

ALEJANDRO DOMINGUEZ

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Education

- **1990-1993:** School of radiographers - Ecole Cantonale Vaudoise de TRM, Lausanne
- **2001** Certificate of radiation protection – IRA (Institute of Applied Radioprotection), Lausanne
- **2001-2003:** Certificate of Advances Studies – teaching option – IRSP (Institut Romand des Sciences et des pratiques de la santé et du social), Lausanne
- **2004-2005:** University degree, Ingénierie de la recherché en santé et en soins- Université de Savoie, Chambéry

Professional experience

- **1993-2000:** Radiographer - Department of radiodiagnostic and interventional radiology at the University Hospital (Centre Hospitalier Universitaire Vaudois) Lausanne Specializations : Emergency – CT-Scanner - Angiography
- **1999** Radiographer - Mission in Timor (Indonesia) for the ICRC (International Committee of the Red Cross)
- **2000-2002:** Radiographer practitioner trainer 50%. (Department of radiodiagnostic and interventional radiology at the University Hospital (Centre Hospitalier Universitaire Vaudois) Lausanne
- **2000-2002:** Teaching Assistant 50%. School of radiographers - Ecole Cantonale Vaudoise de TRM, Lausanne
- **2002-2003:** Teaching Assistant. School of radiographers - Ecole Cantonale Vaudoise de TRM, Lausanne
- **2004-2006:** Teacher Faculty of Radiography – HESAV, Lausanne
- **2007-today:** Professor Faculty of Radiography – HESAV, Lausanne
- **2008-today:** Forensic Radiographer Manager. Univerty Center of Legal Medicine (CURML Centre Universitaire Romand de Médecine Légale) – Forensic Imaging Unit, Lausanne

Language skills

- **Spanish:** native language
- **French:** spoken fluently
- **Italian:** very good knowledge
- **English:** very good knowledge
- **German** good knowledge
- **Portuguese:** good knowledge

Publication list

- Dominguez A, Basler M., Mock F., Miazza M. . The radiographer : what about the social involvement ? [www.serpsy.org / network / technicien_radio.htm](http://www.serpsy.org/network/technicien_radio.htm). 2005.
 - Dominguez A, C. Bruguier, C. Chevallier, B. Schneider, S. Grabherr. Der/die MTRA in der Rechtsmedizin: Einführung des Projektes und Zusammenhang mit der Forschung. Le TRM en médecine forensique: Introduction du projet et contexte de recherche. *Aktuell* 2010 ;1:13-17. *Professional article*.
 - Dominguez A, Mangin P, Grabherr S. Technicien en radiologie forensique: de l'immersion sur le terrain pratique à la formation professionnelle. Fachleute für forensisch-technische Radiologie: von der Praxis zur Berufsbildung. *Aktuell* 2011;09:8-11. *Invited professional article*.
 - Elandoy C, Dominguez A, Bruguier C, Grabherr S. Les investigations médico-légales par imagerie tomodensitométrique et le rôle du manipulateur. *Le Manipulateur* 2011;203:14-17. *Invited professional article*.
 - Grabherr S, Dominguez A, Mangin P. L'angio-CT post-mortem: un nouvel outil diagnostique. *Rev Med Suisse* 2011;7:1507-1510. *Invited Review*.
 - Grabherr S, Doenz F, Steger B, Dirnhofer R, Dominguez A, Sollberger B, Gyax E, Rizzo E, Chevallier C, Meuli R, Mangin P. Multi-phase post-mortem CT-angiography Development of a standardized protocol. *Int J Legal Med* 2011;125:791-802. *Original article*.
 - Schneider B, Chevallier C, Dominguez A, Bruguier C, Elandoy C, Mangin P, Grabherr S. The Forensic Radiographer: A New Member in the Medico-legal Team. *Am J Forensic Med Pathol* 2012 ;33(1):30-6. *Original article*.
 - Egger C, Bize P, Vaucher P, Mosimann P, Schneider B, Dominguez A, Meuli R, Mangin P, Grabherr S. Distribution of artifactual gas on post-mortem multidetector computed tomography (MDCT). *Int J Legal Med* 126(1):3-12. *Original article*.
 - Zerlauth JB, Doenz F, Dominguez A, Palmiere C, Uské A, Meuli R, Grabherr S. Surgical interventions with fatal outcome: Utility of multi-phase postmortem CT angiography. *Forensic Sci Int*. 2012 Jun 19. [Epub ahead of print] *Original article*.
 - Chevallier C, Doenz F, Vaucher P, Palmiere C, Dominguez A, Binaghi S, Mangin P, Grabherr S. Postmortem computed tomography angiography vs. conventional autopsy: advantages and inconveniences of each method. *Int J Legal Med*. 2013 Jan 6. [Epub ahead of print] *Original article*.
 - Grabherr S, Grimm J, Dominguez A, Vanhaebost J, Mangin P. Advances in post-mortem CT angiography. *Br j Radiol* 2013;86: 20130488.
 - Varlet V, Smith F, De Froidmont S, Dominguez A, Rinaldi A, Augsburger M, Mangin P, Grabherr S. Innovative method for carbon dioxide determination in human postmortem cardiac gas samples using headspace-gas chromatography- mass spectrometry and stable labeled isotop as internal standard, *Anal.Chim.Acta*. 2013.
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Oral presentations

