

**February 2007**

**CURRICULUM VITAE**

***RAFAEL CLAUDINO BOTERO, M.D.***

**Date of Birth :** October 25, 1948

**Place of Birth :** Medellín, Colombia, S.A.

### **CURRENT ADDRESS**

**Work: Division of** Gastroenterology and Hepatology and Nutrition  
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### **HIGHER EDUCATION AND DEGREES**

#### **College :**

University of Antioquia, Medellín, Colombia: January 1967- January 1968,  
Calle 67 No 53-108, Phone 574 263 0011, Fax 574 263 8282, Home Page:  
[www.udea.edu.c](http://www.udea.edu.c)

#### **Medical School:**

University of Antioquia School of Medicine : Feb 1968- Jan 1974.  
Carrera 51D No 62-29, Medellín, Colombia, S.A. Phone 574 510 6000, Fax  
574 263 0253. Dean: Alberto Uribe.

### **INTERNSHIP, RESIDENCY, FELLOWSHIP**

#### **Rotatory Internship :**

Hospital Universitario San Vicente de Paul: Jan 1973-Jan 1974. Calle 64 x  
Carrera 51D, Medellín, Colombia, S.A. Phone 574 263 5353, Fax 574 263  
4475.

Department Chairman: Juan M Toro.

#### **Straight Medical Internship :**

University of Miami affiliated Hospitales July 1977- July 1978. 1500 NW  
12<sup>th</sup> Avenue, Room 800

Program Director: Mark A. Gelbard

Department Dean: Laurence B. Gardner

**Internal Medicine Residence:**

Department of Internal Medicine, University of Antioquia, San Vicente de Paul University Hospital: 08-1975 to 03-1976. Calle 64 x Carrera 51D, Medellin, Colombia, S.A., Phone 574 263 5353, Fax 574 263 4475, email: [minterna@medicina.udea.edu.co](mailto:minterna@medicina.udea.edu.co)

University of Miami affiliated Hospitals, Miami, Florida, U.S.A. : July 1978- July 1980. 1500 NW 12<sup>th</sup> Avenue, Room 800, Miami, Florida, 33136, Phone 305 243 6826, Fax 305 243 6830.

Program Director: Mark Gelbard

Department Chairman: Laurence B. Gardner.

**Post Doctoral Fellowship in Clinical Hepatology :**

University of Miami affiliated Hospitals, Miami, Florida, U.S.A. : July 1980- July 1981.

1500 NW 12<sup>th</sup> Avenue No 1101, Miami, Florida 33136.

Email: [p.villaco@med.miami.edu](mailto:p.villaco@med.miami.edu)

Program Director: Eugene R. Schiff

Department Chairman: Laurence B. Gardner

**Other Educational Activities:****English as a Second Language:**

Berlitz Language Center

520 Post Oak Boulevard, Suite 500 , Houston, TX 77027

Phone: 713.626.7844, Fax: 713. 626.0624: March 1975-July 1975

**CERTIFICATES AND LICENSURES**

Diplomate ECFMG : Jan 23, 1974

Diplomate Florida Board of Medical Examiners : Feb 27, 1980

Diplomate American Board of Internal Medicine : September 9, 1980

Diplomate Federal License Examination (FLEX): April 29, 02

Diplomate Wisconsin Board of Medical Examiners Number 44468-020: May 8, 2002.

Diplomate SPEX Examination 2004

Diplomate Texas Board of Medical Examiners 2007

**HONORS AND AWARDS**

National Hepatology award : Colombian Association of Hepatology, 1993

Excellence in Internal Medicine: Colombian Association of Internal Medicine (ACMI), August 1992.

Best Employee of the Month: Fundación Santa Fe de Bogota, December 1997.

Transplant Team National Award for Excellence  
American Liver Foundation, Houston, Texas July 16,2004.

### **ACADEMIC APPOINTMENTS**

**Clinical Instructor**, Department of Internal Medicine, University of Antioquia, School of Medicine, Medellín, Colombia, S.A. : July 1981-June 1984. San Vicente de Paul University Hospital, Department of Internal Medicine, Second Floor, Medellín ; Colombia, S.A. Phone 571 263 79947  
Department Chief: Juan M Toro.

**Adjuvant Professor of Medicine**, Department of Internal Medicine, Nacional University of Colombia, Bogotá, Colombia, S.A. : March 1, 1987- Feb 29, 1988. Phone : 574 316 5252/5000

Email: [gestionunal@yahoo.com.co](mailto:gestionunal@yahoo.com.co)

Department Chief: Oscar Gutierrez.

