

VCTC

Virtual Colonoscopy Teaching Centre

Akkerstraat 32c
B-8830 Hooglede
Belgium

Stefaan Gryspeerdt M.D.

Philippe Lefere M.D.

www.vctc.eu

Scientific work on CT Colonography

A. Books

1. Virtual Colonoscopy – A practical guide. Ph. Lefere and S. Gryspeerdt Ed., Springer 2006, Diagnostic Imaging Series (A.L. Baert, K. Sartor).
2. Virtual Colonoscopy – A practical guide. 2nd updated and revised edition Ph. Lefere and S. Gryspeerdt Ed., Springer 2009, Diagnostic Imaging Series (A.L. Baert, K. Sartor).
3. Chapter 7 in Radiology and Imaging of the Colon. A. Chapman Ed., Springer 2004: 71-80.(Diagnostic Imaging, A.L. Baert, K. Sartor): .P. Lefere and Stefaan Gryspeerdt. Dietary faecal tagging.
4. A Dachman, P Lefere. Chapter: Virtual Endoscopy Imaging in Textbook of Clinical Gastroenterology and Hepatology, Ed. Hawkey, Wiley Blackwell, In Press.
5. P. Lefere, S. Gryspeerdt. Chapter: The preparation for CT colonography in Virtual Colonoscopy, Ed P. Carrascosa (Spanish)(In press)
6. P. Lefere, S. Gryspeerdt. Chapter: Préparation colique in Coloscopie virtuelle Ed M. Cadi. Flammarion, In Press.

B. Scientific committees

1. Fellow of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR).
2. Member of the education committee of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR).
3. Member of CT Colonography faculty of ESGAR
4. Member of SGR – Society of Gastrointestinal Radiologists, USA.

5. Member Subcommittee of Gastro-intestinal Radiology of the European Congress of Radiology 2007, 2008, 2009
6. Co-chairman of Subcommittee of Gastro-intestinal Radiology of the European Congress of Radiology 2010.

C. Peer-reviewed publications concerning CT colonography.

1. Lefere P, Gryspeerdt S, Dewyspelaere J, Baekelandt M, Van Holsbeeck B. Dietary fecal tagging as a cleansing method before CT colonography: initial results - polyp detection and patient acceptance. *Radiology* 2002; 224: 393 - 403.
2. Gryspeerdt S, Lefere P, Dewyspelaere J, Baekelandt M, Van Holsbeeck B. Optimisation of colon cleansing prior to computed tomographic colonography. *JBR-BTR* 2002; 85: 289-296.
3. Lefere P, Gryspeerdt S, Dewyspelaere J, Baekelandt M, Van Holsbeeck B. Diverticular disease in CT colonography. *European Radiology* 2003 suppl4 L62-74.
4. Gryspeerdt S, Herman M, Baekelandt M, Van Holsbeeck B, Lefere P. Supine/left decubitus scanning: a valuable alternative to supine/prone scanning in CT colonography. *Eur Radiol* 2005 ; 15:1192-202.
5. Lefere P, Gryspeerdt S, Baekelandt M, Van Holsbeeck B. A Method to Perform Laxative-Free CT Colonography. *AJR Am J Roentgenol* 2004; 183: 945-948.
6. Gryspeerdt S, Lefere P, Herman M, Deman R, Rutgeerts L, Ghillebert G, Baert F, Baekelandt M, Van Holsbeeck B. CT colonography with fecal tagging after incomplete colonoscopy. *Eur Radiol.* 2005 Jun;15(6):1192-202.
7. Lefere P, Gryspeerdt S, Marrannes J, Baekelandt M, Van Holsbeeck B. CT Colonography after Fecal Tagging with a Reduced Cathartic Cleansing and a Reduced Volume of Barium. *AJR Am J Roentgenol* 2005; 184: 1836-1842.
8. Burling D, Halligan S, Altman DG, Atkin W, Bartram C, Fenlon H, Laghi A, Stoker J, Frost R, Dessey G, De Villiers M, Florie J, Honeyfield L, Iannaccone R, Gallo T, Kay C, Lefere P et al. Polyp measurement and size categorisation by CT colonography: effect of observer experience in a multi-centre setting. *Eur Radiol.* 2006 Aug;16(8):1737-44.
9. Burling D, Halligan S, Altman DG, Atkin W, Bartram C, Fenlon H, Laghi A, Stoker J, Frost R, Dessey G, De Villiers M, Florie J, Honeyfield L, Iannaccone R, Gallo T, Kay C, Lefere P et al. CT colonography interpretation times: effect of reader experience, fatigue, and scan findings in a multi-centre setting. *Eur Radiol.* 2006 Aug;16(8):1745-9.
10. Lefere P, Gryspeerdt S, Schotte K. Virtual Colonoscopy: An overview. *Onkologie* 2006; 29: 281-286.
11. S. Taylor, A. Laghi, P. Lefere, S. Halligan, J. Stoker. European society of gastrointestinal and abdominal radiology (ESGAR): Consensus statement on CT colonography. *Eur Radiol.* 2007 Feb;17(2):575-9.
12. ESGAR CT Colonography Study Group Investigators. Effect of direct training on reader performance for CT colonography: multicenter study. *Radiology* 2007; 242: 152-161.

