

CONTRIBUCIÓN DE LA ENDOSCOPIA RÍGIDA EN EL
DIAGNÓSTICO DE LAS MALFORMACIONES
CONGÉNITAS LARINGOTRAQUEALES

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TESIS DOCTORAL

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7. BIBLIOGRAFÍA

bibliograffía

7. BIBLIOGRAFÍA

1. O' Connor DM. Development anatomy of the larynx and trachea. Myer CM, Cotton RT, Shott SR. En: The Pediatric Airway - An Interdisciplinar Approach. J. B. Lippincott Company. 1995; 1:1-14.
2. Henick DH, Holinger LD. Laryngeal Development. Holinger LD, Lusk RP, Green CG. Pediatric Laryngology & Bronchoesophagology. Lippincott - Raven 1997; 1:1-17.
3. Zaw-Tun HA, Burdi AR. Re-examination of the origin and early development of the human larynx. *Acta Anat (Basel)* 1985; 122(3):163-84.
4. Frazer JE. The development of the larynx. *J Anat Physiol* 1910; 44:156-91.
5. Kallius E. Beitrage zur Entwicklungsgeschichte des Kehlkopfes. *Anat Hefte Wiesbaden* 1897; 9:303-63.
6. Walander A. The mechanism of origin of congenital malformations of the larynx. *Acta Otolaryngol (Stockh)* 1955; 45:426-32.
7. Grosser O. The development of the farynx and of the organs of respiration. En: Keibel F, Mall FP, eds. *Manual of human embryology*, vol2. Philadelphia: JB Lippincort, 1912; 2:446-97.
8. Tucker JA. Development of the human air and food passages. En: Bluestone CD, Stool SE, Scheetz MD, eds. *Pediatric otolaryngology*, vol2. Philadelphia: WB Saunders, 1990; 2:17-30.

9. Tucker JA, Tucker GF. A clinical perspective on the development and anatomical aspects of the infant larynx and trachea. En: Healy GB, and McGill J. (eds.): Laryngotracheal problems in the pediatric patient. Springfield, IL: Charles C Thomas, 1979; 3-8.
10. Henick DH. Three dimensional analysis of murine laryngeal development. Ann Otol Rhinol Laryngol 1993; 102 (Suppl 159):3-24.
11. Hart NH, Hopper AF. Development of the face, palate, oral cavity, and pharynx. En: Foundations of animal development, 2nd ed. New York: Oxford University Press, 1985:338.
12. Holinger PH, Zimmermann AA, Parchet VN. A correlation of the embryonic development of the trachea and lungs with congenital malformations. Adv Otorhinolaryngol 1955; 3:1-39.
13. Smith EL. The early development of the trachea and esophagus in relation to atresia of the esophagus and tracheoesophageal fistula. Contrib Embryol Carnegie Inst 1957; 36:41-57.
14. Duprat AD, Costa HO, Eckley CA. Fisiologia laríngea, Anatomia comparada do aparelho deglutofonatório. En: Costa HO, Duprat AD. Laringologia Pediátrica, Editora Roca - São Paulo 1999; 2:7-12.
15. Holinger LD, Green CG. Anatomy. Holinger LD, Lusk RP, Green CG. En: Pediatric Laryngology & Bronchoesophagology. Lippincott - Raven 1997; 2:19-33.
16. Fearon B, Cotton RT. Subglottic stenosis in infants and children: the clinical problem and experimental surgical correction. Can J Otol 1972; 1:281-89.