**Assistant Professor of Medicine**, Department of Internal Medicine, Colombian School of Medicine, Bogotá, Colombia: July 1,1990-December 12, 1999. . Transv 9A Bis No 133-25, Bogotá, Colombia, S.A.

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Dean: Hernando Matiz

**Adjuvant Faculty Member**: The William J Harrington Medical Training Programs for Latin America, University of Miami Department of Medicine. 1500 NW 12<sup>th</sup> Avenue, Suite 800, Miami, Florida 33136.

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Department Chief: Laurence D. Gardner

**Associate Professor of Medicine**, Department of Internal Medicine, Universidad del Rosario, Bogotá : May 2000-June 30, 2002.

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Department Chief: Leonardo Palacio

Dean: Rafael Riveros.

**Visiting Professor of Medicine,** Gastroenterology and Hepatology  
Section, Department of Internal Medicine, University of Wisconsin  
Medical School, July 1, 2002-April 7, 2003  
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Section Chief: Michael R. Lucey  
Department Chief: Geoffrey Glassroth

**Professor of Medicine,** Gastroenterology and Hepatology Section,  
Department of Internal Medicine, University of Wisconsin  
Medical School, April 8, 2003.  
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Section Chief: Michael R. Lucey  
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**Associate Professor of Medicine,** Division of Gastroenterology,  
Hepatology and Nutrition, Department of Internal Medicine, University of  
Texas Medical School, Houston, July 1, 2003-July 26, 2004.  
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Email: [rafael.c.botero@uth.tmc.edu](mailto:rafael.c.botero@uth.tmc.edu)  
Section Chief: Gene LeSage  
Department Chief: Bruce Conn

#### **ADMINISTRATIVE AND COMMITTEE RESPONSIBILITIES**

Chief Gastroenterology and Hepatology Service, Department of Internal  
Medicine, University of Antioquia School of Medicine, Medellín,  
Colombia, S.A. 1982-1984.

Chief Gastroenterology and Hepatology Service, Department of Internal  
Medicine, Fundación Santa Fe de Bogotá, Bogotá, Colombia, S.A. : 1988-  
1991.

Associate Chief of Internal Medicine, Department of Internal Medicine,  
Fundación Santa Fe de Bogotá, Bogotá, Colombia, S.A. : 1985-1986.

Coordinator Internal Medicine Residency Program, Department of Internal  
Medicine, Fundación Santa Fe de Bogotá, Bogotá, Colombia, S.A: 1990-  
1991.

President Colombian Association of Hepatology : 1991-1993

Secretary Colombian Society of Gastroenterology : 1991-1993

Executive Secretary XII Colombian Congress of Internal Medicine : 1992-1994.

President Scientific Committee XIV Congress of Internal Medicine : 1994-1996.

Director Institute of Hepato-Biliary Diseases, Fundación Santa Fe de Bogota, Bogota, Colombia,S.A: : 1986-1988

Medical Executive Committee, Fundación Santa Fe de Bogota, Bogota, Colombia, S.A. : 1994-1997.

Director Division of Education, Fundación Santa Fe de Bogota, Bogota,Colombia, S.A. : 1994-1997.

Coordinator Organ Transplantation Service, Fundación Santa Fe de Bogota, Bogotá, Colombia, S.A. : 1997-2000.

First Vice-President Latinamerican Association for the Study of the Liver (ALEH), Nov 2000-June 30, 2002.

Medical Director Fundación Cardio-Infantil, Bogotá, Colombia, May 2000-February 2002..

Member Research Committee, Universidad del Rosario, Bogotá, Colombia: Feb 2001-Feb 2002.

Chief Department of Internal Medicine, Universidad del Rosario, Fundación Cardio-Infantil, Bogotá, Feb 2001-Feb 2002.

Chief Hepatology and Medical Director Liver Transplant Program

Division of Gastroenterology, Hepatology and Nutrition, Department of Internal Medicine, University of Texas Medical School, Houston  
July 2003-February 2007.

Member American Association for Study of the Liver (AASLD) Program Evaluation Committee Nov 2006-Nov 2008.

## **PROFESSIONAL EXPERIENCE**

### **Rural practice :**

Támesis Hospital, Sectional Health Service, Támesis, Antioquia, Colombia, S.A. : March 7, 1974-March 7, 1975.