13. Dachman A, Lefere P, Dawson D, Yoshida H. Comparison of routine and unprepped CT colonography augmented by low fiber diet and stool tagging: a pilot study. *Abdom Imaging* 2007; 32: 96-104
14. Dachman AH, Lefere P, Gryspeerdt S, Morrin M. Advances in Gastrointestinal imaging: CT colonography. *Radiol Clin North Am.* 2007 45: 347-59.
15. Lefere P, Dachman AH, Gryspeerdt S. CT colonography: clinical value. *Abdom Imaging.* 2007; 32: 541-551.
16. Kim SH, Lee JM, Lee JG, Kim JH, Lefere PA, Han JK, Choi BI. Computer-aided detection of colonic polyps at CT colonography using a Hessian matrix-based algorithm: preliminary study. *AJR Am J Roentgenol.* 2007 189: 41-51.
17. Taylor SA, Charman S, Lefere P et al. CT Colonography (CTC): Investigation of the Optimum Reader Paradigm Using Computer Aided Detection (CAD) Software. *Radiology* 2008, 246: 463-471.
18. Lefere P, Gryspeerdt S, Mang T. CT colonography: patient preparation and examination technique. *Radiologe* 2008; 48: 126-134.
19. Burling D; International Collaboration for CT colonography Standards. CT colonography standards. *Clin Radiol.* 2010; 65: 474-80.
20. Boone D, Halligan S, Frost R, Kay C, Laghi A, Lefere P, Neri E, Stoker J, Taylor SA. CT colonography: who attends training? A survey of participants at educational workshops. *Clin Radiol.* 2011;66:510-6.
21. Lefere P, Gryspeerdt S. CT colonography: avoiding traps and pitfalls. *Insights Imaging.* 2011; 2 :57-68.
22. Gryspeerdt S, Lefere P. Chronic diverticulitis vs. colorectal cancer: findings on CT colonography. *Abdom Imaging.* 2012 Feb 25. [Epub ahead of print]
23. Lauridsen C, Lefere P, Gerke O, Gryspeerdt S. Effect of a tele-training programme on radiographers in the interpretation of CT colonography. *Eur J Rad Eur J Radiol.* 2012 May;81(5):851-6.
24. Neri E, Halligan S, Hellström M, Lefere P, Mang T, Regge D, Stoker J, Taylor S, Laghi A; ESGAR CT Colonography Working Group. The second ESGAR consensus statement on CT colonography. *Eur Radiol* 2012 Sep 15 [Epub ahead of print]
25. Mang T, Gryspeerdt S, Schima W, Lefere P. Evaluation of colonic lesions and pitfalls in CT colonography: A systematic approach based on morphology, attenuation and mobility. *Eur Radiol* 2012 Jul 18 [Epub ahead of print]

D. Scientific presentations.

1. As invited speaker

1. S. Gryspeerdt, Ph. Lefere, B. Van Holsbeeck, M. Baekelandt, J. Dewyspelaere. Virtual CT colonoscopy: Initial results. XIth week of Gastroenterology 1999, Knokke, Belgium P.

2. P Lefere, S Gryspeerdt. Virtual CT Colonoscopy. Abdominal Imaging: current status and prospects. Université Catholique de Louvain, Brussels, May 27th 2000.
3. S. Gryspeerdt, Ph. Lefere. Virtual colonoscopy: technical aspects, advantages and potential pitfalls in diagnosis. XIth week of Gastroenterology 1999, Knokke, Belgium.
4. P. Lefere, S Gryspeerdt. Virtual colonoscopy. Annual symposium of the Royal Belgian Association of Radiology. State of the art in abdominal imaging. University Hospital Sart Tilman, November 18th, 2000.
5. P. Lefere, S Gryspeerdt. Strategies in the indeterminate virtual CT colonography. International workshop on 3D imaging and virtual endoscopy. University Hospital Essen, Germany, February 2001.
6. S. Gryspeerdt, P. Lefere. Bowel preparation. International workshop on 3D imaging and virtual endoscopy. University Hospital Essen, Germany, February 2001.
7. P. Lefere, S Gryspeerdt. Scanner du côlon: de l'extérieur vers l'intérieur. Société d'Imagerie Abdominale et Digestive. Paris, France, May 2001.
8. P. Lefere, S Gryspeerdt. CT acquisitions and stool tagging. E-Z-EM Satellite Symposium: CT colonography: Current and Future Issues. 12th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR). Dublin, Ireland, June 2001.
9. P. Lefere, S Gryspeerdt. Prepless colonoscopy. 3th International Symposium on Virtual Colonoscopy. Boston, USA, April 2002.
10. P. Lefere, S Gryspeerdt. Strategies in CT faecal tagging. 3rd International Workshop on Multislice 3D imaging, Virtual Endoscopy. Rome, Italy, June 2002
11. P. Lefere, S Gryspeerdt. Patient Preparation. 1st European Workshop on Virtual Colonoscopy. Torino, Italy, January 2003.
12. P. Lefere, S Gryspeerdt. How to read tagged data sets. Lunchtime Symposium: Virtual Colonoscopy. 14th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR). Budapest, Hungary, June 2003.
13. P. Lefere, S Gryspeerdt. Prepless colonoscopy. 4th International Symposium on Virtual Colonoscopy. Boston, USA, October 2003.
14. P. Lefere, S Gryspeerdt. Bowel preparation and 'prepless' CT. Hands-on workshop CT colonography. the European Society of Gastrointestinal and Abdominal Radiology (ESGAR). Amsterdam, The Netherlands, September 2003
15. S. Gryspeerdt, P. Lefere. Pitfalls in CT colonography. The European Society of Gastrointestinal and Abdominal Radiology (ESGAR). Amsterdam, The Netherlands, September 2003.
16. P. Lefere, S Gryspeerdt. Evaluation of CT colonography with limited bowel prep. Hands-on workshop CT colonography. The European Society of Gastrointestinal and Abdominal Radiology. Amsterdam, The Netherlands, September 2003.
17. P. Lefere, S Gryspeerdt. Coloscopie virtuelle: Etat actuel. Journées françaises de radiologie, Paris, France, October 2003.
18. P. Lefere, S Gryspeerdt. 4th International Workshop on Multislice 3D imaging, Virtual Endoscopy. Rome, Italy, November 2003.