17. Negus VE. The comparative anatomy and physiology of the larynx. New York: Hafner, 1962:155.
18. Crelin ES. Development of the upper respiratory system. CIBA Pharmaceutical Clinical Symposia 1976; 28(3):1-30.
19. Ferguson CF. Congenital abnormalities of the infant larynx. Otolaryngol Clin North Am 1970; 3:185-200.
20. Wind J. On the phylogeny and the ontogeny of the human larynx. Groningen: Wolters-Noordhoff, 1970:3-118.
21. Williams PL, Warwick R (eds). Gray's anatomy, 36th ed Philadelphia: WB Saunders, 1980:1257.
22. Kouno WK, Lind H. Anestesia em procedimentos na laringe da criança. Costa HO, Duprat AD. Laringologia Pediátrica, Editora Roca - São Paulo 1999; 24:287-96.
23. Schaffer AJ. Diseases of the Newborn. Ed.2.Philadelphia, W.B. Saunders Company, 1965.
24. Holinger PH, Brown WT. Congenital webs, cysts, laryngoceles and other anomalies of the larynx. Ann Otol Rhinol Laryngol 1967; 55:744-52.
25. Holinger LD. Congenital laryngeal anomalies. Holinger LD, Lusk RP, Green CG. En: Pediatric Laryngology & Bronchoesophagology. Lippincott - Raven 1997; 10:137-63.
26. Benjamin B. Diagnostic Laryngology. Adults & Children. W.B. Saunders Company.1990; 1:3-5.

27. Cotton RT, Reilly JS. Congenital malformations of the larynx. En: Bluestone and Stool, eds. *Pediatric Otolaryngology*. Vol II W.B. Saunders Company. Philadelphia, 1983; 66A:1215-24.
28. Belmont JR, Grundfast K. Congenital laryngeal stridor (laryngomalacia): etiologic factors and associate disorders. *Ann Otol Rhinol Laryngol* 1984; 93:430-37.
29. Jackson C, Jackson CL. Diseases and injuries of the larynx. New York: MacMillan, 1942:63-69.
30. Narcy P, Andrieu-Guitrancourt J, Montreuil CB, Desnos J, Garcin M, Morgan A. *Le Larynx de l'enfant*. Arnette, Paris 1979: 152-63.
31. Roger G. Garabédian EN. Laryngomalacie. En: Garabédian EN, Bobin S, Monteil JP, Triglia JM : *ORL de l'enfant* 1996; 18:171-75.
32. Lane RW, Weider DJ, Steinem C, et al. Laryngomalacia. A review and case report of surgical treatment with resolution of pectus excavatum. *Arch Otolaryngol* 1984; 110:546-51.
33. Keleman G. Congenital laryngeal stridor. *Arch Otolaryngol* 1953; 58:245-68.
34. Zalzal GH, Anon JB, Cotton RT. Epiglottoplasty for the treatment of laryngomalacia. *Ann Otol Rhinol Laryngol* 1987; 96:72-76.
35. Shulman JB, Hollister DW, Thibeault DW, Krugman ME. Familial laryngomalacia. A new case report. *Laryngoscope* 1976; 86:84-91.
36. McGill T. Congenital diseases of the larynx. *Otolaryngol Clin North Am* 1984; 17:57-62.

37. Clarós A, Clarós P. Malformaciones laringotraqueales congénitas. En: Tratado de Otorrinolaringología y Cirugía de Cabeza y Cuello. Editorial Proyectos Médicos SL. 1999; 135:1883-93.
38. Gonzalez C, Reilly JS, Bluestone CD. Synchronous airway lesions in infancy. Ann Otol Rhinol Laryngol 1987; 96:77-80.
39. Montreuil F. Bifid epiglottis. Report of a case (abstract). Laryngoscope 1949; 59:194-99.
40. Roger G. Malformations congénitales du larynx. En: Garabédian EN, Bobin S, Monteil JP, Triglia JM : ORL de l'enfant 1996; 21:185-90.
41. Healy GB, Holt GP, Tucker JA. Bifid epiglottis – A rare laryngeal anomaly. Laryngoscope 1976; 86:1459-67.
42. McClay JE, Wiatrak B, Proud VK. Bifid epiglottis and polydactyly: A new genetic syndrome (see moments). Otolaryngol Head Neck Surg 1997; 116:129-33.
43. Lusk RP. Congenital malformations of the larynx. En: Ballenger JJ(ed). Disease of the nose, throat, ear, head and neck. 14th ed. Philadelphia: Lea & Febiger, 1991; 29: 570-77.
44. Wiatrac BJ. Congenital anomalies of the larynx and trachea. Otolaryngol Clin North Am. 2000; 33(1):91-110.
45. Phelan PC, Stocks JG, Williams HE, Danks DN. Familial occurrence of congenital laryngeal clefts. Arch Dis Child 1973; 48:275-78.
46. Holinger LD, Volk MS, Tucker GF Jr. Congenital anomalies associated with tracheal agenesis. Ann Otol Rhinol Laryngol 1987; 96:505-8.