House Physician : Pablo Tobón Uribe Hospital, Medellín, Colombia, S.A. :  
March 1976-June 1977. . Calle 78B No 79-240 Medellín, Colombia, S.A.  
Phone 574 4415252, Fax 574 1440

Home Page: [www.hptu.org.co](http://www.hptu.org.co)

Chief of Staff : Ivan D Velez

Department Chief: Diana Molina.

**House Physician :** North Shore Hospital, Miami, Florida, U.S.A. : July 1980- July 1981. 1100 NW 95<sup>th</sup> Street, North Miami, Florida, 33150.

Phone: 305 835 6000

Home Page: [www.tenethealth.com/northshore](http://www.tenethealth.com/northshore)

Chief of Staff:

**Internal Medicine and Hepatology Specialist :**

Medical Society of Antioquia (SOMA), Medellín, Colombia, S.A. : July 1981-June 1984. Calle 51 No 45-93, Medellín, Colombia, S.A.

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Chief of Staff: Juan F Gonzalez

**Internal Medicine and Hepatology Specialist :**

Fundación Santa Fe de Bogotá, Bogotá, Colombia, S.A. : July 3 1984-June 30, 2002.

Calle 116 No 9-02, Bogotá, Colombia, S.A.

Phone 571 603 0303, Fax

Email: atención-usuario@fsfb.org.co

Chief of Staff: Jaime Toro

Department Chief: Mario Bernal.

**Internal Medicine and Hepatology Specialist :**

Fundación Cardio-Infantil, Bogotá, Colombia : May 2000-June 30, 2002.

Calle 163 A No 28-60, Bogotá, Colombia, S.A.

Phone 571 673 0799, Fax 571 679 1236.

Home Page: [www.cardioinfantil.org](http://www.cardioinfantil.org)

Chief of Staff: Reinaldo Cabrera

Department Chief: Enrique Ponce de Leon.

**SOCIETY MEMBERSHIP AND OFFICES**

American Association for the Study of Liver Diseases (AASLD)

Latin American Association for The Study of The Liver (ALEH)

Colombian Association of Hepatology

Colombian Society of Gastroenterology

Colombian Association of Endoscopy

Colombian Association of Internal Medicine (ACMI)

Colombian Association of Clinical Nutrition

Medical Academy of Medellín

Colombian Association of Organ Transplantation

Medical Association of Bogotá

International Liver Transplantation Society (ILTS)

European Association For The Study of The Liver (EASL)

Colombian Association of Hepatic and Renal Patients (ACEHR)

Peruvian Society of Gastroenterology

AASLD Meeting Committee Nov 2006-Nov 2007.

## **CURRENT RESEARCH ACTIVITIES**

Preemptive Treatment of HCV Infection post Liver Transplantation.

Epidemiology of HCV in hemodialysis and renal transplant patients.

Tailoring of Ribavirin levels for the treatment of HCV

HCV and NAFLD

TIPS in Spanish patients

## **CONFERENCES AND LECTURES**

### **LOCAL**

Management of Ascites. Department of Internal Medicine, Pablo Tobon Uribe Hospital, Medellin, Colombia 1981.

Diagnostic Laparoscopy in Internal Medicine. Academy of Medicine, Medellin, Colombia 1984.

Diagnostic Laparoscopy. Colombian Society of Laparoscopy, Medellin, Colombia 1984.

Hepato-Pulmonary Syndrome. Fundacion Santa Fe de Bogota, Bogota, Colombia, 1984.

Liver Abscess. Medical-Clinic Conference, Department of Internal Medicine, University of Antioquia, Medellin, Colombia, 1984.

Viral Hepatitis. Fundacion Santa Fe de Bogota, Bogota, Colombia 1985

Nutrition and Liver Disease. Colombian Society of Clinical Nutrition, Bogota, Colombia 1987.

Liver Biopsy: Clinical-Pathological Correlation. Colombian Society of Pathology 1987.

Liver Function Test. Annual Internal Medicine Course, Fundacion Santa Fe de Bogota, Colombia 1988.q

Viral Hepatitis: From A to E. Industrial University of Santander, Bucaramanga, Colombia 1990.

Immuno-Diagnosis of Viral Hepatitis. Colombian Society of Gastroenterology, Cucuta, Colombia 1991.

Viral Hepatitis. Colombian Society of Gastroenterology, Ibague, Colombia 1992.