19. P. Lefere, E. Neri. CT Colonography: How to do it. Workshop. 14th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR). Geneva, Switzerland, June 2004.
20. P. Lefere, S Gryspeerdt. Bowel preparation and 'prepless' CT. Hands-on workshop CT colonography. The European Society of Gastrointestinal and Abdominal Radiology (ESGAR). Rome, Italy, September 2004.
21. S. Gryspeerdt, P. Lefere. Pitfalls in CT colonography. The European Society of Gastrointestinal and Abdominal Radiology (ESGAR). Rome, Italy, September 2004.
22. P. Lefere, S Gryspeerdt. Bowel preparation. Hands-on workshop 3th ESGAR hands-on workshop CTC workshop. Bruges, Belgium, April 2005.
23. S. Gryspeerdt, P. Lefere. Pitfalls in CT colonography. 3th ESGAR hands-on workshop CTC workshop Bruges, Belgium, April 2005.
24. P. Lefere, S Gryspeerdt. Coloscaner: préparation, techniques d'acquisition et post-traitements. Journées d'Imagerie de la Pitié Salpêtrière, Paris 2005.
25. P. Lefere, E. Neri. CT Colonography. Workshop. 16th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR). Florence, Italy, May 2005.
26. P. Lefere, S Gryspeerdt. The advantages of 64 slice. Intestinal and anorectal imaging. A symposium to mark the retirement of Professor Clive Bartram. 9th September 2005, St Mark's Hospital, London, UK.
27. P. Lefere, M. Zalis, A. Laghi. Panel discussion: bowel preparation. RSNA, Chicago november 2005.
28. P. Lefere, S. Gryspeerdt. Bowel preparation. 4th ESGAR hands-on workshop CTC workshop. Edinburg, UK, January 2006.
29. S. Gryspeerdt, P. Lefere. Pitfalls in CT colonography. 4th ESGAR hands-on workshop CTC workshop. Edinburg, VK, January 2006.
30. P. Lefere, S. Gryspeerdt. Harvard Medical School CME course: Practical applications of new imaging techniques. MDCT colonography, Brugge, Belgium, April 2006.
31. P. Lefere, S. Gryspeerdt. Coloscopie virtuelle: pièges d'interprétation. Educational workshop, Paris, France, April 2006 – May 2006.
32. P. Lefere, B. McFarland. CT colonography: interpreting difficult cases., 17th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR). Crete, Greece, June 2006
33. S Gryspeerdt, P Nugent. CT colonography: interpreting difficult cases., 17th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR). Crete, Greece, June 2006
34. P. Lefere, S Gryspeerdt. Bowel preparation and faecal tagging. 5th ESGAR hands-on workshop CTC workshop. Pisa, September 2006.
35. S. Gryspeerdt, P. Lefere. Pitfalls in CT colonography. 5th ESGAR hands-on workshop CTC workshop. Pisa, September 2006.
36. P. Lefere, S Gryspeerdt. Practical techniques for CT colonography: preparation and tagging. 16th International Seoul Radiology Symposium, Seoul, South Korea, September 2006.
37. P. Lefere, S Gryspeerdt. Pitfalls in CT colonography. 16th International Seoul Radiology Symposium, Seoul South Korea, September 2006.

38. P. Lefere, S. Gryspeerdt. Bowel preparation: barium. 7th International Symposium on Virtual Colonoscopy, Boston, October 2006.
39. P. Lefere. Coloscopie virtuelle sur station Siemens. Journées françaises de radiologie. Symposium of the French National Radiologic Society. Paris, October 2006
40. P. Lefere, S Gryspeerdt. Méthodes de preparation et de distension colique pour une coloscopie virtuelle. Journées françaises de radiologie. Symposium of the French National Radiologic Society. Paris, October 2006
41. P. Lefere, S Gryspeerdt. Difficultés et pièges en coloscopie virtuelle. Journées françaises de radiologie. Symposium of the French National Radiologic Society. Paris, October 2006
42. P. Lefere, S Gryspeerdt. Preparação e pitfalls da colonografia por CT. Curso de Radiologia, Coimbra, Portugal November 2006.
43. P. Lefere, S Gryspeerdt, Bowel preparation and faecal tagging. 6th ESGAR hands-on workshop CTC workshop. Nice, France, January 2007.
44. S. Gryspeerdt, P. Lefere. Pitfalls in CT colonography. 6th ESGAR hands-on workshop CTC workshop. Nice, France, January 2007
45. P. Lefere, S Gryspeerdt. CT colonography: clinical value. ECR 2007, Vienna, Austria.
46. P. Lefere, AH Dachman,. CT colonography: pitfalls in interpretation. SGR meeting. Bonita Springs, FL, April 2007.
47. P Lefere, S Gryspeerdt. The future of imaging the colon. 18th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR), Lisbon, Portugal, June 2008
48. P. Lefere, S Gryspeerdt, H Yoshida. CT colonography: current status in Europe and future perspectives. CARS meeting, Berlin, 2007
49. P. Lefere, S Gryspeerdt Bowel preparation and faecal tagging. 7th ESGAR hands-on workshop CTC workshop. Malmö, Sweden, September 2007.
50. S. Gryspeerdt, P. Lefere. Pitfalls in CT colonography. 7th ESGAR hands-on workshop CTC workshop. Malmö, Sweden, September 2007.
51. P. Lefere, S Gryspeerdt. Virtual Colonoscopy: current status. 10^o Simposium Internacional da Cirurgia da Madeira, Funchal, Portugal, October 2007.
52. P. Lefere, S Gryspeerdt. Key note lecture: cleansing/ fecal tagging. 8th International Symposium on Virtual Colonoscopy, Boston, October 2007.
53. P. Lefere. Coloscopie virtuelle sur station Siemens. JFR, Symposium of the French National Radiologic Society. Paris, October 2007
54. P. Lefere, S Gryspeerdt. Coloscopie virtuelle: état actuel et nouveaux développements. JFR, Symposium of the French National Radiologic Society. Paris, October 2007
55. P. Lefere, S Gryspeerdt. L'irradiation en coloscopie virtuelle est compatible avec son utilisation en dépistage. JFR, Symposium of the French National Radiologic Society. Paris, October 2007
56. P. Lefere, S Gryspeerdt. How to optimise the modern imagiology efficacy for diagnosis and staging of colorectal cancer? 7^a REUNIÃO INTERNACIONAL DE CIRURGIA, Lisboa, January 2008.

