ACOUSTIC RHINOMETRY REFERENCES

1) Hilberg 0, Jackson AC, Swift DL, Pedersen OF.
Acoustic rhinometry: evaluation of nasal cavity geometry by acoustic reflection.

2) Grymer LF, Hilberg 0, Elbrond 0, Pedersen OF.
Acoustic rhinometry: evaluation of the nasal cavity with septal deviations, before and after septoplasty.
Laryngoscope. 1989 Nov; 99(11): 1180-7

3) Hilberg 0, Grymer LF, Pedersen OF, Elbrond 0.
Turbinate hypertrophy. Evaluation of the nasal cavity by acoustic rhinometry.

4) Lenders H, Pirsig W.
How can hyperreactive rhinopathy be modified surgically? II: Acoustic rhinometry and anterior turbinoplasty.
Laryngorhinootologie. 1990 Jun; 69(6): 291-7

5) Elbrond 0, Hilberg 0, Felding JU, Blegvad-Andersen 0.
Acoustic rhinometry, used as a method to demonstrate changes in the volume of the nasopharynx after adenoidectomy.
Clin Otolaryngol. 1991 Feb; 16(1): 84-6

6) Illum P, Grymer L, Hilberg 0.
Nasal packing after septoplasty.

7) Kase Y, Itimura K, Iinuma T.
An evaluation of nasal patency with acoustic rhinometry, preop. and postop. compensons.
Nipon Jibiinkoka Gakkai Kaiho. 1993 Feb; 96(2): 197-202

8) Grymer LF, Illum P, Hilberg 0.
Septoplasty and compensatory inferior turbinate hypertrophy: a randomized study evaluated by acoustic rhinometry.
J Laryngol Otol. 1993 May; 107(5): 413-7

9) Lildholdt T.
Surgical versus medical treatment of nasal polyps.
Rhinol Suppl. 1989; 8: 31-3
10) Elbrond O, Felding JU, Gustavsen KM.
   Acoustic rhinometry used as a method to monitor the effect of intramuscular injection of
   steroid in the treatment of nasal polyps.

11) Fouke JM, Jackson AC.
   Acoustic rhinometry: effects of decongestants and posture on nasal patency.

12) Weeke J, Christensen SE, Orskov H, Kaal A, Pedersen MM, IIlum P, Harris AG.
   A randomized comparison of intranasal and injectable octreotide administration in
   patients with acromegaly.
   J Clin Endocrinol Metab. 1992 Jul; 75(1): 163-9

13) Yamagiwa M, Hilberg 0, Pedersen OF, Lundqvist GR.
   Evaluation of the effect of localized skin cooling on nasal airway volume by acoustic
   rhinometry.
   Am Rev Respir Dis. 1990 Apr; 141(4 Pt 1): 1050-4

14) Fisher EW, Scadding GK, Lund VJ.
   The role of acoustic rhinometry in studying the nasal cycle.
   Rhinology. 1993 Jun; 31(2): 57-61

15) Kase Y, Tanaka T, Inuma T.
   The effect of unilateral nasal patency on the contralateral side.
   Nippon Jibiinkoka Gakkai Kaiho. 1993 Jul; 96(7): 1073-8

16) O'Flynn P.
   Posture and nasal geometry.

17) Lundqvist GR, Hilberg 0, Pedersen OF, Nielsen B.
   Nasal reactions to changes in whole body temperature.
   Acta Otolaryngol Stockh. 1993 Dec; 113(6): 783-788

18) Kase Y, Hilberg 0, Pedersen OF.
   Posture and nasal patency: Evaluation by acoustic rhinometry.
   Acta Otolaryngol Stockh. 1994 Jan; 114(1): 70 74

19) Rasp G.
   Acoustic rhinometry: measuring the early and late phase of allergic immediate reaction in
   allergic rhinitis.
   Laryngorhinootologie. 1993 Mar; 72(3): 125-30

20) Lenders H, Pirsig W.
   Diagnostic value of acoustic rhinometry: patients with allergic and vasomotor
   rhinitis compared with normal controls.
   Rhinology. 1990 Mar; 28(1): 5-16


