Valley, ID, Feb 12th, 2005
116. Chronic Rhinosinusitis: The war of the eosinophil against the fungi
Southamerican Course on Endoscopic Sinus Surgery
Bogota, Columbia, Feb 14th, 2005
117. Intranasal antifungal treatment for chronic rhinosinusitis
Southamerican Course on Endoscopic Sinus Surgery
Bogota, Columbia, Feb 15th, 2005
118. Sinus Panel at the 29th Midwinter Symposium on practical Surgical Challenges in Otolaryngology
University of Illinois at Chicago College of Medicine
Snowmass Village, Colorado Feb 24th, 2005
119. Chronic rhinosinusitis: Is it all about fungus?
Pro and Con Symposium on the role of fungi in chronic rhinosinusitis
American Academy of Allergy, Asthma and Immunology Annual Meeting

San Antonio, Texas, March 20th, 2005

120. Chronic Rhinosinusitis: The war of the eosinophil against the fungi
International symposium of infection and allergy in the nose (ISIAN)
XXIV. Sao Paulo, Brazil, April 22nd, 2005
121. Evidence for a Role of fungi in CRS: What is the beef?
The Great Debate Plenary Session
XXIV. International symposium of infection and allergy in the nose (ISIAN)
Sao Paulo, Brazil, April 23rd, 2005
122. Chronic Rhinosinusitis: An Update on Etiology and Treatment
Mayo Clinic Dental Reviews 2005
May 14th, 2005, Rochester, MN
123. Chronic Rhinosinusitis: An Immune Response to Fungi
Symposium on the Pathophysiology of Chronic Rhinosinusitis
XVIII World Congress of the International Federation of Oto-rhino-laryngological
Societies (IFOS)
Rome, Italy, June 28th, 2005
124. Chronic Inflammation of the Upper Airways: The war of the immune system
against the fungi.
34. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 8th, 2005
125. Nasal Steroids - How can they work in chronic rhinosinusitis?
34. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 9th, 2005
126. Defining acute, recurrent acute and chronic rhinosinusitis:
What are we talking about?
18th Biennial Rhinofest, Advances in Endoscopic Sinus Surgery, Facial Plastic Surgery
and Rhinology
Rochester, MN Aug 17th, 2005
127. Immunological aspects of chronic rhinosinusitis: A response to fungi
18th Biennial Rhinofest, Advances in Endoscopic Sinus Surgery, Facial Plastic Surgery
and Rhinology
Rochester, MN Aug 19th, 2005
128. Chronic Sinusitis - Polyposis: The war of the immune system against fungi.
35. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 9th, 2005
129. Cortisone Therapy – Why and how do they work?
35. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 10th, 2005
130. Antifungal Therapy
35. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 10th, 2005

131. Chronic Rhinosinusitis: The endless fight of the eosinophils against the fungi
1st Aachen Symposium on new concepts in Otorhinolaryngology
Technical University of Aachen, Germany, Sep. 21st, 2005
132. Chronic Rhinosinunstitis and Asthma: An immune response directed against extramucosal fungi.
Symposium on “Chronic Rhinosinusitis and fungi: Where are we today?”
49. Annual Meeting of the Austrian ENT Society
Salzburg, Austria, Sep. 22nd, 2005
133. Chronic Rhinosinusitis: The War of the Eosinophils against the Fungi
Mini Seminar of the Infectious Disease Committee: Controversies in Chronic Sinusitis
Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery
Los Angeles, CA, Sep 27th, 2005
134. Chronic Rhinosinusitis and the Role of Fungus: What is the evidence?
Featured Speaker at the American Society of Ophthalmic Plastic and Reconstructive Surgery 35th Annual Symposium
Chicago, Illinois, October 15th, 2005
135. The Aetiology of Chronic Rhinosinusitis - Bacterial or Fungal
Plenary Session: Controversies in Rhinology at the 11th World Congress of the International Rhinologic Society
Sydney, Australia, October 26th, 2005
136. The role of Fungus in Nasal Mucosa Immune Responses in Chronic Rhinosinusitis
Instructional Session at the 11th World Congress of the International Rhinologic Society
Sydney, Australia, October 27th, 2005
137. The role of inflammation in chronic rhinosinusitis: The fungal hypothesis
6th International Symposium on Experimental Rhinology and Immunology of the Nose (SERIN)
Barcelona, Spain, Feb 10th, 2006
138. Chronic Rhinosinusitis: The War of the Eosinophils against the Fungi
Invited Speaker of the Louisville ENT Society
Louisville, Kentucky, Feb 13th, 2006
139. Is there a role for antifungal therapy in chronic rhinosinusitis?
30th Midwinter Anniversary Symposium on practical Surgical Challenges in Otolaryngology
University of Illinois at Chicago College of Medicine
Snowmass Village, Colorado Feb 20th, 2006
140. The Asthma Link: Are CRS and Asthma the same Disease?
30th Midwinter Anniversary Symposium on practical Surgical Challenges in Otolaryngology
University of Illinois at Chicago College of Medicine

Snowmass Village, Colorado Feb 20th, 2006

141. Sinus Panel at the 30th Midwinter Symposium on practical Surgical Challenges in Otolaryngology
University of Illinois at Chicago College of Medicine
Snowmass Village, Colorado Feb 20th, 2006
142. New Aspects in the role of fungi in chronic rhinosinusitis
2nd International Workshop on Endo-nasal sinus surgery
Mainz, Germany, March 3rd 2006
143. Mechanism of Chronic Rhinosinusitis: Fungal and Staphylococcal Involvement
Seminar at the American Academy of Allergy, Asthma and Immunology Annual Meeting
Miami, Florida, March 5th, 2006
144. Chronic Rhinosinusitis/Polyposis: The War of the Immune System against the Fungi
10th Annual Innsbruck Allergy Talks
Innsbruck Austria, March 25th, 2006
145. Chronic Rhinosinusitis: The War of the Eosinophils against the Fungi
Invited Speaker of the Houston ENT Society
Houston, TX, April 27th, 2006
146. New Aspects in the Role of Fungi in Chronic Rhinosinusitis
77th Annual Meeting of the German ENT Society and 5th Annual Meeting of the German Academy of Otorhinolaryngology
Mannheim, Germany, May 25th, 2006
147. Chronic Rhinosinusitis: The War of the Eosinophils against the Fungi
Frontiers in Otorhinolaryngology 2006
The Garnett Passe and Rodney Williams Memorial Foundation
Queensland, Australia, July 27th 2006
148. Where will we go? Novel treatment strategies for chronic rhinosinusitis
Frontiers in Otorhinolaryngology 2006
The Garnett Passe and Rodney Williams Memorial Foundation
Queensland, Australia, July 28th 2006
149. Eosinophils in Chronic Rhinosinusitis: The Killers targeting Fungi
36. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 8th, 2006
150. Nasal Steroids in Chronic Rhinosinusitis: Mechanisms of Action
36. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 9th, 2006
151. Chronic Rhinosinusitis: The War of the Immune System against the Fungi
Course of Advanced Endoscopic Sinus Surgery at the Cornell University
New York, New York, November 10, 2006

152. *An Immune Response to Fungi in Chronic Rhinosinusitis: The new Paradigm*
Toledo ENT Society
Toledo, Ohio, Sep 25th, 2006
153. *The Role of Fungi in the Pathophysiology of chronic Rhinosinusitis*
Plenary Session of the American Rhinologic Society at the 26th International
Symposium on Infection and Allergy of the Nose (ISIAN)
Kuala Lumpur, Malaysia, Feb 2nd, 2007
154. *How do Molds play a Role in Chronic Rhinosinusitis? What is the New
Treatment?*
Symposium at the 26th International Symposium on Infection and Allergy of the Nose
(ISIAN)
Kuala Lumpur, Malaysia, Feb 3rd, 2007
155. *Invasive Fungal Sinusitis: The other Spectrum*
Instructional Course at the 26th International Symposium on Infection and Allergy of
the Nose (ISIAN)
Kuala Lumpur, Malaysia, Feb 3rd, 2007
156. *Update on the Fungal Etiology of Chronic Rhinosinusitis*
31st Midwinter Anniversary Symposium on practical Surgical Challenges in
Otolaryngology
University of Illinois at Chicago College of Medicine
Snowmass Village, Colorado Feb 19th, 2007
157. *Corticosteroids: How can they work in Chronic Rhinosinusitis?*
31st Midwinter Anniversary Symposium on practical Surgical Challenges in
Otolaryngology
University of Illinois at Chicago College of Medicine
Snowmass Village, Colorado Feb 19th, 2007
158. *An Update on the Role of Fungi in Chronic Rhinosinusitis*
Symposium Workshop on Chronic Sinus Disease
Annual Meeting of the American Academy of Allergy, Asthma & Immunology
San Diego, California, February 27th 2007
159. *Chronic Rhinosinusitis and the Fungal Revolution*
3rd International Workshop on Micro- and Endoscopic Sinus Surgery
University of Mainz
Mainz, Germany, March 3rd 2007
160. *Call it what it is: Fungal Sinusitis*
Florida Atlantic University & The Indoor Air Quality Association
Fort Lauderdale, Florida, March 7th 2007
161. *Chronic Rhinosinusitis: An Eosinophilic Disease Targeting Extramucosal
Fungi*
Guangdong International Congress of Otolaryngology/ Head & Neck Surgery,
Guangzhou, China, June 16, 2007
162. *EFRS: What is new?*