Imaging in Liver Disease. Colombian Society of Gastroenterology, Cartagena, Colombia 1994.

Viral Hepatitis. Colombian Society of Gastroenterology, Cali, Colombia, 1993.

Treatment of Chronic Hepatitis B and C. Colombian Society of Gastroenterology, Medellin, Colombia 1998.

Physio-Pathology of the Liver. Universidad del Rosario, School of Medicine, 3th Semester Medical Students 1986-1990.

Hepatitis C. Meeting of the National Institute of Health (INAS), Bogota, Colombia 1995.

Liver Transplantation at Fundacion Santa Fe. Fundacion Santa Fe de Bogota, Bogota, Colombia 1999.

Hepatitis C. National Institute of Cancer, Bogota, Colombia 1999.

The Importance of the Liver. First Course of Liver Diseases for patients and families, Fundacion Cardio-Infantil, Bogota 2000.

Perioperative Liver Problems. Annual Course of Anesthesia, Fundacion Santa Fe de Bogota, Bogota, Colombia 2000.

Hepatocelular Carcinoma. Meeting of Colsanitas, Bogota, Colombia 2001.

Nutrition and Liver Disease. Fundacion Santa Fe de Bogota, Annual Nutrition Course, 2001.

Long Term Management of Liver Transplantation. Second Course of Liver Diseases for patients and families, Fundacion Cardio-Infantil, Bogota 2001.

Viral Hepatitis. Colombian Academy of Medicine, Bogota, Colombia 2001.

Wilson Disease. Weekly Conference, Department of Internal Medicine, University of Wisconsin Medical School, William J Middleton, VA, Hospital, Madison, Wisconsin, January 22, 2003.

Role of MARS in Liver Failure. Weekly Conference, Transplantation Service, Department of Surgery, University of Wisconsin, Medical School. Madison, Wisconsin, January 27, 2003.

Diagnosis and Management of Chronic Hepatitis. Clinical Medicine Course for the Physician Assistant students. Department of Family Medicine, University of Wisconsin-Madison, Medical School, April 14, 2003.

Parasitic Liver Disease. GI Grand Rounds Gastroenterology and Hepatology Section, Department of Medicine, University of Wisconsin-Madison, Medical School, April 15, 2003.

Portal Hypertension: Grand Rounds Division of Gastroenterology, Hepatology and Nutrition, University of Texas-Houston, September 2003.

HCV Treatment: MD Anderson Cancer Center, Liver Tumor Group Conference, October 2003.

The Renal Patient and HCV: 4<sup>th</sup> Annual Hepatitis Course, Division of Gastroenterology, Hepatology and Nutrition, University of Texas-Houston, November 22, 2003.

Viral Hepatitis : Junior Student Core Curriculum Course, University of Texas Medical School-Houston: October 2003.

Viral Hepatitis : Junior Student Core Curriculum Course, University of Texas Medical School-Houston: November 2003.

Hepatitis C: Update, Texas Transplantation Society, 16<sup>th</sup> Annual Meeting, Austin, Texas, June 27, 2004.

Viral Hepatitis : Junior Student Core Curriculum Course, University of Texas Medical School-Houston: July 8 2004.

Acute Liver failure : Grand Rounds Department of Medicine, University of Texas Medical School-Houston, LBJ Hospital, August 2004.

Acute Liver failure : Grand Rounds Department of Medicine, University of Texas Medical School-Houston, September 21, 2004.

Hemochromatosis: It's never too late. Grand Rounds Department of Medicine, University of Texas Medical School-Houston, Texas. September 20, 2005.

### **NATIONAL**

Jaundice: Clinical Aspects. National Congress of Internal Medicine, Medellin, Colombia 1981

Diagnostic Laparoscopy. National Convention of Gastroenterology, Neiva, Colombia 1984.

Nutritional Management in Cirrhosis. Colombian Society of Clinical Nutrition, Medellin, Colombia 1988.

NonA-NonB Hepatitis and Blood Banks. Colombian Society of Laboratory Medicine, Bogota, Colombia 1990.

Liver Transplantation in Colombia. National Convention of Gastroenterology, Barranquilla, Colombia 1992.

Natural History of Gallstones. National Convention of Gastroenterology, Barranquilla, Colombia 1992.

S-Adenosyl-Methionine in viral hepatitis A, B and NANB. National Convention of Hepatology, Bogota, Colombia 1993.