- Grabherr S, F. Doenz, B. Steger, Dominguez A, B. Sollberger, E. Gygax, R. Dirnhofer, R. Meuli, P. Mangin. Postmortale dynamische Angiographie mittels Angiofil®. Jahrestagung der Deutschen Gesellschaft für Rechtsmedizin, Basel, September 2009.
- Grabherr S, F. Doenz, B. Steger, Dominguez A, E. Gygax, B. Sollberger, R. Meuli, P. Mangin. Angio-scanner post mortem. Journée Français de Radiologie, Paris, October 2009.
- Dominguez A, Doenz F, Dirnhofer R, Steger B, Sollberger B, Gygax E, Meuli R, Mangin P, Grabherr S. Forensic imaging : yes we scan ! New challenges for a radiographer. 62nd Annual scientific meeting of the American academy of forensic sciences, Seattle, February 2010.
- Chevallier C, Dominguez A, Schneider B, Doenz F, Sollberger B, Meuli R, Mangin P, Grabherr S. Forensic imaging : challenges for radiographers. European congress of radiology, Vienna, Austria, March 2010.
- A. Dominguez, C. Bruguier, C. Chevallier, B. Schneider, A. Bass, C. Elandoy, S. Grabherr. Imagerie médico-légale: Yes, we scan! Nouvelles perspectives pour les TRM. Réunion de la Société Suisse de la Radiologie, Lugano, June 2010.
- C. Bruguier, A. Dominguez, S. Grabherr. Imagerie en médecine légale: une nouvelle approche pour le TRM. Réunion de la Société Suisse de la Radiologie, Lugano, June 2010.
- Egger C, Bize P, Vaucher P, Mosimann P, Dominguez A, Mangin P, Grabherr S. Distribution des gaz artéfactuels à la TDMC post mortem. Réunion d'été de la Société Suisse de médecine légale, Lausanne, June 2010.
- Dominguez A, Mangin P, Grabherr S. Implication du Technicien en Radiologie Médicale (TRM) en imagerie forensique. Réunion d'été de la Société Suisse de médecine légale, Lausanne, June 2010.
- Grabherr S, Gygax E, Sollberger B, Steger B, Dominguez A, Dirnhofer R, Doenz F, Mangin P. Entwicklung eines standardisierten Protokolls zur Durchführung der postmortalen CT-Angiographie. Jahrestagung der Deutschen Gesellschaft für Rechtsmedizin, Berlin, September 2010.
- Egger D, Bize P, Vaucher P, Mosimann P, Dominguez A, Meuli R, Mangin P, Grabherr S. Darstellung von postmortal entstandenem Gas im CT: Aufkommen, Verteilung und Schematisierung. Jahrestagung der Deutschen Gesellschaft für Rechtsmedizin, Berlin, September 2010.
- Elandoy C, Dominguez A, Bruguier C, Mangin P, Grabherr S. Le manipulateur forensique – nouvelle spécialisation ? Journée Français de Radiologie, Paris, October 2010.
- Grabherr S. Doenz F, Bruguier C, Steger B, Dominguez A, Rizzo E, Meuli R, Mangin P. Angio-scanner post-mortem : mis en place d'un protocole standard optimisé. Journée Français de Radiologie, Paris, October 2010.
- Grabherr S, Doenz F, Dominguez A, Michaud K, Palmiere C, Bollmann M, Uske A, Mangin P. Surgical Interventions with Fatal Outcome: Medico-Legal Investigations Using Postmortem CT Angiography. Annual Meeting of American Roentgen Ray Society, Chicago, May 2011.
- Chevallier C, Doenz F, Dominguez A, Palmiere C, Binaghi S, Mangin P, Vaucher P, Grabherr S. Postmortem CT Angiography Versus Conventional Autopsy: What's best? Annual Meeting of American Roentgen Ray Society, Chicago, May 2011.