Plenary Session on *Fungal Diseases of the Sinuses*
6th European Congress of Oto-Rhino-Laryngology, Head and Neck Surgery
Vienna, Austria July 2rd, 2007

163. *Antifungal Treatment of chronic rhinosinusitis*
Plenary Session “News on Nasal Polyposis”
6th European Congress of Oto-Rhino-Laryngology, Head and Neck Surgery
Vienna, Austria July 3rd, 2007
164. *How do Steroids work?*
38. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 6th, 2007
165. *Chronic Inflammation of the upper Airways: The War of the Immune System Against the Fungi?*
38. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 7th, 2007
166. *Antifungals in CRS: What works and what does not work?*
38. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 6th, 2007
167. *An Update on Antifungal Therapy in Chronic Rhinosinusitis*
Symposium about the Use of Nebulized Medication in the Treatment of Chronic Rhinosinusitis,
53rd Annual Meeting of the American Rhinologic Society, September 16, 2007,
Washington D.C.
168. *Allergy and Mucin Secretion in upper Airway Mucosa*
KyungHee International Rhinologic Symposium, November 10, 2007
Seoul, Korea
169. *Nasal Steroids: How can they work in chronic rhinosinusitis*
KyungHee International Rhinologic Symposium, November 10, 2007
Seoul, Korea
170. *Chronic Rhinosinusitis: An immune response to fungi?*
International Workshop on Fungal Sinusitis, Chandigarh, India, February 10, 2008
171. *The role of antifungals in the treatment of CRS*
International Workshop on Fungal Sinusitis
Chandigarh, India, February 11, 2008
172. *An Update on the Role of Fungi in Chronic Rhinosinusitis*
4th International Workshop on Micro- and Endoscopic Sinus Surgery
University of Mainz, Germany, February 22nd, 2008
173. *Corticosteroids: How can they work in Chronic Rhinosinusitis*
4th International Workshop on Micro- and Endoscopic Sinus Surgery
University of Mainz, Germany, February 22nd, 2008

174. The Asthma Link: Are CRS and Asthma the same Disease
4th International Workshop on Micro- and Endoscopic Sinus Surgery
University of Mainz, Germany, February 22nd, 2008
175. CRS and Fungi: What is special about Alternaria?
Symposium on Fungal Rhinosinusitis
The 22nd Congress of the European Rhinologic Society & 27th International
Symposium of Infection & Allergy of the Nose (ERS & ISIAN 2008)
Crete, Greece, June 16, 2008
176. The role of IgE mediated Allergies and Asperin-Intolerance in Chronic
Rhinosinusitis and Polyposis?
39. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 3rd, 2008
177. Mechanism of Action of Nasal Steroids
39. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 3rd, 2008
178. Chronic Rhinosinusitis: The War of the Immune System against the Fungi
39. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 4th, 2008
179. The role of IgE mediated Allergies and Asperin-Intolerance in Chronic
Rhinosinusitis and Polyposis?
40. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 11th, 2008
180. Mechanism of Action of Nasal Steroids
40. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 11th, 2008
181. The Role of Fungi in CRS: An (Alternaria) Update
40. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 12th, 2008
182. The role of fungi in the pathophysiology of chronic rhinosinusitis
Plenary Session
1. Middle Eastern Rhinology Congress (MERC)
Teheran, Iran, November 4, 2008
183. The link of CRS to Asthma (common histopathology and pathophysiology)
Plenary Session
1. Middle Eastern Rhinology Congress (MERC)
Teheran, Iran, November 5, 2008
184. The Role of Antifungal Therapy in Chronic Rhinosinusitis: Pro and Con
Symposium on Upper Airway Inflammation
Annual Meeting of the American College of Allergy, Asthma and Immunology
Seattle, Washington, Nov 8th, 2008
185. The Role of Fungi in the Pathophysiology of chronic Rhinosinusitis

- 11th Annual Milan Allergy Conference (DAM)
Milan, Italy, Oct 12-15, 2008
186. How to explain nasal polyposis with the fungal allergic rhinosinusitis concept?
 Diagnostic and Treatment Implications
Plenary Session on the Etiology of Rhinosinusitis and Nasal Polyps
1st International Expertise on Specific Rhinologic Topics
Nancy, France, Dec 1-3, 2008
187. Animal Model for Fungus induced Eosinophilic Airway Inflammation
16th Annual Innovations in Otorhinolaryngology - Head and Neck Surgery
Louisiana State University, Sun Valley, Idaho, Feb 12, 2009
188. Nasal Steroids: The Good, The Bad and The Ugly...
16th Annual Innovations in Otorhinolaryngology - Head and Neck Surgery
Louisiana State University, Sun Valley, Idaho, Feb 12, 2009
189. New evidence for a fungal etiology in chronic rhinosinusitis
16th Annual Innovations in Otorhinolaryngology - Head and Neck Surgery
Louisiana State University, Sun Valley, Idaho, Feb 12, 2009
190. The link between fungi and asthma
16th Annual Innovations in Otorhinolaryngology - Head and Neck Surgery
Louisiana State University, Sun Valley, Idaho, Feb 13, 2009
191. Update Chronic Rhinosinusitis: An Immune Reaction to Molds
Friedrichshain Clinic of the Charite University Hospital
Berlin, Germany, March 4th, 2009
192. The Great Debate: Fungus versus Bacteria
Plenary session at the Rhinology World Congress, International Rhinologic Society
Philadelphia, USA, April 15-19, 2009
193. Fungi (Alternaria) as an immunological trigger for chronic rhinosinusitis
 (CRS)
Symposium on Fungal Rhinosinusitis
17th Congress of the International Society for Human and Animal Mycology
(ISHAM)
May 26, 2009, Tokyo, Japan
194. Animal model for fungus induced eosinophilic aiway inflammation
5th International Consensus Conference of Nasal Polyposis
May 29th, 2009, Antalya, Turkey, 2009
195. Hunting down the culprit: The search for the Alternaria antigen
5th International Consensus Conference of Nasal Polyposis
May 29th, 2009, Antalya, Turkey, 2009
196. The asthma link: Are CRS and Asthma the same disease?
5th International Consensus Conference of Nasal Polyposis
May 29th, 2009, Antalya, Turkey, 2009

197. Current Stage of Antifungal Therapie: What do we learn from the trials?
5th International Consensus Conference of Nasal Polyposis
May 30th, 2009, Antalya, Turkey, 2009
198. The safety margins of nasal steroids in CRS
5th International Consensus Conference of Nasal Polyposis
May 30th, 2009, Antalya, Turkey, 2009
199. An update on the immune response to fungi in CRS
Symposium on chronic rhinosinusitis/nasal polyposis
1. European Academy of Otorhinolaryngology – Head and Neck Surgery
June 29th, 2009, Mannheim, Germany
200. The role of IgE mediated Allergies and Asperin-Intolerance in Chronic Rhinosinusitis and Polyposis?
41. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 3rd, 2009
201. Mechanism of Action of Nasal Steroids
41. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 3rd, 2009
202. Chronic Rhinosinusitis: The War of the Immune System against the Fungi
41. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 4th, 2009
203. Eosinophils in Chronic (Rhino)sinusitis: The Killing Machinery against the Fungi
6th Symposium of the International Eosinophilic Society
Bruges, Belgium, July 8th, 2009
204. Fungi as a cause of CRS: What is new?
2nd International Congress of the Iranian Rhinologic Society
October 13, 2009, Teheran, Iran
205. How can I make antifungal therapy work in CRS?
2nd International Congress of the Iranian Rhinologic Society
October 15, 2009, Teheran, Iran
206. Mechanism of action of nasal steroids in CRS
2nd International Congress of the Iranian Rhinologic Society
October 13, 2009, Teheran, Iran
207. The pitfalls of antifungal treatment in CRS
1st International Workshop on Functional Endoscopic Sinus Techniques
Trichi, India , April 10th 2010
208. An update on the role of fungi in CRS: Diagnostic Methods
1st International Workshop on Functional Endoscopic Sinus Techniques
Trichi, India , April 10th 2010
209. Treatment of CRS with nasal steroids