57. P. Lefere, AH Dachman. CT colonography: All you want to know. SGR Abdominal Radiology Course 2008, Rancho Mirage, USA, February 2008.
58. P. Lefere. S Gryspeerdt CT colonography: bowel preparation and bowel distension. Virtual Colonoscopy Master Class. Surfers Paradise, Australia, February 2008.
59. P. Lefere, S Gryspeerdt CT colonography: indications, contraindications and complications. Virtual Colonoscopy Master Class. Surfers Paradise, Australia, February 2008.
60. P. Lefere, S Gryspeerdt CT colonography: pitfalls. Virtual Colonoscopy Master Class. Surfers Paradise, Australia, February 2008.
61. P. Lefere, S Gryspeerdt CT colonography: future directions. Virtual Colonoscopy Master Class. Surfers Paradise, Australia, February 2008.
62. P. Lefere. S Gryspeerdt CT colonography: Clinical value. ECR European Congress of Radiology 2008, March 2008, Vienna, Austria.
63. P. Lefere, S. Gryspeerdt. CT colonography: Clinical practice and training courses. Japan Radiology Congress, Yokohama, Japan. April 2008
64. P. Lefere, S Gryspeerdt. Bowel preparation and faecal tagging. 8th ESGAR hands-on workshop CTC workshop. Vigo, Spain, April 2008.
65. S. Gryspeerdt, P. Lefere. Pitfalls in CT colonography. 8th ESGAR hands-on workshop CTC workshop. Vigo, Spain, April 2008
66. P Lefere, F lafrate. CT colonography: case presentation. 19th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR), Istanbul, Turkey, June 2008.
67. S Gryspeerdt, P Lefere, H Yoshida. CAD: help or hindrance. 19th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR), Istanbul, Turkey, June 2008.
68. P. Lefere, S Gryspeerdt. Bowel preparation and faecal tagging. 9th ESGAR hands-on workshop CTC workshop. Berlin, Germany, September 2008.
69. S. Gryspeerdt, P. Lefere. Pitfalls in CT colonography. 9th ESGAR hands-on workshop CTC workshop. Berlin, Germany, September 2008
70. P Lefere, RSNA 2008, Moderator of Scientific Session: "Gastrointestinal (CT Colonography: Preparation)", Chicago, December 2008
71. P. Lefere, S Gryspeerdt. Bowel preparation and faecal tagging. 10th ESGAR hands-on workshop CTC workshop. Harrogate, UK, February 2008.
72. S. Gryspeerdt, P. Lefere. Pitfalls in CT colonography. 10th ESGAR hands-on workshop CTC workshop. Harrogate, UK, February 2009
73. P Lefere, A Laghi. CT colonography: technical aspects. 20th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR), Valencia, Spain, June 2009.
74. P. Lefere. CT colonography: state-of-the-art. 20th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR), Valencia, Spain, June 2009.
75. P. Lefere. Latest Advances in CT Colonography and CAD training: What does the future hold? 20th annual meeting of the European

- Society of Gastrointestinal and Abdominal Radiology (ESGAR), Valencia, Spain, June 2009.
76. P. Lefere, S Gryspeerdt. Bowel preparation and faecal tagging. 11th ESGAR hands-on workshop CTC workshop. Stresa, Italy, September 2009.
 77. S. Gryspeerdt, P. Lefere. Pitfalls in CT colonography. 11th ESGAR hands-on workshop CTC workshop. Stresa, Italy September 2009
 78. P. Lefere, S. Gryspeerdt. Préparation, distension colique, acquisition. ESGAR/GE Doctor to doctor training, October 2009, BUC, France
 79. P. Lefere, S. Gryspeerdt. Pièges d'interprétation.. ESGAR/GE Doctor to doctor training, October 2008, BUC, France
 80. P. Lefere. Coloscopie virtuelle sur station Siemens. JFR, Symposium of the French National Radiologic Society. Paris, October 2009
 81. P. Lefere, S Gryspeerdt. Colonoscopie virtuelle état de l'art. JFR, Symposium of the French National Radiologic Society. Paris, October 2009
 82. P. Lefere, S. Gryspeerdt. The role of CT colonography in the detection of colorectal cancer. Asklepios Course for ESOR (European School of Radiology), November 2009, Sochi, Russia.
 83. P. Lefere, S. Gryspeerdt. CAD for colon cancer. Refresher course. Radiological Society of North America, 94th Scientific Assembly and Annual Meeting, Chicago, December 2009.
 84. P. Lefere. CT colonography: How to use CAD? SGR Abdominal Radiology Course 2010, Orlando, FL, USA, February 2010.
 85. P. Lefere. CT colonography: Pitfalls in Imaging. ECR European Congress of Radiology 2010, March 2010, Vienna, Austria.
 86. P. Lefere. CT colonography in symptomatic patients: technical approaches. 21st annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR), Dresden, Germany, June 2010.
 87. P. Lefere. Bowel preparation and faecal tagging. 12th ESGAR hands-on workshop CTC workshop. Amsterdam, The Netherlands, June 2010
 88. P. Lefere. Pitfalls in Imaging. 12th ESGAR hands-on workshop CTC workshop. Amsterdam, The Netherlands, June 2010
 89. P. Lefere. CT colonography – patient prep and acquisition. Royal College of Surgeons in Ireland. September 2010, Dublin, Ireland.
 90. P. Lefere. Large Bowel: CT Colonography. ESOR GALEN Advanced Course ABDOMINAL CROSS-SECTIONAL IMAGING September 17-18, 2010 – Pisa/Italy.
 91. P. Lefere. Bowel preparation and faecal tagging. 13th ESGAR hands-on workshop CTC workshop. Cascais, Portugal, September 2010
 92. P. Lefere. Pitfalls in Imaging. 13th ESGAR hands-on workshop CTC workshop. Cascais, Portugal, September 2010
 93. P. Lefere. CAD for colon cancer. Refresher course. Radiological Society of North America, 95th Scientific Assembly and Annual Meeting, Chicago, December 2010.
 94. P. Lefere. Virtual Colonoscopy: Where are we in 2011? Danish Society of Radiology. Annual Meeting. January 2011. Odense, Denmark