Portal Hypertension. Colombian Congress of Internal Medicine, Medellin, Colombia 1995.

Epidemiology and Natural History of Hepatitis C. Colombian Congress of Infectious Diseases, Cartagena, Colombia 1996.

Acute Liver Failure. Colombian Congress of Critical Care, Cartagena Colombia 1997.

HCV Genotypes in Santa Fe de Bogotá. Colombian Congress of Internal Medicine, Bogota, Colombia 1997.

Hepatitis C: Standars of treatment. First Colombian Consensus of Hepatitis C. Colombian Society of Hepatology, Bogota, Colombia 1999.

The Liver and Autoimmunity. Colombian Society of Rheumatology: National Meeting, Cartagena, Colombia 2001.

## **INTERNATIONAL**

Chronic Hepatitis B and NonA-NonB. Latin\_American Association for the Study of the Liver (ALEH), Medellin, Colombia 1986.

Hepatitis C. University of Costa-Rica Medical School, San Jose 1988.

Treatment of Chronic NonA-NonB Hepatitis with Interferon Alfa. International Meeting of the Institute of Research and Technology, Habana, Cuba, 1995.

Viral Hepatitis Vaccines. Latin-American Association for the Study of the Liver (ALEH), Buenos Aires, Argentina 1995.

Hepatitis C. Venezuelan Society of Gastroenterology, Barquisimeto, Venezuela 1996.

Hepatitis C. International Group AIGE for the Study of Viral Hepatitis. Dominican Republic 1996.

Hepatitis C: Predictors of Response for the Treatment of Chronic Hepatitis C. Latin-American Association for the Study of the Liver (ALEH), Sao-Paulo, Brazil 1997.

Hepatitis C. Peruvian Society of Gastroenterology, Lima, Peru 1998.

Natural History of Hepatitis C. Meeting of Medica-Sur Hospital, Mexico City, Mexico 1998.

Liver Transplantation in Children. Peruvian Society of Gastroenterology, Lima, Peru, 1999.

Hepatitis C Treatment. Peruvian Society of Gastroenterology, Lima Peru, 1999.

Primary Biliary Cirrosis. Panamerican Congress of Gastroenterology, Dominican Republic 1999.

Hydatidosis of the Liver. Latin-American Association for the Study of the Liver, Acapulco, Mexico 1999.

Treatment of Hepatitis C with Pegylated Interferon, Schering-Plough Latin-American Meeting, Puerto Rico, May 25, 2000.

Peginterferon Alfa 2B in the Treatment of Hepatitis C. Panamerican Congress of Gastroenterology, Lima, Peru, 2001.

American and European Hepatitis C Consensus: II International Course of Hepatology, Latin-American Society for the Study of the Liver (ALEH). Cartagena, Colombia, S.A., May 30, 2003.

Chronic HCV Infection in Hemodialysis and Kidney Transplant Patients. IASL/ALEH Congress, State of the Art Lecture, Salvador, Bahia, Brazil, March 2004.

Flare up of transaminases in patients with chronic viral hepatitis. Difficult to treat hepatitis symposium. IASL/ALEH Congress, Salvador, Bahia Brazil. March 2004.

State of the Art Lecture: Fulminant Liver failure  
State of the Art Lecture: Medical Problems post Liver Transplantation. . IV International Meeting: Liver Diseases: I Colombo-Venezuelan Hepatology Meeting. Caracas , Venezuela, May 2005.