1st International Workshop on Functional Endoscopic Sinus Techniques
Trichi, India , April 10th 2010

210. *The role of IgE mediated Allergies and Asperin-Intolerance in Chronic Rhinosinusitis and Polyposis?*
43. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 8th, 2010
211. *Mechanism of Action of Nasal Steroids*
43. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 8th, 2010
212. *Chronic Rhinosinusitis: The War of the Immune System against the Fungi*
43. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 9th, 2010
213. *The role of IgE mediated Allergies and Asperin-Intolerance in Chronic Rhinosinusitis and Polyposis?*
46. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 2th, 2011
214. *Mechanism of Action of Nasal Steroids*
46. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 2nd, 2011
215. *Chronic Rhinosinusitis: The War of the Immune System against the Fungi*
46. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 3rd, 2011
216. Update on the Role of Fungi in Chronic Rhinosinusitis / Nasal Polyposis
Keynote Lecture at the International Consensus Conference on Nasal Polyposis
Kiev, Ukraine, Sep 26, 2011
217. What we have learned from Antifungal trials, and the way forward.
Keynote Lecture at the International Consensus Conference on Nasal Polyposis
Kiev, Ukraine, Sep 27, 2011
218. The Fungal Background of CRS: State of the Art 2012
Session on Fungal Diseases
5th World Congress for Endoscopic Surgery of the Brain, Skull Base and Spine and 1st
Global Update on FESS, Vienna Austria Mar 29 2012
219. CRS: How do steroids work
Plenary Session on Avoidance of Revision Surgery for eCSR and Nasal Polyposis and
Postop Care.
5th World Congress for Endoscopic Surgery of the Brain, Skull Base and Spine and 1st
Global Update on FESS, Vienna Austria Mar 30 2012
220. The Role of IgE and Aspirin Intolerance in Chronic Rhinosinusitis and Nasal Polyposis
3rd Middle East Congress of Rhinology and Facial Plastic Surgery
Teheran, Iran, April 25th 2012

221. CRS and Asthma: One Airway, One Cause?
3rd Middle East Congress of Rhinology and Facial Plastic Surgery
Teheran, Iran, April 25th 2012
222. Nasal Steroids: The good, the bad, the ugly...
3rd Middle East Congress of Rhinology and Facial Plastic Surgery
Teheran, Iran, April 25th 2012
223. 2012 Update on the Fungal Etiology of Fungal Rhinosinusitis
3rd Middle East Congress of Rhinology and Facial Plastic Surgery
Teheran, Iran, April 25th 2012
224. How to diagnose fungal rhinosinusitis? The diagnostic dilemma
3rd Middle East Congress of Rhinology and Facial Plastic Surgery
Teheran, Iran, April 25th 2012
225. What is Fungal Rhinosinusitis
Keynote Lecture at the Bulgarian Rhinologic Society
Plovdiv, Bulgaria, May 17th 2012
226. The role of Fungi in Chronic Rhinosinusitis
Plenary session about the Role of Fungi in Chronic Rhinosinusitis
24th congress of the European Rhinologic Society and the 31st International
Symposium of Infection and Allergy of the Nose (ISIAN), Toulouse, France June 17-
21, 2012
227. The role of IgE mediated Allergies and Asperin-Intolerance in Chronic
Rhinosinusitis and Polyposis?
47. International Graz Course on Rhinosurgery
Graz, Austria, June 28th, 2012
228. Mechanism of Action of Nasal Steroids
47. International Graz Course on Rhinosurgery
Graz, Austria, June 28th, 2012
229. Chronic Rhinosinusitis: The War of the Immune System against the Fungi
47. International Graz Course on Rhinosurgery
Graz, Austria, June 28th, 2012
230. The role of IgE mediated Allergies and Asperin-Intolerance in Chronic
Rhinosinusitis and Polyposis?
47. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 3rd, 2012
231. Mechanism of Action of Nasal Steroids
47. International Graz Course on Rhinosurgery
Graz, Austria, September 3rd, 2012
232. Chronic Rhinosinusitis: The War of the Immune System against the Fungi
47. International Graz Course on Rhinosurgery
Graz, Austria, September 4th, 2012

233. *The EPOS guidelines: Evidence based!*
Plenary session on “What is new in Rhinosinusitis”
56th Annual Meeting of the Austrian ENT Society
St. Poelten, Austria, Sep 14th 2012
234. *Topical Therapy and Corticosteroids in the Treatment of Chronic Rhinosinusitis*
2nd International Workshop on Endoscopic Sinus Surgery
Wiesbaden, Germany, Nov 8th, 2012
235. *Chronic Rhinosinusitis: An Immune Response to Fungi*
2nd International Workshop on Endoscopic Sinus Surgery
Wiesbaden, Germany, Nov 9th, 2012
236. *Topical Steroids: How do they work and are they safe?*
Symposium on Allergic Rhinitis Treatment
International Federation of Otolaryngologic Societies (IFOS) World Congress
Seoul, South Korea, June 1st, 2013
237. *The Link between Chronic Rhinosinusitis and Asthma*
Symposium on Chronic Rhinosinusitis Co-Morbidities
International Federation of Otolaryngologic Societies (IFOS) World Congress
Seoul, South Korea, June 3rd, 2013
238. *Chronic Rhinosinusitis: An Immune Response to Fungi*
Plenary Session on Chronic Rhinosinusitis
International Federation of Otolaryngologic Societies (IFOS) World Congress
Seoul, South Korea, June 3rd, 2013
239. The role of IgE mediated Allergies and Asperin-Intolerance in Chronic Rhinosinusitis and Polyposis?
48. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 5th, 2013
240. *Mechanism of Action of Nasal Steroids*
48. International Graz Course on Rhinosurgery
Graz, Austria, July 5th, 2013
241. *Chronic Rhinosinusitis: The War of the Immune System against the Fungi*
48. International Graz Course on Rhinosurgery
Graz, Austria, July 6th, 2013
242. *The role of IgE mediated Allergies and Asperin-Intolerance in Chronic Rhinosinusitis and Polyposis?*
49. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, September 5th, 2013
243. *Mechanism of Action of Nasal Steroids*
49. International Graz Course on Rhinosurgery
Graz, Austria, September 5th, 2013

244. *Chronic Rhinosinusitis: The War of the Immune System against the Fungi*
49. International Graz Course on Rhinosurgery
Graz, Austria, September 6th, 2013
245. *Nasal Steroids in CRS: Why, How and Which*
Annual Meeting of the Austrian ENT Society
Graz, Austria, September 13th, 2013
246. *Major Basic Protein: The First Immunologic Test for Chronic Rhinosinusitis*
Annual Meeting of the Austrian ENT Society
Graz, Austria, September 14th, 2013
247. *An Immunologic Test based on Free Intranasal Eosinophilic Major Basic Protein (MBP)*
International Consensus Conference on Nasal Polyposis
Matsue City, Japan, Oct 4th, 2013
248. *Chronic Rhinosinusitis: An Immune Response to Fungi*
International Consensus Conference on Nasal Polyposis
Matsue City, Japan, Oct 4th, 2013
249. *CRS: Is it a surgical or medical disease?*
Plenary Session on Endoscopic Sinus Surgery
The 4th International Iranian Rhinology & Facial Plastic Congress
Teheran, Iran, Oct 9th, 2013
250. *Antibiotics for CRS? Topical Intranasal Steroids for Acute Sinusitis?*
The 4th International Iranian Rhinology & Facial Plastic Congress
Teheran, Iran, Oct 10th, 2013
251. *Outcome Studies For CRS: How to Measure Success*
The 4th International Iranian Rhinology & Facial Plastic Congress
Teheran, Iran, Oct 11th, 2013
252. *Topical Therapy and Corticosteroids in the Treatment of Chronic Rhinosinusitis*
3rd International Workshop on Endoscopic Sinus Surgery
Wiesbaden, Germany, Nov 1st, 2013
253. *Chronic Rhinosinusitis: An Immune Response to Fungi*
3rd International Workshop on Endoscopic Sinus Surgery
Wiesbaden, Germany, Nov 2nd, 2013
254. *Idea Generation & The Concept of Validity and Reliability of Research*
International Research Methodology Workshop
Riyadh, Saudi Arabia, March 2, 2014
255. *Evidence based Medicine in ENT research*
International Research Methodology Workshop
Riyadh, Saudi Arabia, March 2, 2014
256. *Allergic Fungal Sinusitis: Is it really an allergic disease*

9th International Meeting of the Saudi Oto-Rhino-Laryngology Society
Riyadh, Saudi Arabia, March 4, 2014

