



**CURRICULUM VITAE**

May 2015

**Prof. Dr. Carlos Leal M.D.**

|                                       |  |
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| <p>Personal and Professional Data</p> | <p><u>Date of Birth:</u> January 1, 1962<br/> <u>Place of Birth:</u> Zipaquirá, Colombia<br/> <u>Citizenship:</u> Colombia</p> <p><u>Office Address:</u> Fenway Medical<br/> Carrera 7b-Bis # 132-38<br/> Piso 8<br/> Bogota DC, 0011<br/> Colombia</p> <p><u>Phone:</u> (+571) 300 4922<br/> <u>Website:</u> <a href="http://www.fenwaymedical.org">www.fenwaymedical.org</a><br/> <u>Business E-mail:</u> <a href="mailto:leal@fenwaymedical.org">leal@fenwaymedical.org</a><br/> <u>Personal E-mail:</u> <a href="mailto:chazleal@gmail.com">chazleal@gmail.com</a></p>   |
| <p>Education</p>                      | <p><u>Education:</u><br/> 1973-1979 / <b>B.A.</b><br/> St. George´s School Bogota</p> <p>1979 – 1985 / <b>M.D.</b><br/> Bosque University, Bogota</p> <p>1988 – 1992 / <b>Orthopedic Surgeon</b><br/> Bosque University, Bogota</p> <p><u>Postgraduate Training:</u><br/> 1993 - 1994 – Postdoctoral Research Fellow,<br/> Orthopedic Research and Biomechanics<br/> Orthopedic Biomechanics Laboratory<br/> Harvard Medical School -- Boston, MA / USA</p> <p>1994 – 1995 / Fellow in Arthroscopic and Reconstructive Knee Surgery<br/> - The Hospital For Joint Diseases<br/> New York University / New York, NY / USA<br/> - Aspen Valley Hospital<br/> Aspen, CO / USA</p> <p>2000 – Shockwaves in Orthopedics Course<br/> Orthopaedische Klinik – Marbourg University<br/> ISAKOS Training Center<br/> Kassel, Germany</p> <p>2002 – Shockwave Medicine Advanced Training<br/> Unfallkrankenhaus Meidling<br/> ISMST Training Center<br/> Vienna, Austria</p> |