95. P. Lefere. State of the Art symposium: CT colonography in 2011: Where has it come ? ECR European Congress of Radiology 2011, March 2011, Vienna, Austria.
96. P. Lefere. CT colonography: How to use CAD? SGR Abdominal Radiology Course 2011, Carlsbad, CA, USA, March 2011.
97. P. Lefere. Bowel preparation and faecal tagging. 14th ESGAR hands-on workshop CTC workshop. Göthenburg, Sweden, April 2011.
98. S. Gryspeerdt, P. Lefere. Pitfalls in CT colonography. 14th ESGAR hands-on workshop CTC workshop. Göthenburg, Sweden, April 2011.
99. P. Lefere, S. Gryspeerdt. Workshop: Mistakes in CTC. 22nd annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR), Venice, Italy, May 2011.
100. P. Lefere, S. Gryspeerdt. Bowel preparation and faecal tagging. 15th ESGAR hands-on workshop CTC workshop. Dublin, Ireland, September 2011.
101. S. Gryspeerdt, P. Lefere. Pitfalls in CT colonography. 15th ESGAR hands-on workshop CTC workshop. Dublin, Ireland, September 2011.
102. P. Lefere, S. Gryspeerdt. Extracolonic findings. 15th ESGAR hands-on workshop CTC workshop. Dublin, Ireland, September 2011.
103. P. Lefere. 4th IDKD Intensive Course in Greece. CT Colonography. Mykonos, Greece, September 2011.
104. P. Lefere, S. Gryspeerdt. Large Bowel: CT Colonography. ESOR GALEN Advanced Course. October, Lisboa, Portugal.
105. P. Lefere, S. Gryspeerdt. CTC: technical considerations for a successful study. VII Jornadas de Coimbra da SPRMN: Radiologia Abdominal. Coimbra, Portugal, November 2011.
106. P. Lefere, S. Gryspeerdt. CTC: how to report, what to report. VII Jornadas de Coimbra da SPRMN: Radiologia Abdominal. Coimbra, Portugal, November 2011.
107. P. Lefere, S. Gryspeerdt. CAD for colon cancer. Refresher course. Radiological Society of North America, 96th Scientific Assembly and Annual Meeting, Chicago, December 2011.
108. S. Gryspeerdt, P. Lefere CTC 4.01 "Case review 4 : Difficult cases I" 22rd annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR), Venice, Italy 2011.
109. P. Lefere, S. Gryspeerdt. Bowel preparation and faecal tagging. 16th ESGAR hands-on CTC workshop. Rome, Italy, February 2012.
110. S. Gryspeerdt, P. Lefere. Pitfalls in CT colonography. 16th ESGAR hands-on CTC workshop. Rome, Italy, February 2012.
111. P. Lefere, S. Gryspeerdt. Advances in preparation. 1st Advanced ESGAR hands-on CTC workshop. Rome, Italy, February 2012.
112. P. Lefere, S. Gryspeerdt. CTC and diverticular disease. 23rd annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR), Edinburgh June 2012.
113. S. Gryspeerdt, P. Lefere CTC 4.01 "case review 4 : Pitfalls and unusual cases." 23rd annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR), Edinburgh June 2012.

114. S. Gryspeerdt, P. Lefere WS 16.02 "CTC workshop 3 : the mistakes" 23rd annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR), Edinburgh June 2012.
115. P. Lefere. 2nd IDKD Intensive Course in Hong Kong. CT colonography. June 2012.
116. P. Lefere. 2nd IDKD Intensive Course in Hong Kong. CT colonography. June 2012. The Gastrointestinal tract.
117. P. Lefere, S. Gryspeerdt. Bowel preparation and faecal tagging. 17th ESGAR hands-on CTC workshop. Valencia, September 2012
118. P. Lefere, S. Gryspeerdt. Pitfalls in CT colonography. 17th ESGAR hands-on CTC workshop. Valencia, September 2012

2. Scientific sessions.

1. P. Lefere, S. Gryspeerdt, B. Van Holsbeeck, M. Baekelandt. Mimics of polyps on virtual colonoscopy. European Congress of Radiology. Vienna March 2000
2. S. Gryspeerdt, P. Lefere, B. Van Holsbeeck, M. Baekelandt. Virtual colonoscopy in patients with diverticular disease. European Congress of Radiology. Vienna March 2000
3. P. Lefere, S. Gryspeerdt, B. Van Holsbeeck, M. Baekelandt. Colonic cleansing with tagging of fecal residues prior to virtual CT colonoscopy. 11th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology. La Grande Motte, France, June 2000.
4. S. Gryspeerdt, P. Lefere, B. Van Holsbeeck, M. Baekelandt. Virtual CT colonoscopy: Initial results. 11th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology. La Grande Motte, June 2000.
5. P. Lefere, S. Gryspeerdt, B. Van Holsbeeck, M. Baekelandt. Causes of false positive diagnosis in virtual CT colonoscopy. 2th International Symposium on Virtual Colonoscopy, Boston, October 2000.
6. P. Lefere, S. Gryspeerdt, B. Van Holsbeeck, M. Baekelandt. Virtual CT colonoscopy after dietary fecal tagging with barium: a study of patient feasibility. 2th International Symposium on Virtual Colonoscopy, Boston, October 2000.
7. P. Lefere, S. Gryspeerdt, B. Van Holsbeeck, M. Baekelandt. Dietary fecal tagging prior to virtual CT colonography: Preliminary results. 12th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology. Dublin, Ireland, June 2001.
8. S. Gryspeerdt, P. Lefere, B. Van Holsbeeck, M. Baekelandt. Dietary fecal tagging as a cleansing method prior to virtual CT colonoscopy. 12th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology. Dublin, Ireland, June 2001.
9. P. Lefere, S. Gryspeerdt, B. Van Holsbeeck, M. Baekelandt, J. Dewyspelaere. Problèmes diagnostiques de la détection de polypes en colographie virtuelle au scanner. Journées françaises de radiologie, Paris, France, October 2001.