257. Update on the role of fungi in chronic Rhinosinusitis/Nasal Polyps
Plenary session on Chronic Rhinosinusitis
9th International Meeting of the Saudi Oto-Rhino-Laryngology Society
Riyadh, Saudi Arabia, March 4, 2014
258. Nasal Steroids: Mechanisms of action and clinical safety
Plenary session on nasal polyposis treatment

9th International Meeting of the Saudi Oto-Rhino-Laryngology Society
Riyadh, Saudi Arabia, March 5, 2014
259. Chronic Rhinosinusitis and the rationale for antifungal treatment,
Keynote speaker at the Annual Meeting of the Russian Rhinologic Society
Moscow, Russia, April 21, 2014
260. Topical therapy and corticosteroids
International Symposium on inflammatory diseases of the nose and sinuses
Moscow, Russia, April 22, 2014
261. Chronic Rhinosinusitis: The war of the eosinophils in chronic rhinosinusitis
International Symposium on inflammatory diseases of the nose and sinuses
Moscow, Russia, April 21, 2014
262. The role of IgE mediated Allergies and Asperin-Intolerance in Chronic Rhinosinusitis and Polyposis?
50. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 4th, 2014
263. Mechanism of Action of Nasal Steroids
50. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 4th, 2014
264. Chronic Rhinosinusitis: The War of the Immune System against the Fungi
50. International Grazer Workshop on Functional Endoscopic Sinus Surgery
Graz, Austria, July 5th, 2014
265. Topical Therapy and Corticosteroids in the Treatment of Chronic Rhinosinusitis
3th International Workshop on Endoscopic Sinus Surgery
Wiesbaden, Germany, October 31st, 2014
266. Chronic Rhinosinusitis: An Immune Response to Fungi
4th International Workshop on Endoscopic Sinus Surgery
Wiesbaden, Germany, Nov 1st, 2014
267. The Pathophysiology of chronic Rhinosinusitis
2014 Arab Nose & Allergy Congress
Abu Dhabi, United Arab Emirates, Nov 6th, 2014

268. *A novel Test for chronic Rhinosinusitis based on Major Basic Protein*
 2014 Arab Nose & Allergy Congress
 Abu Dhabi, United Arab Emirates, Nov 6th, 2014
269. *Nose Allergy and Fungi*
 Keynote Speaker
 2014 Arab Nose & Allergy Congress
 Abu Dhabi, United Arab Emirates, Nov 7th, 2014
270. *Lack of a role of IgE mediated Allergy in CRS*
 Arab Nose & Allergy Congress
 Abu Dhabi, United Arab Emirates, Nov 7th, 2014
271. *Chronic Rhinosinusitis/Nasal Polyposis: The Fungal Paradigm Shift*
 Plenary Session on Fungal Rhinosinusitis at the Annual Meeting of the Royal
 Belgium Society for ENT-HNS
 Bruges, Belgium Nov 14 , 2014
272. *Chronic Rhinosinusitis/Nasal polyps: The role of fungi*
 33rd International Symposium of Infection and Allergy of the Nose (ISIAN) and 15th
 World Congress of the International Rhinologic Society,
 Plenary session on Pathophysiology of chronic Rhinosinusitis
 Dubai, November 22nd, 2014
273. *A novel test for chronic Rhinosinusitis utilizing eosinophilic Major Basic Protein*
 33rd International Symposium of Infection and Allergy of the Nose (ISIAN) and 15th
 World Congress of the International Rhinologic Society,
 Plenary session on Pathophysiology of chronic Rhinosinusitis
 Dubai, November 22nd, 2014
273. *Chronic Rhinosinusitis: The war of the eosinophils against the fungi*
 Keynote Lecture, 14th annual meeting of the Egyptian ENT society
 Luxor, Egypt, March 5th, 2015
274. *Antibiotics for CRS? Nasal Steroids for Acute Sinusitis?*
 14th annual meeting of the Egyptian ENT society
 Luxor, Egypt, March 5th, 2015
275. *Intranasal Corticosteroids: The good, the bad, the ugly*
 14th annual meeting of the Egyptian ENT society
 Luxor, Egypt, March 6th, 2015
276. *A novel Test for chronic Rhinosinusitis based on Major Basic Protein*
 14th annual meeting of the Egyptian ENT society
 Luxor, Egypt, March 6th, 2015
277. *Steroids in CRS: The good, the bad, the ugly*
 Symposium on treatment of chronic rhinosinusitis
 3rd Congress of the European Academy of Otorhinolaryngology - Head and Neck Surgery
 Prague, Czech Republic, June 10, 2015

278. Chronic Rhinosinusitis: Advances in the role of fungi
Panel Discussion on chronic rhinosinusitis
3rd Congress of the European Academy of Otorhinolaryngology - Head and Neck Surgery
Prague, Czech Republic, June 10, 2015
279. Chronic Rhinosinusitis: Advances in the hunt for the fungal antigen
Endochicago, 7th World Congress for Endoscopic Surgery
Chicago, IL, May 16, 2016
280. Chronic Rhinosinusitis: Update on the pathophysiology of chronic rhinosinusitis and the role of fungi
5th International Bulgarian-Italian Rhinology Meeting
Senigallia, Italy, Oct 14th 2016
281. Chronic Rhinosinusitis/Nasal Polyps: Lessons Learned from the Antifungal Trials
5th International Bulgarian-Italian Rhinology Meeting
Rhinology and Rhino-Allergology
Senigallia, Italy, Oct 14th 2016
282. Controversies and Challenges in Allergic Rhinitis Management
5th International Bulgarian-Italian Rhinology Meeting
Rhinology and Rhino-Allergology
Senigallia, Italy, Oct 14th 2016
283. How to diagnose eosinophilic fungal rhinosinusitis: biomarkers and clinical criteria
5th International Bulgarian-Italian Rhinology Meeting
Rhinology and Rhino-Allergology
Senigallia, Italy, Oct 14th 2016
284. How to deal with complications of endoscopic sinus surgery. Complication of FESS: How bad can it be ?
5th International Bulgarian-Italian Rhinology Meeting
Rhinology and Rhino-Allergology
Senigallia, Italy, Oct 15th 2016
285. Skin Prick Test & Sublingual Immunotherapy
5th International Bulgarian-Italian Rhinology Meeting
Rhinology and Rhino-Allergology
Senigallia, Italy, Oct 15th 2016
286. Update on the Pathophysiology of Chronic Sinusitis and the Role of Fungi
1st Otolaryngology Symposium
Abu Dhabi, United Arab Emirates, Oct 20th 2016
287. How to Diagnose EFRS? Eosinophilic Fungal Rhinosinusitis
1st Otolaryngology Symposium
Abu Dhabi, United Arab Emirates, Oct 20th 2016

288. Sinus Disease: Lessons Learned from the Antifungal Trials
1st Otolaryngology Symposium
Abu Dhabi, United Arab Emirates, Oct 22nd 2016
289. Experimental Immunology in Chronic Rhinosinusitis
1st Otolaryngology Symposium
Abu Dhabi, United Arab Emirates, Oct 22nd 2016
290. How to diagnose eosinophilic fungal rhinosinusitis: biomarkers and clinical criteria
5th International Bulgarian-Italian Rhinology Meeting
Rhinology and Rhino-Allergology
Senigallia, Italy, Oct 14th 2016
291. Topical Therapy and Corticosteroids in the Treatment of Chronic Rhinosinusitis
6th International Workshop on Endoscopic Sinus Surgery
Wiesbaden, Germany, November 5th, 2016
292. Chronic Rhinosinusitis: The war of the eosinophils against the Fungi
6th International Workshop on Endoscopic Sinus Surgery
Wiesbaden, Germany, November 5th, 2016
293. From Cage to bedside: We have a trigger for CRS
6th International Workshop on Endoscopic Sinus Surgery
Wiesbaden, Germany, November 5th, 2016
294. Free Intranasal Eosinophilic Major Basic Protein (MBP)
The First Immunologic Test for Chronic Rhinosinusitis (CRS)
15th International Congress of Iranian society of Otolaryngology
Tehran, Iran, Nov 8th, 2016
295. How to Diagnose “Allergic” Fungal Rhinosinusitis?
15th International Congress of Iranian Society of Otolaryngology
Tehran, Iran, Nov 10th, 2016
296. The mechanisms of action of steroids in allergic rhinitis and nasal polyps (CRS w/NP)
Interdisciplinary Information Summit
Moscow, Russia, 18 March 2017
297. Chronic rhinosinusitis and fungi: an update
Interdisciplinary Information Summit
Moscow, Russia, 18 March 2017
298. What exactly does the fungus do in CRS? Going back to the origin of disease
International Federation of Otolaryngology Societies
ENT-World Congress
Plenary Session on the Pathophysiology of Chronic Rhinosinusitis
Paris, France, June 28th 2017