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| <b>Personal Skills &amp; Competences</b> | <ul style="list-style-type: none"> <li>- Arthroscopic and Reconstructive Surgery of the Knee</li> <li>- Orthopedic Sports Medicine</li> <li>- Regenerative Medicine</li> <li>- Mechanotransduction and Shockwave Medicine</li> <li>- Stem Cell Research and Application</li> <li>- Medical Postgraduate and Fellowship Training / Orthopedic Surgery / Knee Surgery / Shockwave Medicine / Regenerative Medicine</li> <li>- Medical Education</li> </ul>   |             |  |             |  |             |  |             |  |             |   |              |  |             |  |             |  |             |   |            |   |             |   |
| <b>Scientific Work</b>                   | <ul style="list-style-type: none"> <li>- 26 Papers in National and Peer Reviewed Journals</li> <li>- 3 Chapters in Medical Books</li> <li>- 12 Awards in Medicine and Research</li> <li>- 293 National and International Conferences</li> </ul>  |             |  |             |  |             |  |             |  |             |   |              |  |             |  |             |  |             |   |            |   |             |   |
| <b>Faculty Academic Appointments</b>     | <table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top; width: 15%;">1992 – 1996</td> <td>Assistant Instructor<br/>Department of Orthopedics, Bosque University, Bogota</td> </tr> <tr> <td style="vertical-align: top;">1996 - 1998</td> <td>Assistant Professor<br/>Department of Orthopedics, Bosque University, Bogota<br/>Academic Coordinator<br/>Orthopedic Surgery Residency Program<br/>Bosque University, Bogota</td> </tr> <tr> <td style="vertical-align: top;">1998 - 2004</td> <td>Director<br/>Orthopedic Surgery Residency Program<br/>Department of Orthopedics, Bosque University, Bogota</td> </tr> <tr> <td style="vertical-align: top;">2004 - 2006</td> <td>Director of the Division of Postgraduate Studies<br/>Bosque University Medical School, Bogota</td> </tr> <tr> <td style="vertical-align: top;">2006 - 2014</td> <td>Director<br/>Ibero-American Federation of Shockwave Medicine Societies ONLAT</td> </tr> <tr> <td style="vertical-align: top;">2010 - 2012.</td> <td>President ISMST<br/>International Society for Medical Shockwave Treatment</td> </tr> <tr> <td style="vertical-align: top;">1998 - Act.</td> <td>Associate Professor<br/>Medical School / Department of Orthopedics<br/>Bosque University, Bogota</td> </tr> <tr> <td style="vertical-align: top;">2005 - Act.</td> <td>Director<br/>Knee Surgery Fellowship<br/>ISAKOS &amp; Fenway Medical, Bogota</td> </tr> <tr> <td style="vertical-align: top;">2010 – Act.</td> <td>Scientific Secretary ISMST<br/>International Society for Medical Shockwave Treatment</td> </tr> <tr> <td style="vertical-align: top;">2010 – Act</td> <td>Lufthansa<br/>Medical Director – Contract Physician Bogota</td> </tr> <tr> <td style="vertical-align: top;">2012 - Act.</td> <td>Director<br/>Sociedad Colombiana de Ondas de Choque en Medicina OCC – Bogota</td> </tr> </table> | 1992 – 1996 | Assistant Instructor<br>Department of Orthopedics, Bosque University, Bogota | 1996 - 1998 | Assistant Professor<br>Department of Orthopedics, Bosque University, Bogota<br>Academic Coordinator<br>Orthopedic Surgery Residency Program<br>Bosque University, Bogota | 1998 - 2004 | Director<br>Orthopedic Surgery Residency Program<br>Department of Orthopedics, Bosque University, Bogota | 2004 - 2006 | Director of the Division of Postgraduate Studies<br>Bosque University Medical School, Bogota | 2006 - 2014 | Director<br>Ibero-American Federation of Shockwave Medicine Societies ONLAT | 2010 - 2012. | President ISMST<br>International Society for Medical Shockwave Treatment | 1998 - Act. | Associate Professor<br>Medical School / Department of Orthopedics<br>Bosque University, Bogota | 2005 - Act. | Director<br>Knee Surgery Fellowship<br>ISAKOS & Fenway Medical, Bogota | 2010 – Act. | Scientific Secretary ISMST<br>International Society for Medical Shockwave Treatment | 2010 – Act | Lufthansa<br>Medical Director – Contract Physician Bogota | 2012 - Act. | Director<br>Sociedad Colombiana de Ondas de Choque en Medicina OCC – Bogota |
| 1992 – 1996                              | Assistant Instructor<br>Department of Orthopedics, Bosque University, Bogota   |             |  |             |  |             |  |             |  |             |   |              |  |             |  |             |  |             |   |            |   |             |   |
| 1996 - 1998                              | Assistant Professor<br>Department of Orthopedics, Bosque University, Bogota<br>Academic Coordinator<br>Orthopedic Surgery Residency Program<br>Bosque University, Bogota   |             |  |             |  |             |  |             |  |             |   |              |  |             |  |             |  |             |   |            |   |             |   |
| 1998 - 2004                              | Director<br>Orthopedic Surgery Residency Program<br>Department of Orthopedics, Bosque University, Bogota   |             |  |             |  |             |  |             |  |             |   |              |  |             |  |             |  |             |   |            |   |             |   |
| 2004 - 2006                              | Director of the Division of Postgraduate Studies<br>Bosque University Medical School, Bogota   |             |  |             |  |             |  |             |  |             |   |              |  |             |  |             |  |             |   |            |   |             |   |
| 2006 - 2014                              | Director<br>Ibero-American Federation of Shockwave Medicine Societies ONLAT  |             |  |             |  |             |  |             |  |             |   |              |  |             |  |             |  |             |   |            |   |             |   |
| 2010 - 2012.                             | President ISMST<br>International Society for Medical Shockwave Treatment   |             |  |             |  |             |  |             |  |             |   |              |  |             |  |             |  |             |   |            |   |             |   |
| 1998 - Act.                              | Associate Professor<br>Medical School / Department of Orthopedics<br>Bosque University, Bogota   |             |  |             |  |             |  |             |  |             |   |              |  |             |  |             |  |             |   |            |   |             |   |
| 2005 - Act.                              | Director<br>Knee Surgery Fellowship<br>ISAKOS & Fenway Medical, Bogota   |             |  |             |  |             |  |             |  |             |   |              |  |             |  |             |  |             |   |            |   |             |   |
| 2010 – Act.                              | Scientific Secretary ISMST<br>International Society for Medical Shockwave Treatment  |             |  |             |  |             |  |             |  |             |   |              |  |             |  |             |  |             |   |            |   |             |   |
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|                                      | <p>2012 – Act.      General Secretary ONLAT<br/>Ibero-American Federation of Shockwave Medicine Societies</p> <p>2012 – Act.      Member of the Managing Board SETOC<br/>Spanish Society for Medical Shockwave Treatment<br/>Barcelona, Spain</p> <p>2014 – Act.      President of the Managing Board - Consejo Directivo<br/>Bosque University<br/>Bogota</p>  |
| Scientific Societies and Memberships | <ul style="list-style-type: none"> <li>- ISMST – International Society for Medical Shockwave Treatment</li> <li>- ONLAT - Latin American Society for Medical Shockwave Treatment</li> <li>- OCC – Colombian Society for Medical Shockwave Treatment</li> <li>- SCCOT – Colombian Society of Orthopedic Surgery <ul style="list-style-type: none"> <li>o Member of the Arthroscopy Chapter</li> <li>o Member of the Hip And Knee Chapter</li> </ul> </li> <li>- AAOS – American Academy of Orthopedic Surgeons</li> <li>- AANA - Arthroscopy Association of North America</li> <li>- SLARD – Latin American Society of Arthroscopy, Knee Surgery and Sports Medicine</li> <li>- ISAKOS – International Society of Arthroscopy Knee Surgery and Orthopedic Sports Medicine</li> <li>- ORS – Orthopedic Research Society</li> <li>- ICRS – International Cartilage Research Society</li> </ul> |
| Experience with ESWT                 | <ul style="list-style-type: none"> <li>- Research and application of ESWT since 1997</li> <li>- ISMST – ONLAT ESWT Instructor since 2010</li> </ul>   |
| ESWT Devices Used                    | <p><u>Past</u><br/>Direx - Dornier – EMS – Medispec – Storz – MTS – Switech Medical – BTL</p> <p><u>Currently</u><br/>MTS – Dornier – BTL</p>   |
| Disclosures                          | <p><u>Scientific Advisor / Past</u><br/>Bayer – MSD – Direx – MTS – BTL – Smith &amp; Nephew – Biomet</p> <p><u>Scientific Advisor / Currently</u><br/>MSD – BTL</p> <p><u>Statement</u><br/><b>Carlos Leal, his medical service companies and his family does not receive funds, benefits, or financial support as shares, money or commercial development from any pharmaceutical or medical company.</b></p>   |