10. P. Lefere, S. Gryspeerdt, B. Van Holsbeeck, M. Baekelandt. A comparison of single and multi slice helical CT in the detection of the tagged nature of residual stool in CT colonography: A phantom study. 13th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology. Joint meeting with Society of Gastrointestinal Radiology. Orlando, USA, April 2002.
11. S. Gryspeerdt, P. Lefere, B. Van Holsbeeck, M. Baekelandt. Supine/left decubitus scanning: a valuable alternative to supine/prone scanning in CT colonography. 13th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology. Joint meeting with Society of Gastrointestinal Radiology. Orlando, USA, April 2002.
12. S. Gryspeerdt, P. Lefere, B. Van Holsbeeck, M. Baekelandt. Colon cleanliness and effectiveness of contrast material labelling in dietary faecal tagging. 13th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology. Joint meeting with Society of Gastrointestinal Radiology. Orlando, USA, April 2002.
13. P. Lefere, S. Gryspeerdt, B. Van Holsbeeck, M. Baekelandt, J. Dewyspelaere. Coloscopie virtuelle au scanner après marquage des selles avec du baryum: résultats préliminaires. Journées françaises de radiologie, Paris, France, Octobre 2002.
14. P. Lefere, S. Gryspeerdt, M. Baekelandt, B. Van Holsbeeck. CT colonography after dietary faecal tagging with barium and cathartic colon cleansing. European Congress of Radiology. Vienna, March 2003.
15. S. Gryspeerdt, Ph. Lefere, B. Van Holsbeeck, M. Baekelandt, J. Dewyspelaere, R. De Man, L. Rutgeerts. Computed Tomographic Colonography: A four years experience. XVth week of Gastroenterology March 2003, Brugge, Belgium.
16. P. Lefere, S. Gryspeerdt, B. Van Holsbeeck, M. Baekelandt. Technical development: CT colonography without cathartic cleansing and with barium as the sole fecal tagging agent. American Roentgen Ray Society 103rd Annual Meeting, San Diego, USA, May 2003.
17. P. Lefere, S. Gryspeerdt, B. Van Holsbeeck, M. Baekelandt. CT colonography: a four years experience. 14th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR). Budapest, Hungary, June 2003.
18. P. Lefere, S. Gryspeerdt et al. Fecal tagging as a cleansing method prior to CTC in patients with incomplete conventional colonoscopy. 4th International Symposium on Virtual Colonoscopy, Boston, October 2003.
19. P. Lefere, S. Gryspeerdt et al. Technical Development. CT colonography without cathartic cleansing and with barium as the sole fecal tagging agent. SPIE symposium. Medical Imaging. San Diego, February 2004.
20. S. Gryspeerdt, P. Lefere, et al. Fecal tagging as a cleansing method prior to CTC in patients with incomplete conventional colonoscopy. European Congress of Radiology, Vienna, Austria, March 2004.
21. P. Lefere, S. Gryspeerdt et al. CT Colonography after Fecal Tagging with a Reduced Cathartic Cleansing and a Reduced Volume of Barium.

- American Roentgen Ray Society 104th Annual Meeting, Miami, USA, May 2004.
22. A. Dachman, D Rubin, H Yoshida, N Khan, S Gryspeerdt, P Lefere. Prepress CTC with stool tagging: Is it feasible ? ARRS 2005, New Orleans, USA.
 23. P. Lefere, S. Gryspeerdt. Boston, Work in Progress : A Multi-Centre Project of Teaching CT Colonography in Belgium. 5th International Symposium on Virtual Colonoscopy, USA, Boston 2004.
 24. Ph. Lefere, S. Gryspeerdt, et al. Inter- and intra-observer reliability in measurements of polyp size in CT colonography: Implications for technique, training and decision analysis. Boston 2004.
 25. P. Lefere, S. Gryspeerdt. Fast Reading of CT Colonography. 5th International Symposium on Virtual Colonoscopy, Boston, USA, October 2004.
 26. Ph. Lefere, S. Gryspeerdt. Inter- and intra-observer reliability in measurements of polyp size in CT colonography: Implications for technique, training and decision analysis. 5th International Symposium on Virtual Colonoscopy, Boston, USA, October 2004.
 27. S. Gryspeerdt, Ph. Lefere. Inter- and intra-observer reliability in measurements of polyp size in CT colonography: Implications for technique, training and decision analysis. RSNA, Chicago 2004.
 28. H. Yoshida, Ph. Lefere, J. Nappi, S. Gryspeerdt, A. H. Dachman. Computer-Aided Detection of Polyps in CT Colonography with Dietary Fecal Tagging: Pilot Assessment of Performance. RSNA Chicago 2004
 29. P. Lefere, S. Gryspeerdt. Work in Progress : A Multi-Centre Project of Teaching CT Colonography in Belgium. ECRWenen, Austria, March 2005.
 30. P. Lefere, S. Gryspeerdt et al. Fast reading of CT colonography. American Roentgen Ray Society 105th Annual Meeting, New Orleans, USA, May 2005.
 31. P. Lefere, S. Gryspeerdt. Fecal tagging with barium prior to CT colonography: How to improve fluid tagging. 5th International Symposium on Virtual Colonoscopy, Boston, USA, oktober 2005.
 32. P. Lefere, S. Gryspeerdt. Fecal tagging with barium prior to CT colonography: How to improve fluid tagging. 6th International Symposium on Virtual Colonoscopy, RSNA, Chicago, USA november 2005.
 33. P Pickhardt, M Barish, D Barlow, J Choi, A Dachman, H Fenlon, J Ferrucci, A Laghi, P Lefere, M Macari, E Mc Farland, M Morrin, E Paulson, J Soto, J Stoker, J Yee, M Zalis. Incidence of significant complications at CT colonography: collective experience of the working group on virtual colonoscopy. ARRS 2006, Vancouver, Canada.
 34. Taylor S, Halligan S, Lefere P, Stoker J, Laghi A. Technique optimisation and implementation of CTC: recommendations from the ESGAR CTC consensus group. 17th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR). Crete, Greece, June 2006
 35. P. Lefere, Gryspeerdt S., Marrannes J. Laxative-free MDCT colonography with barium as sole tagging agent: assessment of