299. Th2 Shifting, IgE Production, Eosinophilic Inflammation: Zooming in on a trigger for CRS
Plenary Session at the Rhinology World Congress
Hong Kong, China, September 1, 2017
300. Topical Therapy and Corticosteroids in the Treatment of Chronic Rhinosinusitis,
24th International Dissection Course in Rhinology Rhinofest 2017, Buffalo NY, September 21st, 2017
301. Nasal Polyposis: Treatment developments.
24th International Dissection Course in Rhinology Rhinofest 2017, Buffalo NY, September 23st, 2017
302. Chronic Rhinosinusitis: The war of the eosinophils against the Fungi
24th International Dissection Course in Rhinology Rhinofest 2017, Buffalo NY, September 23st, 2017
303. The Alternaria paradigm: What is triggering chronic airway inflammation
24th International Dissection Course in Rhinology Rhinofest 2017, Buffalo NY, September 23st, 2017
304. Intranasal Corticosteroids: The good the bad the ugly
7th International Workshop on Endoscopic Sinus Surgery
Wiesbaden, Germany, November 3rd, 2017
305. Chronic Rhinosinusitis: The war of the eosinophils against the Fungi
7th International Workshop on Endoscopic Sinus Surgery
Wiesbaden, Germany, November 4th, 2017
306. Alternaria Induced Th2 shifting
7th International Workshop on Endoscopic Sinus Surgery
Wiesbaden, Germany, November 4th, 2017
307. Asthma and Allergy in adult and pediatric patients: Science and Practical management
Qatar ENT Society, Doha, Qatar Oct 24th, 2017
308. Treatment options in allergic airway diseases: Guidelines and real world application
Regional Allergy Summit, Kuwait City, Kuwait Oct 25th, 2017
309. Pathophysiology of nasal polyps and allergic rhinitis: Novel approaches to treatments
Oman Allergy Allergy Society, Muscat, Oman, Oct 26th, 2017
310. Nasal Steroids and other anti-inflammatory drugs for Allergic Rhinitis and Nasal Polyposis: How do they work?
Keynote Speaker, International Allergy Summit, Dubai, United Arab Emirates, Oct 27th, 2017

311. Chronic Rhinosinusitis Phenotypes and Endotypes: A Personalized Approach to Treatment
Plenary Session, International Allergy Summit, Dubai, United Arab Emirates, Oct 27th, 2017
312. Nasal steroids? Antibiotics? What is their use in CRS?
7th International Workshop on Endoscopic Sinus Surgery
Wiesbaden, Germany, September 28, 2018
313. Fungal immunology in CRS
7th International Workshop on Endoscopic Sinus Surgery
Wiesbaden, Germany, September 28, 2018
314. From cage to bedside – we have a trigger for CRS
7th International Workshop on Endoscopic Sinus Surgery
Wiesbaden, Germany, September 28, 2018
315. Eosinophils: The Killing Machinery Targeting the Fungi
Workshop on the Role of Fungi in Chronic Rhinosinusitis
National Institute of Health (NIH), National Institute for Allergic and Infectious Diseases (NIAID)
Bethesda, MA, May 31st, 2019
316. The transition from AFRS to CRS: Evolving our thinking
Plenary Session on Fungal Sinusitis
RhinoWorld World Congress of Rhinology
Chicago IL, June 9th, 2019
317. Chronic Rhinosinusitis and the Microbiome
Plenary Session on Chronic Rhinosinusitis
5th Congress of the Confederation of European ORL-HNS
Brussels, Belgium, July 1st, 2019
318. Nasal Steroids: Clinical Important Differences Between Different Compounds
55th Graz Course on Rhinosurgery
Graz, Austria, July 11th, 2019
319. Nasal Polyposis: Treatment developments with therapeutic antibodies
55th Graz Course on Rhinosurgery
Graz, Austria, July 11th, 2019
320. Nasal Steroids: Clinical Important Differences Between Different Compounds
8th International Workshop on Endoscopic Sinus Surgery
Wiesbaden, Germany, September 6, 2019
321. Chronic Rhinosinusitis/Nasal Polyps: The war of the eosinophils against the fungi
8th International Workshop on Endoscopic Sinus Surgery
Wiesbaden, Germany, September 7, 2019
322. Th2 Shifting, IgE Production, Eosinophilic Inflammation: Zooming in on a trigger for CRS

8th International Workshop on Endoscopic Sinus Surgery
Wiesbaden, Germany, September 7, 2019

323. Nasal Steroids: Clinical Important Differences Between Different Compounds
26th Rhinofest 2019
Buffalo NY, October 10, 2019

324. CRS with Nasal Polyps: Treatment with novel therapeutic antibodies
26th Rhinofest 2019
Buffalo NY, October 10, 2019

325. Zooming in on a trigger for CRS
26th Rhinofest 2019
Buffalo NY, October 12, 2019

326. The mechanism behind eosinophilic inflammation in CRS
Plenary Session on chronic Rhinosinusitis
Rhino-Egypt
Cairo, Egypt, March 4th, 2021(online)

327. Th2-Shifting, development of IgE, Aspiring sensitivity: How the fungus
Alternaria links it all together?
Symposium on Fungal Sinusitis
Rhino-Egypt
Cairo, Egypt, March 6th, 2021(online)

Sessions Chaired:

Session on Nasal Polyposis
26th International Scientific Meeting on Functional Endoscopic Sinus Techniques
Graz, Austria, Sep 5th-7th, 2000

Session on Rhinosinusitis
International Federation of Oto-Rhino-Laryngological Societies (IFOS) Consensus
Conference on Nasal Polyposis
Siena, Italy, Oct. 6th, 2000

Session on Endoscopic Sinus Surgery
International Workshop on Chronic Rhinosinusitis
Frankfurt, Germany, November 17th, 2001

Session on Allergic Fungal Sinusitis
“New York Rhinology and Sleep Disordered Breathing Update” of the New York University
New York, New York, April 20th, 2002

Session on Allergic Fungal Sinusitis
2nd New York Rhinology and Sleep Disordered Breathing Update of the New York University
New York, New York, April 11th, 2003

Session on the Role of Allergy in Nasal Polyposis

3rd International Consensus Conference of Nasal Polyposis
Brussels, Belgium April 23rd, 2004

Session on the Treatment of Lacrimal Blockage in Adults and Children
5th European Congress of Oto-Rhino-Laryngology - Head and Neck Surgery
Rodos, Greece September 14, 2004

Symposium on the Pathophysiology of Chronic Rhinosinusitis
XVIII World Congress of the International Federation of Oto-rhino-laryngological Societies (IFOS)
Rome, Italy, June 28th, 2005

Plenary session on chronic rhinosinusitis (CRS): Pathogenesis, Diagnosis, Natural History and Treatment: What do we really know?
12th World Congress of the International Rhinologic Society (IRS), Venice, Italy, December 7th, 2007

Symposium on Fungal Diseases
5th World Congress for Endoscopic Surgery of the Brain, Skull Base and Spine and 1st Global Update on FESS, Vienna Austria Mar 29, 2012

Plenary Session on Avoidance of Revision Surgery for eCSR and Nasal Polyposis and Postop Care.
5th World Congress for Endoscopic Surgery of the Brain, Skull Base and Spine and 1st Global Update on FESS, Vienna Austria Mar 30, 2012

Plenary Session on Nasal Polyposis
Annual Meeting of the Royal Belgium Society for ENT-HNS
Brueges, Belgium Nov 15, 2014

Plenary Session on Rhinology and Rhino-Allergology
5th International Bulgarian-Italian Rhinology Meeting
Senigallia, Italy, Oct 14th 2016

Courses:

Chronic Rhinosinusitis: A Common Disease Triggered by Fungi
Ponikau JU, Sherris DA, Kern EB
Course Director at the Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery
New Orleans, Louisiana
Tuesday, September 28, 1999

Chronic Rhinosinusitis: An Immune Response Against Fungi
Ponikau JU, Sherris DA, Kern EB, Stammberger H
Course Director at the Annual Meeting of the American of Otolaryngology-Head and Neck Surgery
Washington, D.C.
Monday, September 25, 2000

Chronic Rhinosinusitis: An Immune Response to Fungi

Ponikau JU, Sherris DA, Kern EB, Braun H

Course Director at the Annual Meeting of the American of Otolaryngology-Head and Neck Surgery

Denver, Colorado

Monday, September 10, 2001

Rhinofest 2001: A Comprehensive Course in Rhinology

Course Director

Mayo Clinic, Rochester, Minnesota

October 12-15, 2001

The Role of Fungi in Chronic Rhinosinusitis and Asthma

Ponikau JU, Thomas Platt-Mills

Course Director, 58th Annual Meeting of the American Academy of Allergy, Asthma and Immunology