31) Pedersen OF, Yamagiwa M, Miyahara Y, Sakakura Y
Nasal cavity dimensions in guinea pigs measured by acoustic reflections.
American Journal of Rhinology 1994; 8:299-307

32) Pedersen OF, Berkowitz R, Yamagiwa M, Hilberg O
Nasal cavity dimensions in the newborn measured by acoustic reflections.
Laryngoscope, August 1994; Vol. 104 No.8


34) G.K. Scadding, Y.C. Darby, C.E. Austin
Acoustic rhinometry compared with anterior rhinomanometry in the assessment of the response to allergen challenge.
Clin. Otolaryngol. 1993: 19,000-000

35) Zavras, et al.
Acoustic rhinometry in the evaluation of children with nasal or oral respiration.

36) Hillberg 0, Pedersen O.F.
Acoustic rhinometry: recommendations for technical specifications and standard operating procedures.
Rhinology Supplement 16,3-17, 2000

37) Ganslmayer M, Spertini F, Rahm F, Terrien M H, Mosimann B, Leimgruber A.
Evaluation of acoustic rhinometry in a nasal provocation test with allergen.
Allergy 1999, 54, 974-979

A comparison of the sensitivity of manometric rhinometry , acoustic rhinometry, rhinomanometry and nasal peak flow to detect the decongestant effect of xylometazoline.
Clin. Otolaryngol. 1995, 20, 000-000

39) Andrew C. Jackson, Dan E. Olson
Comparison of direct and acoustical area measurements in physical models of human central airways.

40) Hamilton JW, McRae RD, Phillips DE, Jones AS
The accuracy of acoustic rhinometry using a pulse train signal.

41) Blackwell Munksgaard
Objective Measurement of Nasal Airway Dimensions using Acoustic Rhinometry: Methodological and Clinical Aspects
Allergy 2002, Supplement 70, Volume 57,


52) Lotta E. Haavisto, M.D., and Jukka I. Sipila, M.D.
Acoustic rhinometry in children: Some practical aspects and influence of age and body surface area on results.

53) Lotta E. Haavisto, Tero J. Vahlberg, Jukka I. Sipila
A follow-up study with acoustic rhinometry in children using nasal insulin.
Rhinology, 48, 95-99, 2010

54) Lotta E. Haavisto, Tero J. Vahlberg, Jukka I. Sipila
Reference values for acoustic rhinometry in children at baseline and after decongestion.

55) Cenk Doruk, Oral Sokucu, A. Altug Bicakci, Ugur Yilmaz and Fikret Tas
Comparison of nasal volume changes during rapid maxillary expansion using acoustic rhinometry and computed tomography.
European Orthodontic Society, 2006

56) Ilknur Haberal Can, Kursad Ceylen, Unal Bayiz, Ali Olmez and Erdal Samim
Acoustic rhinometry in the objective evaluation of childhood septoplasties
International Journal of Pediatric Otorhinolaryngology
Volume 69, Issue 4, Pages 445-448 April 2005

57) Viviane Camargo Marques and Wilma T Anselmo-Lima
Pre- and postoperative evaluation by acoustic rhinometry of children submitted to adenoidectomy or adenotonsillectomy
International Journal of Pediatric Otorhinolaryngology
Volume 68, Issue 3, Pages 311-316 March 2004

58) Lotta E Haavisto, M.D. and Jukka I Sipila, M.D.
Acoustic rhinometry in children: Some practical aspects and influence of age and body surface area on results
Am J Rhinol 22, 416-419, 2008

59) Dokic D, Karlinski D, Isjanovska R, Trajkovska-Dokic E and Filipce I
Measuring nasal volumes with acoustic rhinometry
Prilozi 2010 Jul 31 (1) 339-47

60) Erickson et al. Journal of Otolaryngology – Head and Neck Surgery (201) 45:2

Clinical and Experimental Otorhinolaryngology Vol. 5, No. 3: 156-160, September 2012
Intersession Repeatability of Acoustic Rhinometry Measurements in Healthy Volunteers
Mohammed Dhafer Al Ahmari, MS·Jadwiga Anna Wedzicha, MD·John Robert Hurst, PhD
Academic Unit of Respiratory Medicine, UCL Medical School, London, UK