- residual colonic fluid. 7th International Symposium on Virtual Colonoscopy, Boston, USA, oktober 2006.
36. Taylor S, Aslam R, Barlow J, Gupta A, Ianaccone R, Lefere P. CT Colonography (CTC): Investigation of the Optimum Reader Paradigm Using Computer Assisted Detection (CAD) Software. RSNA Chicago 2006.
 37. Nappe J, Yoshida H, Cai W, Zalis M, Lefere P. Automated Detection of Polyps in Fecal-tagging CT Colonography. RSNA Chicago 2006
 38. Kuoichi N, Yoshida H, Zalis M, Lefere P et al. Performance Comparison of Computer-aided Detection in Laxative and Non-laxative CT Colonography. RSNA 2007, Chicago, November 2007.
 39. Näppe J, Yoshida H, Lefere P et al. CAD for Laxative-free CT Colonography: Methods and Evaluation. RSNA 2007, Chicago, November 2007.
 40. Nappe J, Yoshida H, Lefere P et al. Fully Automated Preparation-independent CAD for CT Colonography. RSNA 2007, Chicago, November 2007.
 41. Nappe J, Lefere P et al. Optimized Polyp Detection for High Performance CAD in CT Colonography. RSNA 2007, Chicago, November 2007.
 42. Nappe J, Yoshida H, Zalis M, Lefere P, Gryspeerdt S. An automated meta-detection scheme for computer-assisted large-scale application of CT colonography. CARS, Barcelona, Spain, June 2008.
 43. Nappe J, Yoshida H, Lefere P, Gryspeerdt S. Two automated methods for excluding polyp-imitating residual feces in laxative-free CT colonography. CARS, Barcelona, Spain, June 2008
 44. Lefere P, Gryspeerdt S, Raat F et al. Combined Tele-education and Remote Supervision in CT Colonography: Work in Progress. RSNA 2008, Chicago, December 2008
 45. J. Näppi, H Yoshida, M. Zalis, P. Lefere et al. Comparison of Automated Preparation Independent and Conventional Polyp Detection Schemes in Multicenter Multipreparation CT Colonography. Radiological Society of North America, 94th Scientific Assembly and Annual Meeting, Chicago, December 2008
 46. J. Näppi, H Yoshida, M. Zalis, S. Gryspeerdt, P. Lefere. Virtual Tagging for Improving Polyp Detection in Laxative-free CT Colonography. Radiological Society of North America, 94th Scientific Assembly and Annual Meeting, Chicago, December 2008
 47. C. Lauridsen, P. Lefere et al. Effect of CTC-teleradiology training on radiographer performance. 21st annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR), Dresden, Germany, June 2010.
 48. P. Lefere et al. Screening for Colorectal Cancer with CT Colonography and Same-day Optical Colonoscopy: Assessment of Patient's Satisfaction. Radiological Society of North America, 96th Scientific Assembly and Annual Meeting, Chicago, December 2011
 49. P. Lefere et al. The Madeira Colorectal Cancer Screening Trial: Screening a Population at Average Risk with Teleradiology-based CT Colonography—Assessment of Performance Radiological Society of

North America, 96th Scientific Assembly and Annual Meeting, Chicago, December 2011

- 50.I. Lefere, M. Lefere, P. Lefere, S. Gryspeerdt. The use of sodium picosulphate to prepare the patient for CT colonography. 23rd annual meeting of the European Society of Gastrointestinal and Abdominal Radiology (ESGAR), Edinburgh June 2012.

E. Posters

1. P. Lefere, S. Gryspeerdt, B. Van Holsbeeck, M. Baekelandt, J. Dewyspelaere. Virtual colonoscopy: potential pitfalls in diagnosis. American Roentgen Ray Society 99th Annual Meeting, May 1999, New Orleans, USA.
2. S. Gryspeerdt, Ph. Lefere, B. Van Holsbeeck, M. Baekelandt, J. Dewyspelaere. Dietary fecal tagging enables reduced colon cleansing and improves diagnosis in virtual CT colonoscopy. RSNA 2000, 86th Scientific Assembly and Annual Meeting, Chicago, USA.
3. P. Lefere, S. Gryspeerdt, B. Van Holsbeeck, M. Baekelandt, J. Dewyspelaere. CT colonography in diverticular disease: Imaging pitfalls. 13th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology. Joint meeting with Society of Gastrointestinal Radiology. Orlando, USA, April 2002.
4. P. Lefere, S. Gryspeerdt, M. Baekelandt, R. De Man, L. Rutgeerts, J. Dewyspelaere, B. Van Holsbeeck. Aspects of tumoral lesions on CT colonography. 14th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology. Budapest, Hungary, June 2003.
5. P. Lefere, S. Gryspeerdt, B. Van Holsbeeck, M. Baekelandt. CT Colonography after a Reduced Cleansing and Fecal Tagging with Barium: How and Why We Do It. RSNA, Chicago 2004.
6. S. Gryspeerdt, Ph. Lefere, B. Van Holsbeeck, M. Baekelandt. Avoiding pitfalls in CT colonography: Nightmare or pearls – A tutorial and case-based flow chart. RSNA, Chicago 2004.
7. Dietary fecal tagging as a cleansing method prior to CT virtual colonoscopy in patients with incomplete conventional colonoscopy European Congress of Radiology, 2004, Vienna, Austria.
8. P. Lefere, S. Gryspeerdt. Virtual colonoscopy: A case-based tutorial. ECR, European Congress of Radiology, 2005, Vienna, Austria.
9. A Jerebko, P Lefere, S Gryspeerdt, S Lakare, L Bogoni. Feasibility and reliability of automatic measurements in CT colonography using a colonic specimen. European Congress of Radiology, 2006, Vienna, Austria
10. P Lefere, S Gryspeerdt. CT colonography: A Tutorial. Computer exhibit. RSNA 2006, Chicago, IL.
11. Yoshida H, Nappi J, Zalis ME, Lefere P, Regge D. ColonChecker 2007: CAD Workstation for Detection of Polyps in Laxative-free CT Colonography. RSNA 2006, Chicago IL.