New York, NY, March 4th , 2002

Chronic Rhinosinusitis: An Immune Response to Fungi

Ponikau JU, Sherris DA, Kern EB, Braun H

Course Director at the Annual Meeting of the American of Otolaryngology-Head and Neck Surgery

San Diego, California

Monday, September 22, 2002

Chronic Rhinosinusitis and the fungi: The new paradigm

Ponikau JU, Stammberger H, Braun H, Buzina W

Course Director, German Academy of Otorhinolaryngology – Head and Neck Surgery

Dresden, Germany, May 31, 2003

Chronic Rhinosinusitis: An Immune Response to Fungi

Ponikau JU, Sherris DA, Kern EB, Braun H

Course Director at the Annual Meeting of the American of Otolaryngology-Head and Neck Surgery

Orlando, FL, September 23, 2003

Rhinofest 2003: The 17th Biennial Comprehensive Course in Rhinology

Course Director

Mayo Clinic, Rochester, Minnesota

October 9-12, 2003

Rhinofest 2004: The 17th Biennial Comprehensive Course in Rhinology

Course Director

University at Buffalo, Buffalo, NY

August 5-7, 2004

Chronic Rhinosinusitis: An Immune Response to Fungi

Ponikau JU, Sherris DA, Kern EB, Braun H

Course Director at the Annual Meeting of the American of Otolaryngology-Head and Neck Surgery

New York, NY, September 21, 2004

Rhinofest 2005: The 18th Biennial Comprehensive Course in Rhinology

Course Director

Mayo Clinic, Rochester, Minnesota

August 18-21st, 2005

Advances in the Role of Fungi in Chronic Rhinosinusitis

Ponikau JU, Sherris DA, Stammberger H, Braun H

Course Director at the Annual Meeting of the American of Otolaryngology-Head and Neck Surgery

Los Angeles, CA, September 25, 2005

Advances in the Role of Fungi in Chronic Rhinosinusitis: What is new?

Ponikau JU, Sherris DA, Stammberger H, Braun H

Course Director at the Annual Meeting of the American of Otolaryngology-Head and Neck Surgery

Toronto, Ontario, September 17th, 2006

Eosinophilic Fungal Rhinosinusitis - An Update

Ponikau JU, Baun H, Gosepath J

Course Director at the 6th European Congress of Oto-Rhino-Laryngology, Head and Neck Surgery

Vienna, Austria July 3rd, 2007

Advances in the Role of Fungi in Chronic Rhinosinusitis: What is new?

Ponikau JU, Sherris DA, Stammberger H, Braun H

Course Director at the Annual Meeting of the American of Otolaryngology-Head and Neck Surgery

Washington, DC September 16th, 2007

Advances in the Role of Fungi in Chronic Rhinosinusitis: What is new?

Ponikau JU, Sherris DA, Stammberger H, Braun H

Course Director at the Annual Meeting of the American of Otolaryngology-Head and Neck Surgery

Chicago, IL, September 22nd, 2008

Rhinofest 2008: The 20th Biennial Comprehensive Course in Rhinology

Course Director

University at Buffalo, Buffalo, NY

October 2-5, 2008

Advances in the Role of Fungi in Chronic Rhinosinusitis?

Ponikau JU, Sherris DA, Stammberger H, Braun H

Course Director at the Annual Meeting of the American Academy of Otolaryngology – Head and Neck Surgery

October 6, 2009, San Diego, CA.

Advances in the Role of Fungi in Chronic Rhinosinusitis?

Ponikau JU, Sherris DA, Stammberger H, Braun H

Course Director at the Annual Meeting of the American Academy of Otolaryngology – Head and Neck Surgery

September 26, 2010, Boston, CA.

Rhinofest 2010: The 21st Biennial Comprehensive Course in Rhinology

Course Director

University at Buffalo, Buffalo, NY

September 30 - October 3, 2010

Advances in the Role of Fungi in Chronic Rhinosinusitis?

Ponikau JU, Sherris DA, Stammberger H, Braun H

Course Director at the Annual Meeting of the American Academy of Otolaryngology – Head and Neck Surgery

September 12, 2011, San Francisco, CA.

Advances in the Role of Fungi in Chronic Rhinosinusitis?

Ponikau JU, Sherris DA, Stammberger H, Braun H

Course Director at the Annual Meeting of the American Academy of Otolaryngology – Head and Neck Surgery

September 11, 2012, Washington DC.

Rhinofest 2013: The 22nd Biennial Comprehensive Course in Rhinology

Course Director

University at Buffalo, Buffalo, NY

September 19 - 22, 2013

Advances in the Role of Fungi in Chronic Rhinosinusitis?

Ponikau JU, Sherris DA, Stammberger H, Braun H

Course Director at the Annual Meeting of the American Academy of Otolaryngology – Head and Neck Surgery

September 30, 2013, Vancouver, B.C.

Rhinofest 2015: The 23rd Biennial Comprehensive Course in Rhinology

Course Director

University at Buffalo, Buffalo, NY

October 1- 4, 2015

Rhinofest 2017: The 24th Biennial Comprehensive Course in Rhinology

Course Director

University at Buffalo, Buffalo, NY

September 21-24, 2017

Rhinofest 2019: The 25th Biennial Comprehensive Course in Rhinology

Course Director

University at Buffalo, Buffalo, NY

October 10-12th, 2019

Publications

Letters:

Allergic fungal sinusitis - in reply.

Ponikau, JU. Kern, EB. Sherris, DA. Mayo Clinic Proceedings 2000 Jan;75(1):122-123.

Role of fungi in allergic fungal sinusitis and chronic rhinosinusitis - reply.
Ponikau, JU, Sherris, DA, Kern, EB. Mayo Clinic Proceedings 2000 May;75(5):540-541.

Eosinophilic mucin rhinosinusitis.
Sherris, DA, Ponikau, JU, Kern, EB. Laryngoscope 2001 Sep;111(9):1670-2.

Antifungal nasal washes for chronic rhinosinusitis: What's therapeutic - the wash or the antifungal? - Reply.
Ponikau, JU, Sherris, DA, Kita, H, Kern, FB. Journal of Allergy and Clinical Immunology 2003 May;111(5):1138-40.

The role of airborne mold in chronic rhinosinusitis
Ponikau JU, Sherris DA.
J Allergy Clin Immunol. 2006 Sep;118(3):762-3

Abstracts:

Chronic Rhinosinusitis: A Common Disease Triggered By Fungi

Ponikau JU, Sherris DA, Kern EB
Allergologie 1998 Nov; 21(11), pp 581

Chronic Rhinosinusitis: An Immune Response to Fungi

Ponikau JU, Sherris DA, Kern EB
The Saudi Journal of Oto-Rhino-Laryngology Head and Neck Surgery 2000 Jul; 2(2), pp 104-105

The fungus, Alternaria, induces activation and degranulation of human eosinophils.
Inoue, Y, Shin, SH, Ponikau, JU, Kita, H. Journal of Allergy & Clinical Immunology 2002 Jan;109(1 Suppl):S165.

Novel calcium-dependent pathways in eosinophil interaction with secretory product(s) of the fungus Alternaria.

Inoue, Y, Shin, SH, Ponikau, JU, Kita, H. Journal of Allergy & Clinical Immunology 2003;111:S258.

Extensive degranulation of eosinophils in the mucin, but not in the tissue, of chronic rhinosinusitis patients

Ponikau JU, Kephart GM, Sherris DA, Kern EB, Kita H
Journal of Allergy & Clinical Immunology 2003 Feb;111:S125.

Treatment of Chronic Rhinosinusitis with Intranasal Amphotericin B: A Prospective Randomized, Placebo-controlled Trial.

Sherris DA, Ponikau JU, Weaver A, Frigas E, Kita H.
J Allergy Clin Immunol. 2004 Feb;113(2):S331 (Suppl.)

Gene Microarray Analysis of CD4-Positive T Cells in Chronic Rhinosinusitis (CRS)

Davis LJB, Ponikau JU, Sherris DA, Plager DA, Kita H.
J Allergy Clin Immunol. 2004 Feb;113(2):S332 (Suppl.)