47. Smith RJH, Francis I, Catlin. Congenital anomalies of the larynx. Am J Dis Child 1984; 138(1):35-9.
48. Narcy P, Bobin S, Contencin P, Le Pajolec C, Manac'H Y. Anomalies laryngées du nouveau-né. Ann Oto Laryng (Paris) 1984; 97(6):576-79.
49. Mitchell DB, Irwin BC, Bailey CM, Evans JNG. Cysts of the infant larynx. J of Laryngol and Otol 1987; 101:833-37.
50. Suehs OW, Powell DB. Congenital cyst of the larynx in infants. Laryngoscope 1967; 77:654-62.
51. DeSanto LW, Devine KD, Weiland LH. Cysts of the larynx; classification. Laryngoscope 1970; 80 (1):145-76.
52. Niparko JK, Moran ML, Baker SR. Laryngeal saccular cyst. An unusual clinical presentation. Otolaryngol Head Neck Surg 1987; 97(6):576-79.
53. Pak MW, Woo JKS, Hasselt CAV. Congenital laryngeal cysts: current approach to management. The Journal of Laryngology and Otology 1996; 110:854-56.
54. Canalis RF, Maxwell DS, Hemenway MG. The laryngocele – An update review. J Laryngol 1977; 6(3):191-99.
55. Holinger LD, Barnes DR, Sneid LJ, Holinger PH. Laryngocele y sacular cysts. Ann. Otol. Rhinol. Laryngol. 1987; 78:675-85.
56. McHugh HE, Loch WE: Congenital webs of the larynx. Laryngoscope 1942; 52:48-57.
57. Gay I, Feinmesser R, Cohen T. Laryngeal web, congenital heart disease, and low stature: A syndrome? Arch Otolaryngol 1981; 107:510-12.

58. Cohen SR. Congenital glottic webs in children. A retrospective review of 51 patients. Ann Otol Rhinol Laryngol 1985; 121(suppl):2-16.
59. Willing JP y Cotton RT. Subglottic stenosis in the Pediatric Patient. En: Myer CM, Cotton RT, Shott SR. The Pediatric Airway - An Interdisciplinar Approach. J. B. Lippincott Company. 1995; 7:111-32.
60. Healy GB. Subglottic stenosis. Otol Clin of North Am 1989; 22(3):599-606.
61. Fearon B, Ellis D. The management of long term airway problems in infants and children. Ann Otol Rhinol Laryngol 1971; 80:669-77.
62. McMillan WG, Duval AJ. Congenital subglottic stenosis Arch Otolaryngol 1968; 87:272-8.
63. Lusk RP, Woolley AL, Holinger LD. Laryngotracheal stenosis. En: Holinger LD, Lusk RP, Green CG. Pediatric Laryngology & Bronchoesophagology. Lippincott - Raven 1997; 11:165-86.
64. Smith II, Bain AD: Congenital atresia of the larynx. Ann Otol Rhinol Laryngol 1965; 74:338-49.
65. Sarkar N, Agarwal R, Das AK, Atri S, Aggarwal R, Deorari AK. Congenital airway abnormalities in neonates. Indian Journal of Pediatrics 2002; 69:993-995.
66. Narcy P, Bobin S, Contencin P, Le Pajolec C, Manac'H Y. Anomalies laryngées du nouveau-né. A propos de 687 observations. Ann Oto Laryng (Paris) 1984; 101:363-373.