## **BIBLIOGRAPHY**

### **Original Reports**

1. Botero RC. Diagnostic Laparoscopy in Internal Medicine Antioquia Médica 1984;33, No 1: 5-20.
2. Betancur J, Usma LH, Botero RC. Peritoneal tuberculosis in a University Hospital. Acta Médica Colombiana 1984.
3. Quintero GA, Patiño JF, Botero RC, et al: End-Stage Hepatic Failure: Nutritional Assessment and Management before Liver Transplantation. Revista Colombiana de Cirugía 1990; 5, No 1: 3841
4. Quintero G, Espinosa H, Piñeres G, Ariza A, Zundel N, Botero RC, et al. Roux in Y hepaticojejunostomy with subcutaneous acces and the use of Gianturco stents for the management of biliary tract strictures. World J Surgery 1992; 16: 1178-1182.
5. Cavanzo F, García C, Botero RC. Epidermolysis, Paucity of Intrahepatic Bile Ducts and Pure Red Cell Aplasia as an Immune Response to Ampicillin. Gastroenterology 1990; 99(3) : 854-6.
6. Umaña JP, Quintero G, Botero RC. Management of fulminant liver failure. Experience at Santa Fe Foundation. Acta Médica Colombiana 1990; 15 No 1: 12-20.
7. Ruan E, Botero RC, Quintero G, Ucros G. Utility of serum bile acids in the diagnosis of hepatobiliary diseases. Acta Médica Colombiana 1992; 17 No 1: 16-21.
8. Vargas CA, Maldonado O, Botero RC, et al. Budd Chiari Syndrome associated with hipereosinophilic syndrome. American J of Gastroenterology 1993; 88: 1802-1803.
9. Rosas F, Matijasevic E, Sierra F, Botero RC, et al. Hepatitis C virus and Hepatocarcinoma. Presentation of a case and review of the literature. Acta Médica Colombiana 1992; 17 No 6: 453.
10. Botero RC, Delgado C. S-Adenosyl-Methionine in viral hepatitis A, B and NANB. Revista Colombiana de Gastroenterología 1993; 8 No 4: 181-191.
11. Botero RC, Rojas E, Idrovo V, et al. HCV Genotypes in Santa Fe de Bogotá. Revista Colombiana de Gastroenterología 1997; 12 No 1: 15-20.

12. International Group AIGE for the Study of Viral Hepatitis : Garassini M, Archila PE, Botero RC et al: Hepatitis C: Frequency of Risk Factors in Colombia, Cuba, Dominican Republic and Venezuela. *Revista Colombiana de Gastroenterología* 1998; XIII NO 1: 19-24.
13. International Group AIGE for the Study of Viral Hepatitis : Garassini M, Archila PE, Botero RC et al: Hepatitis C: Clinical, Biochemical and Histological Profile in Colombia, Cuba, Dominican Republic and Venezuela. *GEN* 1998; 52 No 2: 90-95.

### **REVIEW ARTICLES**

1. Botero RC: Medical Aspects of Sclerosing Cholangitis. *Cirugía* 1986; 1, No 2: 91-93.
2. Botero RC: Immuno-diagnosis of Viral Hepatitis. *Medicas UIS* 1992; VI No 4: 196-203.
3. Botero RC: Hepatitis C: Standards of Treatment. National Consensus of Hepatitis C. Colombian Association of Hepatology October 17, 1999: 24-34.
4. Botero RC: Portal Hypertension. *Revista Colombiana de Gastroenterología*.
5. Botero RC, Lucey MR. Organ Allocation: MELD, CTP, Mayo Risk Score or Something Else. *Clinics in Liver Disease* 2003.
6. Botero RC. Should HCV Positive patients be Transplanted. *Transplantation Proceedings* 2004;36:1449-1454.
7. Tome M S, Botero RC, Lucey MR. The MELD System and Organ Allocation Policies: Lessons after the First Year of Implementation in the United States. *Gastroenterologia y Hepatologia* 2004;27(01):35-40.
8. C. Egwin and R.C. Botero. Is Hepatitis B Immunoglobulin Prophylaxis Needed for Liver Transplantation in the Era of New Antivirals ? *Transplantation Proceedings* 2005 (June Issue).

### **CHAPTERS**

1. Botero RC, Caralis P, Schiff ER. Treatment of Ascites, In : Nord HJ, Brady P (eds). *Critical Care Gastroenterology*. New York, Churchill Livingstone, Inc 1982, 27-37.
2. Botero RC. Bilirubin Metabolism. In : Velez H, Borrero J, Restrepo M J, Rojas W (eds). *Fundamentals of Medicine*, 2th edition, 1982.
3. Botero RC. Jaundice. In : Velez H, Borrero J, Restrepo M J, Rojas W (eds). *Fundamentals of Medicine*, 2th edition, 1982.
4. Botero RC. Clinical evaluation of the icteric patient. In : Velez H, Borrero J, Restrepo M J, Rojas W (eds). *Fundamentals of Medicine*, 2th edition, 1982.