Publications (peer reviewed):

1. *Invasive Pilz Sinusitis (Invasive Fungal Sinusitis)*
Ponikau JU, Wolf E, Groden C, Koch U.
Oto-Rhino-Laryngologia Nova. Vol 6 (5-6),1996, pp 250-256
2. *The Diagnosis and Incidence of Allergic Fungal Sinusitis.*
Ponikau JU, Sherris DA, Kern EB, Homburger HA, Frigas E, Gaffey TA, Roberts GD
Mayo Clin Proc 1999 Sep;74(9):877-84
Republished in "The Home Study Course", Rhinology and Allergic Disorders,
AAO-HNSF, 2002.
3. *CSF Rhinorrhea: 95 Consecutive Surgical Cases with Long Term Follow-Up at the Mayo Clinic*
Gassner HG, Ponikau JU, Sherris DA, Kern EB.
Am J Rhinol. 1999 Nov. 13(6):439-447
4. *Detection of Fungal Organisms in Eosinophilic Mucin Using a Fluorescein Labeled Chitin-Specific Binding Protein.*
Taylor MJ, Ponikau. JU, Sherris DA, Kern EB, Gaffey TA, Kephart GM, Kita H
Otolaryngol Head Neck Surg. 2002 Nov;127(5):377-383.
5. *Intranasal Antifungal Treatment in 51 Patients with Chronic Rhinosinusitis (CRS)*
Ponikau JU, Sherris DA, Kita H, Kern EB.
J Allergy Clin Immunol. 2002 Dec;110(6):862-866 (Editors Choice Award)
6. *The Chemotactic Behavior of Eosinophils in Patients with Chronic Rhinosinusitis (CRS).*
Wei JL, Kita H, Sherris DA, Kern EB, Weaver AL, Ponikau JU
Laryngoscope. 2003 Feb;113(2):303-6.
7. *Eosinophilic fungal rhinosinusitis of the lacrimal sac.*
Facer ML, Ponikau JU, Sherris DA.
Laryngoscope. 2003 Feb;113(2):210-4.
8. *Features of Airway Remodeling and Eosinophilic Inflammation in Chronic Rhinosinusitis:*
Is it the Histopathology Similar to Asthma?
Ponikau JU, Sherris DA, Kephart GM, Kern EB, Gaffey TA, Tarara JE, Kita H
J Allergy Clin Immunol. 2003 Nov;112(6):877-882 (Editors Choice Award)
9. *Chronic Rhinosinusitis: An enhanced immune response to ubiquitous airborne fungi*
Shin SH, Ponikau JU, Sherris DA, Congdon D, Frigas E, Homburger HA, Swanson MC, Gleich GJ, Kita H. J Allergy Clin Immunol, 2004;114:1369-75. (NIH Press release)
10. *Treatment of Chronic Rhinosinusitis with Intranasal Amphotericin B: A Randomized, Placebo-controlled, Double-blinded Pilot Trial.*
Ponikau JU, Sherris DA, Weaver A, Kita H.
J Allergy Clin Immunol. 2005 Jan;115(1):125-31.
11. *Striking Deposition of Toxic Eosinophil Major Basic Protein in Mucus: Implications for Chronic Rhinosinusitis*

Ponikau JU, Sherris DA, Kephart GM, Kern EB, Congdon DJ, Adolphson CR, Springett MJ, Gleich GJ, Kita H
J Allergy Clin Immunol. 2005 Aug; 116(2): 362-369

12. Non-pathogenic, environmental fungi induce activation and degranulation of human eosinophils.

Inoue Y, Matsuzaki Y, Shin S-H, Ponikau JU, Kita H
J Immunol 2005 Oct; 175: 5439-5447

13. Airway manifestations of pediatric eosinophilic esophagitis: a clinical and histopathologic report of an emerging association.

Dauer EH, Ponikau JU, Smyrk TC, Murray JA, Thompson DM.
Ann Otol Rhinol Laryngol. 2006 Jul;115(7):507-17.

14. Rhinosinusitis: developing guidance for clinical trials.

Meltzer EO, Hamilos DL, Hadley JA, Lanza DC, Marple BF, Nicklas RA, Adinoff AD, Bachert C, Borish L, Chinchilli VM, Danzig MR, Ferguson BJ, Fokkens WJ, Jenkins SG, Lund VJ, Mafee MF, Naclerio RM, Pawankar R, Ponikau JU, Schubert MS, Slavin RG, Stewart MG, Togias A, Wald ER, Winther B; The Rhinosinusitis Initiative.
J Allergy Clin Immunol. 2006 Nov;118(5 Suppl):S17-61.
Otolaryngol Head Neck Surg. 2006 Nov;135(5 Suppl):S31-80.

15. Diagnosis and treatment of chronic rhinosinusitis: focus on intranasal Amphotericin

Kern EB, Sherris DA, Stergiou AM, Katz LM, Rosenblatt LM, Ponikau JU
Therapeutics and Clinical Risk Management 2007;3(2), 319-325

16. Innate antifungal immunity of human eosinophils mediated by a beta 2 integrin, CD11b

Yoon J, Ponikau JU, Lawrence CB, Kita H.
J Immunol. 2008 Aug 15; 181(4):2907-15

18. Fungal rhinosinusitis: a categorization and definitional schema addressing current controversies.

Chakrabarti A, Denning DW, Ferguson BJ, Ponikau J, Buzina W, Kita H, Marple B, Panda N, Vlaminc S, Kauffmann-Lacroix C, Das A, Singh P, Taj-Aldeen SJ, Kantarcioglu AS, Handa KK, Gupta A, Thungabathra M, Shivaprakash MR, Bal A, Fothergill A, Radotra BD.
Laryngoscope. 2009 Sep;119(9):1809-18. Review.

18. Recognition of fungal protease activities induces cellular activation and eosinophil-derived neurotoxin release in human eosinophils.

Matsuwaki Y, Wada K, White TA, Benson LM, Charlesworth MC, Checkel JL, Inoue Y, Hotta K, Ponikau JU, Lawrence CB, Kita H.
J Immunol. 2009 Nov 15;183(10):6708-16. Epub 2009 Oct 28.

19. An exploratory trial of Cyclamen europaeum extract for acute rhinosinusitis.

Ponikau JU, Hamilos DL, Barreto A, Cecil J, Jones SW, Manthei SE, Collins J.

Laryngoscope. 2012 Sep;122(9):1887-92. Epub 2012 Jun 6.

20. Improving the Detection of Fungi in Eosinophilic Mucin: Seeing What We Could Not See Before.

Guo C, Ghadersohi S, Kephart GM, Laine RA, Sherris DA, Kita H, Ponikau JU. Otolaryngol Head Neck Surg. 2012 Nov;147(5):943-9.

21. Three-dimensional volumetric computed tomographic scoring as an objective outcome measure for chronic rhinosinusitis: clinical correlations and comparison to Lund-Mackay scoring.

Pallanch JF, Yu L, Delone D, Robb R, Holmes DR 3rd, Camp J, Edwards P, McCollough CH, Ponikau J, Dearing AC, Lane J, Primak A, Shinkle A, Hagan J, Frigas E, Ocel JJ, Tombers N, Siwani R, Orme NM, Reed KB, Jerath N, Dhillon R, Kita H.

Int Forum Allergy Rhinol. 2013 Dec;3(12):963-72. doi: 10.1002/alr.21219. Epub 2013 Sep 17.

22. Computed tomography scans as an objective measure of disease severity in chronic rhinosinusitis.

Likness MM, Pallanch JF, Sherris DA, Kita H, Mashtare TL Jr, Ponikau JU. Otolaryngol Head Neck Surg. 2014 Feb;150(2):305-11.

23. An immunologic test for chronic rhinosinusitis based on free intranasal eosinophilic major basic protein.

Ponikau JU, Winter LA, Kephart GM, Squillace DL, Hershcovitch MD, Moon S, Sherris DA, Kern EB, Gleich GJ, Kita H. Int Forum Allergy Rhinol. 2015 Jan;5(1):28-35.

24. Correlation of Symptoms, Clinical Signs, and Biomarkers of Inflammation in Postsurgical Chronic Rhinosinusitis.

Racette SD, Wijewickrama RC, Jayaprakash V, Sherris DA, Santos C, Kita H, O'Donnell FE Jr, Ponikau JU. Ann Otol Rhinol Laryngol. 2017 Jun;126(6):455-462.

25. The Anterior Ethmoidal "Genu": A Newly Appreciated Anatomic Landmark for Endoscopic Sinus Surgery.

Bolger WE, Stammberger H, Ishii M, Ponikau JU, Solaiyappan M, Zinreich SJ. Clin Anat. 2019 May;32(4):534-540. doi: 10.1002/ca.23347. Epub 2019 Feb 21

26. Intranasal amphotericin B for Chronic Rhinosinusitis (CRS): The power of irrigations, and failure to reduce the fungal load.

Ponikau JU, Mayer O, Sherris DA, Santos C, Kita H, O'Donnell FE Jr, Ponikau JU. Otolaryngology- Head and Neck Surgery (Submitted for publication, 2021)

Invited Editorials

Immunologic response to fungus is not universally associated with chronic rhinosinusitis

Ponikau JU, Sherris DA, Kern EB.
Otolaryngol Head Neck Surg. 2010 Nov;143(5):607-10.