12. Lefere P, Gryspeerdt S, Friedman A. Combined tele-education and remote supervision in CT colonography: work in progress. 8th International Symposium on Virtual Colonoscopy, Boston, October 2007.
13. ECR Imagine 2008: ESGAR CT colonography working group. European Congress of Radiology, 2008, Vienna, Austria
14. P Lefere, S Gryspeerdt. Why you need to be an experienced 2D reader when performing primary 3D read in CT colonography. Radiological Society of North America, 94th Scientific Assembly and Annual Meeting, Chicago, December 2009.

F. Participation to CT colonography workshops as a tutor.

1. 1st ESGAR Hands-on workshop CT colonography. Amsterdam, The Netherlands, September 2003.
2. 2nd ESGAR Hands-on workshop CT colonography. Rome, Italy, September 2004.
3. 3rd ESGAR Hands-on workshop CT colonography. Bruges, Belgium, April 2005.
4. 4th ESGAR Hands-on workshop CT colonography. Edinburgh, UK, January 2006.
5. 5th ESGAR Hands-on workshop CT colonography. Pisa, Italy, September 2006.
6. 6th ESGAR Hands-on workshop CT colonography. Nice, France, January 2007.
7. Virtual Colonoscopy Hands-on workstation training course at the SGR Abdominal Radiology Course. Bonita Springs, FL, USA. April 2007.
8. 7th ESGAR Hands-on workshop CT colonography. Malmö, Sweden, September 2007.
9. Training course at the 8th International Symposium of Virtual Colonoscopy. Boston October 2007.
10. Virtual Colonoscopy Hands-on workstation training course at the SGR Abdominal Radiology Course. Rancho Mirage, CA, USA. February 2008.
11. 8th ESGAR Hands-on workshop CT colonography. Vigo, April 2008.
12. 9th ESGAR Hands-on workshop CT colonography. Berlin, September 2008
13. ESGAR/GE Doctor to doctor training, October 2008, BUC, France
14. Training course at the 9th International Symposium of Virtual Colonoscopy. Boston October 2008.
15. 10th ESGAR Hands-on workshop CT colonography. Harrogate, February 2009
16. 11th ESGAR Hands-on workshop CT colonography. Stresa, September 2009
17. ESGAR/GE Doctor to doctor training, October 2009, BUC, France

18. Virtual Colonoscopy Hands-on workstation training course at the SGR Abdominal Radiology Course. Orlando, Fl, USA. February 2010.
19. 12th ESGAR Hands-on workshop CT colonography. Amsterdam, June 2010
20. 13th ESGAR Hands-on workshop CT colonography. Cascais, September 2010
21. ESGAR/GE Doctor to doctor training, October 2010, BUC, France
22. Virtual Colonoscopy Hands-on workstation training course at the SGR Abdominal Radiology Course. Carlsbad, CA, USA. February 2011
23. 14th ESGAR Hands-on workshop CT colonography. Göthenburg, April 2011
24. 15th ESGAR Hands-on workshop CT colonography. Dublin, September 2011
25. 16th ESGAR Hands-on workshop CT colonography. Rome, February 2012
26. 1st ESGAR Advanced Hands-on workshop CT colonography. Rome, February 2012
27. 17th ESGAR Hands-on workshop CT colonography. Valencia, September 2012
28. 2nd ESGAR Advanced Hands-on workshop CT colonography. Valencia, September 2012

G. Awards

1. First annual excellence awards for high quality scientific research: S. Gryspeerdt, Ph. Lefere, B. Van Holsbeeck, M. Baekelandt, J. Dewyspelaere. Virtual colonoscopy: technical aspects, advantages and potential pitfalls in diagnosis. XIth week of Gastroenterology 1999, Knokke, Belgium.
2. Certificate of Merit "Cum Laude": P. Lefere, S. Gryspeerdt, B. Van Holsbeeck, M. Baekelandt, J. Dewyspelaere. Diverticular disease on CT Colonography. 13th annual meeting of the European Society of Gastrointestinal and Abdominal Radiology. Joint meeting with Society of Gastrointestinal Radiology. Orlando, FL, USA, April 2002.
3. Certificate of merit RSNA 2004: S. Gryspeerdt, Ph. Lefere, B. Van Holsbeeck, M. Baekelandt. Avoiding pitfalls in CT colonography: Nightmare or pearls – A tutorial and case-based flow chart. RSNA Chicago 2004.
4. Certificate of merit RSNA 2006. Yoshida H, Nappi J, Zalis ME, Lefere P, Regge D. ColonChecker 2007: CAD Workstation for Detection of Polyps in Laxative-free CT Colonography. RSNA 2006, Chicago IL.