- Dominguez A, Elandoy C, Uldin T, De Froidmont S, Mangin P, Grabherr S. Anthropologie Virtuelle: Développement de protocoles d'acquisition d'os in situ et ex-situ au scanner. 47^{ème} Congrès International Francophones de Médecine Légale, Bordeaux, June 2011.
- Grabherr S, Dominguez A, Doenz F, Binaghi S, Mangin P. L'Angio-CT post-mortem dans la routine médico-légale. 47^{ème} Congrès International Francophones de Médecine Légale, Bordeaux, June 2011.
- Dominguez A, Grabherr S. The Forensic Radiographer: The key into the daily routine. International Academy of Forensic Sciences 2011. International Academy of Forensic Sciences 2011. Workshop Post-mortem CT-Angiography, Madeira, September 2011 (*invited speaker*).
- Grabherr S, Doenz F, Dominguez A, Palmiere C, Uske A, Mangin P. Surgical interventions with fatal outcome: medico-legal investigations using post-mortem CT-angiography. International Academy of Forensic Sciences, Madeira, September 2011.
- Grabherr S, Doenz F, Dominguez A, Mangin P. L'angio-scanner post-mortem: quoi de neuf? Journées Françaises de Radiologie, Paris, October 2011 (*invited speaker*).
- Grabherr S, Doenz F, Dominguez A, Bize P, Binaghi S, Mangin P. Décès après interventions chirurgicales: investigation par l'angio-TDM post-mortem. Journées Françaises de Radiologie, Paris, October 2011.
- Dominguez A., Bass A., Bruguier C., Chevallier C., Grabherr S. Impact de l'imagerie autopsique dans la formation et la pratique du manipulateur. Journées Françaises de Radiologie, Paris, October 2011.
- Bass A, Dominguez A, Mangin P, Grabherr S. Postmortem multi-phase computed tomography angiography: investigation of "hemodynamic" perfusion parameters and their utility in forensic cases. 65th Annual Scientific Meeting of the American Academy of Forensic Sciences. Atlanta, February 2012.
- Dominguez A, Rinaldi A, Bruguier C, Chevallier C, Bass A, Grabherr S. Imagerie autopsique et la pratique du manipulateur : 53^e Journées scientifiques des manipulateurs d'électroradiologie médicale, Lyon, May 2012.
- Dominguez A, Rinaldi A, Bruguier C, Chevallier C, Bass A, Grabherr S. Imagerie forensique et la pratique du TRM: Pensons la formation. Schweizerischer Radiologiekongress, Jahreskongress der SVMTRA-ASTRM, Zürich, May/June 2012.
- Bass A, Dominguez A, Mangin P, Grabherr S. Angio-CT Post-Mortem: Investigation des paramètres "Hémodynamiques" de perfusion et leur utilité potentielle en médecine forensique. Schweizerischer Radiologiekongress, Jahreskongress der SVMTRA-ASTRM, Zürich, May/June 2012.
- Dominguez A. The Forensic Radiographer: a new professional into the forensic team. 1st Virtangio Workshop, Lausanne, November 2012.
- Dominguez A. The Forensic Radiographer: the key into the routine. International Training for Radiographers in Forensic Radiology, Lausanne, November 2013.
- Dominguez A. The technique of MPMCTA and the role of the forensic radiographer. 23rd International Meeting on Forensic Medicine Alpe-Adria-Pannonia, Lausanne. June 2014.