67. Dedo DD, Dedo HH. Neurogenic diseases of larynx. En: Bluestone CD, Stool SE, Scheets MD. Pediatric Otolaryngology, Philadelphia: WB Saunders, 1990; 1278-784.
68. Holinger LD, Holinger PC, Holinger PH. Etiology of bilateral abductor vocal cord paralysis: a review of 389 cases. Ann Otol Rhinol Laryngol 1976; 85:428-36.
69. Bluestone CD, Delerme AN, Samuelson GM. Airway obstruction due to vocal cord paralysis in infants with hydrocephalus and meningomyelocele. Ann Otol Rhinol Laryngol 1972; 81:778-83.
70. Rothschild MA, Bratcher GO. Bilateral vocal cord paralysis and the pediatric airway. En: Myer CM, Cotton RT, Shott SR. The Pediatric Airway - An Interdisciplinar Approach. J. B. Lippincott Company. 1995; 8:133-50.
71. Cohen SR, Isaacs H Jr. Otolaryngological manifestations of arthrogryposis multiplex congenita. Ann Otol Rhinol Laryngol 1976; 85:484-90.
72. Fitzsimmons JS, Laryngeal stridor and respiratory obstruction associated with meningomyelocele. Arch Dis Child 1965; 40(412):687-8.
73. Gentile RD, Miller RH, Woodson GE. Vocal cord paralysis in children 1 year of age and younger. Ann Otol Rhinol Laryngol 1986; 95:622-25.
74. Stuart WD. Otolaryngologic aspects of myasthenia gravis. Laryngoscope 1965; 75:112-21.
75. Fairley JW, Hughes M. Acute stridor due to bilateral vocal cord paralysis as a presenting sign of myasthenia gravis. J Laryngol Otol 1992; 106:737-8.

76. Denoyelle F. Troubles de la mobilité laringée. En: Garabédian EN, Bobin S, Monteil JP, Triglia JM : ORL de l'enfant 1996; 19:177-179.
77. Waters KA, Woo P, Potsic WP, Wetmore RF, Tom LWC. Vocal cord paralysis in children. *Laryngoscope* 1990; 100:1174-79.
78. Monteil JP. Malformations de la face et du cou. Garabédian EN, Bobin S, Monteil JP, Triglia JM : ORL de l'enfant 1996; 37: 273-316.
79. Willing JP. Laryngeal neoplasms. Myer CM, Cotton RT, Shott SR. *The Pediatric Airway - An Interdisciplinar Approach*. J. B. Lippincott Company. 1995; 15:263-278.
80. Batsakis JG. Tumors of the head and neck: Clinical and pathological considerations, 2nd ed. Baltimore: Williams & Wilkins 1979; 9:220-225.
81. Sweetser TH. Hemangioma of the larynx. *Laryngoscope* 1921; 31:797-800.
82. Clarós P, Viscasillas S, Clarós A, Clarós A Jr.. Lymphangioma of the larynx as a cause of progressive dyspnea. *Inter J Pediatr Otorhinolaryngol* 1985; 9:263-268.
83. Bill AH, Sumner DS. A unified concept of lymphangioma and cystic hygroma surgery. *Surg Gynecol Obstet* 1965; 120:79.
84. Kennedy TL. Cystic hygroma-lymfangioma: a rare and still nuclear entity. *Laryngoscope* 1989; 99:1-10.
85. Zobell DH. Massive neurofibroma of the larynx: A case report. *Laryngoscope* 1964; 74:233-40.