5. Botero RC. Paraclinic Evaluation of the Liver. In : Velez H, Borrero J, Restrepo M J , Rojas W (eds). Fundamentals of Medicine, 2th edition, 1982.
6. Botero RC. Infiltrative Liver Diseases. In : Velez H, Borrero J, Restrepo M J, Rojas W (eds). Fundamentals of Medicine, 2th edition, 1982.
7. Botero RC. Diagnostic Procedures in Hepatobiliary Diseases. In : Chalem F, Escandón J, Esguerra R (eds). Textbook of Internal Medicine, 1st edition 1983.
8. Botero RC. Bilirubin Metabolism. In : Velez H, Borrero J, Restrepo M J, Rojas W (eds). Fundamentals of Medicine, 3th edition, 1988.
9. Botero RC. Jaundice. In : Velez H, Borrero J, Restrepo M J, Rojas W (eds). Fundamentals of Medicine, 3th edition (eds). Fundamentals of Medicine, 3th edition,1988.
10. Botero RC. Clinical evaluation of the icteric patient. In : Velez H, Borrero J, Restrepo M J, Rojas W (eds). Fundamentals of Medicine, 3 th edition, 1988.
11. Botero RC. Paraclinic Evaluation of the Liver. In : Velez H, Borrero J, Restrepo M J , Rojas W (eds).Fundamentals of Medicine, 3th edition, 1988.
12. Botero RC. Infiltrative Liver Diseases. In : Velez H, Borrero J, Restrepo M J, Rojas W (eds). Fundamentals of Medicine, 3th edition, 1988.
13. Botero RC. Cirrhosis of the Liver. In Chalem F, Escandón J, Esguerra R (eds). Textbook of Internal Medicine, 2 edition, 1991.
14. Botero RC. Viral Hepatitis. In : Chalem F, Escandón F, Esguerra R (eds). Textbook of Internal Medicine, 2th edition, 1991.
15. Botero RC. Viral Hepatitis. In : Chalem F, Escandón F, Esguerra R (eds). Textbook of Internal Medicine, 3th edition 1996.
16. Botero RC. Liver Transplantation. In : Chalem F, Escandón J, Esguerra R (eds). Textbook of Internal Medicine, 3th edition, 1996.
17. Sierra F, Botero RC, Campos J. Cirrhosis of the Liver. In : Chalem F, Escandón F, Esguerra R (eds). Textbook of Internal Medicine, 3th edition, 1996.
18. Botero RC. Bilirubin Metabolism. In : Velez H, Borrero J, Restrepo M J, Rojas W (eds). Fundamentals of Medicine, 4th edition, 1996.
19. Botero RC. Clinical evaluation of the icteric patient. In : Velez H, Borrero J, Restrepo M J, Rojas W (eds). Fundamentals of Medicine, 4 th edition, 1996
20. Botero RC. Disorders of Bilirubin Metabolism. . In : Velez H, Borrero J, Restrepo M J, Rojas W (eds). Fundamentals of Medicine, 4th edition, 1996.

21. Quintero G, Zundel N, Botero RC. Liver Transplantation. In : Quintero G, Guzmán F, Zundel N (eds). Organ Transplantation. Ediciones Rosaristas, 1993.
22. Botero RC. Cirrhosis of the Liver. In : Velez H, Borrero J, Restrepo M J, Rojas W (eds). Fundamentals of Medicine, 4th edition, 1996.

### **EDITORIALS**

1. Botero RC. Viral Hepatitis : From A to E. Acta Médica Colombiana 15 No 5: 285-291, Sept- Oct 1990.
2. Botero RC, Paez O, Casasbuenas J, Chalem F. Hepatobiliary Diseases : Proceedings of the XIV Postgraduate course in Internal Medicine. Acta Médica Colombiana 17 No 3 : 125- 205, May- June 1992.
3. Botero RC. Universal Immunization for Hepatitis B. Pediatría 29 No 1 : 9, March 1994.
4. Botero RC. Viral Hepatitis : Perspectives of control and treatment. Tribuna Medica 89 No 2: 49-51, February 1994.
5. Botero RC. Treatment of Ascitis in Cirrhotics. Revista Colombiana de Gastroenterología X No 3 : 103, July. September 1995.
6. Botero RC. Hepatitis B : Real perspectives of control. Acta Médica Colombiana 1997.

### **ABSTRACTS**

1. Serrano-Cancino H, Botero RC, Jeffers L, Mariani A, Schiff ER. Treatment of Severe Alcoholic Hepatitis with Propylthiouracil (PTU). American J of Gastroenterology 76 No 2: 194, 1982,
2. Uribe O, Leyva J, Botero RC, et al. Reynold's Syndrome . Acta Médica Colombiana 7 No 5: 400, Sept-Oct 1982.
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