Poster presentations

- Grabherr S, Doenz F, Dominguez A, Dirnhofer R, Steger B, Sollberger B, Gygax E, Meuli R, Mangin P. Post-mortem CT-Angiography using Angiofil®. 62nd Annual scientific meeting of the American academy of forensic sciences, Seattle, February 2010.
- Doenz F, Dominguez A, Dirnhofer R, Steger B, Gygax E, Sollberger B, Meuli R, Mangin P, Grabherr S. Radiological interpretation of post-mortem CT-Angiography. 62nd Annual scientific meeting of the American academy of forensic sciences, Seattle, February 2010.
- Gygax E, Sollberger B, Dominguez A, Dirnhofer R, Steger B, Doenz F, Meuli R, Mangin P, Grabherr S. Perfusion technique for post-mortem CT-angiography. 62nd Annual scientific meeting of the American academy of forensic sciences, Seattle, February 2010.
- Grabherr S, Doenz F, Dominguez A, Rizzo E, Bize P, Gygax E, Meuli R, Mangin P. New approach to perform a standardized post-mortem CT-Angiography. European Congress of Radiology, Vienna March 2010.
- Dominguez A, Doenz F, Dirnhofer R, Steger B, Mangin M, Grabherr S. Postmortale Angiographie – Neue Herausforderungen für medizinisch-technische Röntgenassistenten. Jahrestagung der Deutschen Gesellschaft für Rechtsmedizin, Berlin, September 2010.
- Bass A, Dominguez A, Bruguier C, Mangin P, Grabherr S. Der MTRA – ein neues Teammitglied in der Rechtsmedizin. Jahrestagung der Deutschen Gesellschaft für Rechtsmedizin, Berlin, September 2010.
- Schneider B, Elandoy C, Dominguez A, Bruguier C, Mangin P, Grabherr S. Le manipulateur forensique et l'angiographie post-mortem. Journée Français de Radiologie, Paris, October 2010.

Co-Organization of Workshops / Meetings

- International Meeting of Post-mortem CT-Angiography, Lausanne, March 2011.
- Workshop “Post-mortem CT-Angiography”, International Academy of Forensic Sciences, Madeira, September 2011.
- TWGPAM (Technical Working Group of Postmortem Angiography Methods) Kick-Off – Meeting, Lausanne, February 2012.
- 2nd TWGPAM meeting, Istanbul, July 2012.
- Workshop “Multiphase Post-mortem CT-Angiography (MPMCTA)”, 22nd Congress of the International Academy of Legal Medicine, Istanbul, July 2012.
- 1st Virtangio Workshop, Lausanne, November 2012.
- 3rd TWGPAM meeting, Lausanne, November 2012.
- HESAV International Module Exchange in Forensic Radiography, ERASMUS module, Lausanne September-November 2013.
- 23rd International Meeting on Forensic Medicine Alpe-Adria-Pannonia, Lausanne June 2014.

Chairperson on Congresses

- ISFRI (International society of Forensic Radiology and Imaging) – Radiographer session. Marseille , May 2014.

Scientific Prizes

- 1st prize for the best oral presentation for : Dominquez A, C. Bruguier, C. Chevallier, B. Schneider, A. Bass, C. Elandoy, S. Grabherr. *Imagerie médico-légale: Yes, we scan! Nouvelles perspectives pour les TRM. Réunion de la Société Suisse de la Radiologie*, Lugano, June 2010.
 - Scientific Prize of the Swiss Society of legal medicine for : Grabherr S, Doenz F, Steger B, Dirnhofer R, Dominquez A, Sollberger B, Gygax E, Rizzo E, Chevallier C, Meuli R, Mangin P. *Multi-phase post-mortem CT-angiography Development of a standardized protocol. Int J Legal Med* 2011;125:791-802. *Original article.*
 - 3rd prize for the best oral presentation for : Dominquez A, Rinaldi A, Bruguier C, Chevallier C, Bass A, Grabherr S. *Imagerie forensique et la pratique du TRM: Pensons la formation. Schweizerischer Radiologiekongress, Jahreskongress der SVMTRA-ASTRM*, Zürich, May/June 2012
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