86. Ward PH, Engel E, and Nance WE. The larynx in the cri du chat syndrome. *Trans Am Acad Ophthalmol Otolaryngol* 1968; 72:90-102.
87. Tucker MH. *The Larynx*. Second Edition. Thieme. 1992; 14:279-285.
88. Balquet P, Larroquet M, Gruner M. Malformations congénitales de la trachée. En: Garabédian EN, Bobin S, Monteil JP, Triglia JM : ORL de l'enfant 1996; 23:195-200.
89. Floyd J, Campbell DC, Dominy DE. Agenesis of the trachea. *Am Rev Respir Dis* 1962; 86:557-560.
90. Andrews TM, Myer CM III, Bailey WW, Vester SR. Intrathoracic lesions involving the tracheobronchial tree. En: Myer CM, Cotton RT, Shott SR. *The Pediatric Airway - An Interdisciplinar Approach*. J. B. Lippincott Company. 1995; 13:223-45.
91. Benjamin B. Tracheomalacia in infants and children. *Ann Otol Rhinol Laryngol* 1984; 93:438-42.
92. Blair GK, Cohen R, Filler RM: Treatment of tracheomalacia: Eight years' experience. *J Pediatr Surg* 1986; 21:781-85.
93. Holinger PH, Johnson KC, Parchet VN, Zimmerman AA. Congenital malformation of the trachea, bronchi and lung. *Ann Otol Rhinol Laryngol* 1951; 61:1104-59.
94. Holinger LD, Green CG, Benjamin B, Sharp JK. Tracheobronchial tree. En: Holinger LD, Lusk RP, Green CG. *Pediatric Laryngology & Bronchoesophagology*. Lippincott - Raven 1997; 12:187-213.
95. Benjamin B. Endoscopy in esophageal atresia and tracheoesophageal fistula. *Ann Otol Rhinol Laringol* 1981; 90:376-82.

96. Wailoo MP, Emery JL. The trachea in children with tracheoesophageal fistula. *Histopathology* 1979; 3:329-38.
97. Benjamin B, Cohen D, Glasson M. Tracheomalacia in association with congenital tracheoesophageal fistula. *Surgery* 1976; 79:504-8.
98. Zeitels SM. Premalignant epithelium and microinvasive cancer of the vocal fold: the evolution of phonemicrosurgical management. *Laryngoscope* 1995; 105:1-51.
99. Bull PD. Evaluation of the pediatric airway by rigid endoscopy. *Practical Pediatric Otolaryngology*. 1999; 29A:477-81.
100. Andrea M, Dias O, Paço J. Endoscopic anatomy of the larynx. *Current Opinion in Otolaryngology & Head and Neck Surgery* 1994; 2: 271-75.
101. Friedman EM, Healy GB, Williams M, McGill TGI. Pediatric endoscopy: review of 616 cases. *Ann Otol Rhinol Laryngol* 1984; 93:517-19.
102. Strife JL, Emery KH. Imaging of airway obstruction in infants and children. En: Myer CM, Cotton RT, Shott SR. *The Pediatric Airway - An Interdisciplinar Approach*. J. B. Lippincott Company. 1995; 4:45-66.
103. Contencin P, Gumpert LC, Gaudemar I, Chaussain M, Dupont C. Non-endoscopic techniques for the evaluation of the paediatric airway. *Inter J Pediatr Otorhinolaryngol*, 41-3(1997) 347-52.
104. Silberman HD, Tucker JA, Hampel A. Flexible neonatalscope. *Ann Otol Rhinol Laryngol* 1984; 93:471-72.