Invited Reviews

New paradigm for the roles of fungi and eosinophils in chronic rhinosinusitis.
Sasama J, Sherris DA, Shin SH, Kephart GM, Kern EB, Ponikau JU.
Curr Opin Otolaryngol Head Neck Surg. 2005 Feb;13(1):2-8.

The Role of Ubiquitous airborne fungi in chronic Rhinosinusitis
Ponikau JU, Sherris DA, Kephart GM, Adolphson CR, Kita H.
Curr Allergy Asthma Rep. 2005 Nov;5(6):472-6.

The Role of Ubiquitous airborne fungi in chronic Rhinosinusitis
Ponikau JU, Sherris DA, Kephart GM, Adolphson CR, Kita H.
Clin Rev Allergy Immunol. 2006 Jun;30(3):187-94.

The role of ubiquitous airborne fungi in chronic rhinosinusitis
Ponikau JU, Sherris DA, Kita H.
Clin Allergy Immunol 2007;20:177-84

Understanding the Role of Fungi in the Pathophysiology and Treatment of Chronic Rhinosinusitis
Niv Mor, BA, David A Sherris, MD, Hirohito Kita, MD and Jens U Ponikau, MD
US Respiratory Diseases 2007, pp 68-71

Understanding the Role of Fungi in the Pathophysiology and Treatment of Chronic Rhinosinusitis
Ponikau JU, Sherris DA, Kita H. Chinese Medical Digest: Otolaryngology, March 2008, Vol.23 (2) pp95-98 (Chinese)

Therapeutic Antibodies for nasal polyposis treatment. Where are we headed?
Aarti Agarwal, Derek Spath, David A. Sherris, Hirohito Kita, and Jens U. Ponikau
Clinical Reviews in Allergy and Immunology (2019, accepted for publication #CRAI-D-19-00017)

Non Peer Reviewed Publications

Eosinophilic Fungal Rhinosinusitis: Surgical Implications
Sherris DA, *Ponikau JU*, Kern EB
Operative Techniques in Otolaryngology, 2000

The diagnosis and incidence of allergic fungal sinusitis.
Ponikau JU, Sherris DA, Kern EB, et al. Republished in The Home Study Course, Rhinology and Allergic Disorders, AAO-HNSF, 2002.

Chronic Rhinosinusitis: The War of the Immune System against the Fungi
Ponikau JU
Points of View
Newsletter of the American Rhinologic Society, 2002 Jan.

Book Chapters

The Role of Fungi in Chronic Rhinosinusitis

Ponikau JU

In “Nasal Polyposis”

Croatian Medical Society

The Role of Ubiquitous Airborne Fungi in Chronic Rhinosinusitis

Ponikau JU, Sherris DA, Kita H.

In: Hamilos DL, Baroody FM, editors. *Chronic Rhinosinusitis: Pathogenesis and Medical Management*. 1st ed. New York: Informa Healthcare USA, Inc; 2007. P. 177-184

Fungus-Induced Inflammation and Nasal Polyps

Kern EB, Sherris DA, Kita H, Ponikau JU

T.M. Oenerci and B.J. Ferguson (eds.), *Nasal Polyposis*,

Springer-Verlag Berlin Heidelberg 2010

The Role of Eosinophils in Rhinologic Diseases

Ponikau JU, Kita H, Sherris DA

T.M. Oenerci (ed.), *Nasal Physiology and Pathophysiology of Nasal Disorders*

Springer-Verlag Berlin Heidelberg 2021

The Role of Eosinophils in Rhinologic Diseases

Ponikau JU, Mary Twarog, Sherris DA, Kita H

T.M. Oenerci (ed.), *Nasal Physiology and Pathophysiology of Nasal Disorders*

Springer-Verlag Berlin Heidelberg Feb 2023

Fungus-Induced Inflammation and Nasal Polyps

Ponikau JU, Powers KF, Sherris DA, Kita H, Kern EB

T.M. Oenerci (ed.), *Nasal Polyposis*,

Springer-Verlag Berlin Heidelberg (May 2024)

Fundings:

Completed

1. R01 AI 49235-02 (P.I. Kita, Co-I. Ponikau) 3/01/01 – 2/28/06 70%
NIH/NIAID \$300,878 (annual direct cost)
The Pathogenesis of Chronic Rhinosinusitis
2. P01 AI 50494-01 (P.I. Kita, Co-I. Ponikau) 9/01/01 - 8/31/06 10%
NIH/NIAID \$179,015 (annual direct cost)
Project 3. Eosinophilic Inflammation in Intrinsic Asthma
3. Mayo CR Protocol Program. (P.I. Sherris, Co-I. Ponikau) 7/01/01 – 6/30/03
Mayo Foundation \$33,212 (annually)
Eosinophilic Fungal Rhinosinusitis (EFRS): Direct Muco-Administration of Amphotericin B Versus Placebo

Pending

R-01 RAI132770AR1 (\$2,008,000 direct and indirect), 5 years
Fungal immune reactions in chronic rhinosinusitis and asthma. NIH/NIAID, submitted Oct 5, 2016. NIH asked for more preliminary data in regards to two of the aims, and to add another aim to further investigate the mechanism of the immune reactions.
We are currently obtaining the preliminary data requested by the NIH reviewers. Resubmitted March 05, 2018.

Honors

Biography in Marquis “Who’s Who in Medicine and Healthcare”, 5th Edition (2004-2005)

Intellectual Property

65 International Patents

International world wide patents

WO99/20261A2:
METHODS AND MATERIALS FOR TREATING AND PREVENTING INFLAMMATION
OF MUCOSAL TISSUE
Issued: April 29, 1999

WO 00/65341
EOSINOPHIL DEGRANULATING CONDITIONS
Issued: November 02, 2000

WO 03/75005
FUNGAL ANTIGENS AND EOSINOPHIL ACTIVITY
Issued: September 12, 2003

WO 06/20915
DETECTING FUNGI IN HUMAN SAMPLES
Issued: June 29, 2006

WO 08/27459
DETECTING A BACTERIAL PROCESS IN CHRONIC RHINOSINUSITIS
Issued: December 24, 2008

U.S. patents

U.S. Patent 6,207,703
METHODS AND MATERIALS FOR TREATING AND PREVENTING INFLAMMATION
OF MUCOSAL TISSUE (Asthma)
Issued: March 27, 2001

U.S. Patent 6,291,500
METHODS AND MATERIALS FOR TREATING AND PREVENTING INFLAMMATION
OF MUCOSAL TISSUE (Colitis)
Issued: September 18, 2001

U.S. Patent 6,416,955
EOSINOPHIL DEGRANULATING CONDITIONS
Issued: July 09, 2002

U.S. Patent 6,555,566
METHODS AND MATERIALS FOR TREATING AND PREVENTING INFLAMMATION
OF MUCOSAL TISSUE (Chronic Rhinosinusitis)
Issued: April 29, 2003

U.S. Patent 7,659,080
DETECTING A BACTERIAL PROCESS IN CHRONIC RHINOSINUSSITIS
Issued: FEBRUARY 9, 2010

U.S. Patent 7,662,400
FUNGAL-INDUCED INFLAMMATION AND EOSINOPHIL DEGRANULATION
Issued: FEBRUARY 16, 2010

US Patent No. 7,815,919 titled "Fungus-Induced Inflammation and Eosinophil
Degranulation"
Issued: October 19, 2010

US Patent No. 7,887,820 titled "Fungus-Induced Inflammation and Eosinophil
Degranulation"
Issued 2-15-2011

US Patent No. 7,972,611 titled "Fungus-Induced Inflammation and Eosinophil
Degranulation"
Issued: July 05/2011

Other activities

- 1986 - 1992 Ski instructors in different ski schools (semester vacation)
- 1987 - 1998 Head tour guide and head coach (ski training) for Sunwave GmbH,
Hamburg Germany
- 1992 - 1994 Licensed trainer for ski instructors, German Ski Association
- 1991 - 1997 Firma Jens Ponikau
Owner of a leasing business (practice equipment, cars)
- 1991 - 1994 Chief Executive Officer of PMC (Practice Marketing Consultants) GmbH,
Hamburg, Germany
Business counseling for private medical practices
- 1993-2010 Chief Executive Officer of Sonneck Verwaltungs GmbH and Co KG,
Bitterfeld, Germany
Real Estate Holding
- Since 1999 President
Gromo LLC
Intellectual Property Holding
- Since 2006 President
Gromo Foundation for Medical Education and Research, Inc.
A New York non-profit public charity, which embodies and encourages
innovative creative thinking and research to better understand, treat and
prevent various medical disorders, including rhinosinusitis and asthma.