105. Garabédian EN. Sémiologie et approche diagnostique. En: Garabédian EN, Bobin S, Monteil JP, Triglia JM : ORL de l'enfant 1996; 16:163-66.
106. Healy GB. Current management of lesions of the pediatric larynx. Ann Otol Rhinol Laryngol 1987; 96:122-23.
107. Benjamin B. Endolaryngeal Surgery. Martin Dunitz Ltd 1998; 6:69-81.
108. Andrea M, Dias O, Santos A. Contact endoscopy during microlaryngeal surgery. A new technique for endoscopic examination of the larynx. Ann Otol Rhinol Laryngol 1995; 104:333-339.
109. Andrea M, Dias O, Santos A. Contact endoscopy of the vocal cord. Normal and pathological patterns. Acta Otolaryngol (Stock.) 1995; 115:314-316.
110. Kennedy JH. "Silent" gastroesophageal reflux: an important but little known cause of pulmonary complications. Dis Chest 1962; 42:42-46.
111. Puhakka H, Kero P, Valli P, Lisalo E, Erkinjuntti M. Pediatric bronchoscopy. A report of methodology and results. Clin Pediatr 1989; 28:253-257.
112. Hoeve LJ, Rombout J. Pediatric laryngobronchoscopy: 1332 procedures stored in a data base. Int J Pediatr Otorhinolaringol 1992; 24:73-82.
113. Ungkanont K, Friedman EM, Sulek M. A retrospective analysis of airway endoscopy in patients less than 1-month old. Laryngoscope 1998; 108:1724-28.

- 114 - McLean WH, Irvine AD, Hamill KJ, Whittock NV, Coleman-Campbell CM, Mellerio JE, Ashton GS, Dopping-Hepenstal PJ, Eady RA, Jamil T, Phillips RJ, Shabbir SG, Haroon TS, Khurshid K, Moore JE, Page B, Darling J, Atherton DJ, Van Steensel MA, Munro CS, Smith FJ, McGrath JA. An unusual N-terminal deletion of the laminin alpha3a isoform leads to the chronic granulation tissue disorder laryngo-onycho-cutaneous syndrome. *Hum Mol Genet.* 2003 Sep 15; 12(18):2395-409.
- 115 - Leachman SA, Kaspar RL, Fleckman P, Florell SR, Smith FJ, McLean WH, Lunny DP, Milstone LM, van Steensel MA, Munro CS, O'Toole EA, Celebi JT, Kansky A, Lane EB. Clinical and pathological features of pachyonychia congenita. *J Investig Dermatol Symp Proc.* 2005 Oct; 10(1):3-17.
- 116 - Gilger MA. Pediatric otolaryngologic manifestations of gastroesophageal reflux disease. *Curr Gastroenterol Rep.* 2003 Jun; 5(3):247-52.
117. Lindhal H, Rintala R, Malinen L, Leijala M, Sairanen H. Bronchoscopy during the first month of life. *J Pediatr Surg* 1992; 27(5):548-550.
118. Cohen SR, Eavey RD, Desmond MS, May BC. Endoscopy and tracheotomy in the neonatal period. A 10-year review, 1967-1976. *Ann Otol Rhinol Laryngol* 1977; 86:577-583.
119. Papay FA, McCarthy VP, Eliachar I, Arnold J. laryngotracheal anomalies in children with craniofacial syndromes. *The Journal of Craniofacial Surgery* 2002; 13:351-364.
120. Puhakka H, kero P, Erkinjuntti M. Pediatric bronchoscopy during a 17-year period. *Inter J Pediatr Otorhinolaryngol* 1987; 13:171-180.

121. Holzki J, Laschat M, Stratmann C. Stridor in the neonate and infant. Implications for the paediatric anesthetist. Prospective description of 155 patients with congenital and acquired stridor in early infancy. *Paediatric Anesthesia* 1998; 8:221-227.
- 122 Holinger LD. Etiology of stridor in the neonate, infant and child. *Ann Otol Rhinol Laryngol* 1980; 89:397-400.
123. Jimenez AA, Moreno FD, Fernandez FP, Laringomalacia: Una revisión de 42 casos. *Acta Otorrinolaring Esp* 1992; 43(4):250-252.
124. Hawkins DB y Clark RW. Flexible laryngoscopy in neonates, infants, and young children. *Ann Otlo Rhinol Laryngol* 1987; 96:81-5.
125. Narcy P, Bobin S, Contencin P, Le Pajolec C, Manac'H Y. Anomalies laryngées du nouveau-né. A propos de 687 observations. *Ann Oto Laryng (Paris)* 1984; 101:363-373.
- 126 - Smith JL 2nd, Sweeney DM, Smallman B, Mortelliti A. State-dependent laryngomalacia in sleeping children. *Ann Otol Rhinol Laryngol*. 2005 Feb; 114(2):111-4.
- 127 - Stevens CA, Ledbetter JC. Significance of bifid epiglottis. *Am J Med Genet A*. 2005 May 1; 134(4):447-9.
128. Weingaertner M. Angeborenen Missbildungen des Kehlkopfes. *Arch Laryngol Rhinol* 1920; 7:18-730.
129. Pak MW, Woo JKS, Hasselt CAV. Congenital laryngeal cysts: current approach to management. *J Laryngol Otol* 1996; 110:854-6.

130. Gaudemar I, Roudaire M, François M, Narcy P. Outcome of laryngeal paralysis in neonates: a long term retrospective study of 113 cases. *Int J Paediatr Otorhinolaryngol* 1996; 34:101-110.
131. Rosin DF, Handler SD, Potsic WP, Wetmore RF, Tom LWC. *Laryngoscope* 1990; 100:1174-1179.
- 132 - Miyamoto RC, Parikh SR, Gellad W, Licameli GR. Bilateral congenital vocal cord paralysis: a 16-year institutional review. *Otolaryngol Head Neck Surg.* 2005 Aug; 133(2):241-5.
133. Ardito JM, Ossoff RH, Tucker GF, De Leon S. Innominate artery compression of the trachea in infants with reflex apnea. *Ann Otol Rhinol Laryngol* 1980; 89:401-405.
- 134 - Boogaard R, Huijsmans SH, Pijnenburg MW, Tiddens HA, de Jongste JC, Merkus PJ. Tracheomalacia and bronchomalacia in children: incidence and patient characteristics. *Chest*. 2005 Nov; 128(5):3391-7.
- 135 - Yalcin E, Dogru D, Ozcelik U, Kiper N, Aslan AT, Gozacan A. Yalcin E, Dogru D, Ozcelik U, Kiper N, Aslan AT, Gozacan A. Tracheomalacia and bronchomalacia in 34 children: clinical and radiologic profiles and associations with other diseases. *Clin Pediatr (Phila)*. 2005 Nov-Dec; 44(9):777-81.
136. Denneny JC. Bronchomalacia in the neonate. *Ann Otol Rhinol Laryngol* 1985; 94:466-9.
- 137 - Berrocal T, Madrid C, Novo S, Gutierrez J, Arjonilla A, Gomez-Leon N. Congenital anomalies of the tracheobronchial tree, lung, and mediastinum: embryology, radiology, and pathology. *Radiographics*. 2004 Jan-Feb; 24(1):e17.

138 - Claes J, Boudewyns A, Deron P, Vander Poorten V, Hoeve H.
Management of stridor in neonates and infants.
B-ENT. 2005; Suppl 1:113-22.

BIBLIOGRAFÍA DE LAS FIGURAS DE LA INTRODUCCIÓN

1. Holinger LD, Lusk RP, Green CG. PediatricA Laryngology & Bronchoesophagology. Lippincott - Raven 1997.
2. Myer CM, Cotton RT, Shott SR. The Pediatric irway- An Interdisciplinar Approach. J. B. Lippincott Company. 1995.
3. Tucker MH. The Larynx. Second Edition. Thieme. 1992.
4. Bluestone CD, Rosenfeld RM. Surgical atlas of pediatric otolaryngology. BC Decker Inc, Hamilton, London. 2002.
5. Engel RM. et al. 1999. History of Endoscopy. Vol.I-IV.

