

Curriculum vitae

MARIO LEVIS

Personal details

Born in: **TORINO**

Nationality: **ITALIAN**

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Educations

- **May 2015 - November 2018:** PhD title
“Prevention and early detection of radiation induced heart complications in lymphoma patients treated with modern radiotherapy”
- **September/October 2014:** Observership period at the Memorial Sloan Kettering Cancer Center (NY, USA) under the supervision of Dr. Joachim Yahalom, focused on radiotherapy treatment of hematological malignancies
- **May 2010 – May 2015:** Certification in Radiation Oncology – Department of Radiation Oncology, University of Torino, Italy
- **May 2008 – 2010:** Clinical and Research fellow in Cardiology, A.O.U. Città della Salute e della Scienza, Torino, Italy
- **October 2001 – October 2007:** Graduation in Medicine and Surgery – University of Torino, Italy

Professional experiences and current position

- **October 2022 – to date:** Tenure-track Assistant Professor in Radiation Oncology, Department of Oncology, University of Turin, Italy
- **December 2021 – September 2022:** Attending Radiation Oncologist, Department of Radiation Oncology, A.O.U. Città della Salute e della Scienza, Torino
- **December 2018 – December 2021:** Tenure-track Assistant Professor in Radiation Oncology, Department of Oncology, University of Turin, Italy
- **January 2017 – December 2018:** Attending Radiation Oncologist, Department of Radiation Oncology, A.O.U. Città della Salute e della Scienza, Torino

Participation to Directive Boards of Scientific Societies and/or Institutions:

- Member of the Young Committee of Fondazione Italiana Linfomi **(2017-2023)**
- Member of the Radiotherapy Committee of Fondazione Italiana Linfomi **(2018-ongoing)**
- Council Member of the International Lymphoma Radiation Oncology Group **(2017-ongoing)**

Teaching activity:

- **Teacher for the RTT training program, school of Medicine, University of Torino, in the course:**
“Radiotherapy I”
- **Teacher for residency program in radiation oncology, University of Torino, in the courses:**
“Radiobiology”
“RT treatment of urological malignancies”
“RT treatment of hematological malignancies”
“RT treatment of central nervous system tumors”
“RT treatment of sarcomas”
“Modern RT techniques”
- **Teacher for ESTRO school at the following courses:**
“Combined drug radiation treatment” (2017-2022)
“Evidence based radiation oncology” (2023-ongoing)
- **Teacher for Master of II level in “Diagnosis and therapy of lymphoma patients” (University of Udine, Italy)**

Research main topics

- Prevention of RT-related cardiac toxicity
- Radiotherapy in hematological malignancies, lung cancer, CNS tumors and prostate cancer.
- Stereotactic arrhythmia radioablation

Main projects as PI:

- Peritransplant RT in relapsed/refractory Hodgkin lymphoma (multi-institutional study of the Fondazione Italiana Linfomi)
- Optimization of modern mediastinal RT to reduce the risk of heart disease in Hodgkin lymphoma patients
- Early detection of subclinical cardiac toxicity with strain rate echocardiography: the CARDIOCARE project (NCT03480087)

Bibliometry (2010-present) (www.scopus.com)

Publications: 42

Citations: 539

H-index: 14

10 best publications

1. **Levis M**, Campbell BA, Matrone F, Grapulin L, Di Russo A, Buglione M, Iamundo De Cumis I, Simontacchi G, Ciammella P, Magli A, Pascale G, Meregalli S, MacManus M, Fanetti G, De Felice F, Furfaro G, Ciccone G, Ricardi U. Peri-transplant radiotherapy in refractory or relapsed Hodgkin lymphoma patients undergoing autologous stem cell transplant: long term results of a retrospective study of the Fondazione Italiana Linfomi (FIL). *Int J Radiat Oncol Biol Phys* 2023 (In press)
2. Maraldo M, **Levis M**, Andreis A, Armenian S, Bates J, Brady J, Ghigo A, Lyon AR, Manisty C, Ricardi U, Aznar MC, Filippi AR. An integrated approach to Cardio-protection in lymphomas. *Lancet Haematol* 2022;9(6):e445-e454
3. Ricardi U, **Levis M**, Evangelista A, Gioia DM, Sacchetti GM, Gotti M, Re A, Buglione M, Pavone V, Nardella A, Nassi L, Zanni M, Franzone P, Frezza GP, Pulsoni A, Grapulin L, Santoro A, Rigacci L, Simontacchi G, Tani M, Zaja F, Abruzzese E, Botto B, Zilioli VR, Rota-Scalabrini D, Freilone R, Ciccone G, Filippi AR, Zinzani PL. Role of Radiotherapy to bulky sites of advanced Hodgkin lymphoma treated with ABVD: final results of FIL HD0801 trial. *Blood Adv* 2021;5:4504-4514
4. Binkley MS, Rauf MS, Milgrom SA, Pinnix CC, Tsang R, Dickinson M, Ng AK, Roberts KB, Gao S, Balogh A, Ricardi U, **Levis M**, Casulo C, Stolten M, Specht L, Plastaras JP, Wright C, Kelsey CR, Brady JL, Mikhaeel NG, Hoppe BS, Terezakis SA, Picardi M, Della Pepa R, Kirova Y, Akhtar S, Maghfoor I, Koenig JL, Jackson C, Song E, Sehgal S, Advani RH, Natkunam Y, Constine LS, Eich HT, Wirth A, Hoppe RT. Stage I-II nodular lymphocyte-predominant Hodgkin lymphoma: a multi-institutional study of adult patients by ILROG. *Blood* 2020;135(26):2365-2374
5. **Levis M**, Filippi AR, Fiandra C, De Luca V, Bartoncini S, Vella D, Ragona R, Ricardi U. Inclusion of heart substructures in the optimization process of volumetric modulated arc therapy techniques may reduce the risk of heart disease in Hodgkin's lymphoma patients. *Radiother Oncol* 2019;138:52-58
6. Binkley MS, Brady JL, Hajj C, Chelius M, Chau K, Balogh A, **Levis M**, Filippi AR, Jones M, Ahmed S, MacManus M, Wirth A, Oguchi M, Krog Vistisen A, Andraos TY, Ng AK, Aleman BPM, Choi SH, Kirova Y, Hardy S, Reinartz G, Eich HT, Bratman SV, Constine LS, Suh CO, Dabaja B, El-Galaly TC, Hodgson DC, Ricardi U, Yahalom J, Mikhaeel NG, Hoppe RT. Salvage treatment and survival for relapsed follicular lymphoma following primary radiation therapy: a collaborative study on behalf of ILROG. *Int J Radiat Oncol Biol Phys* 2019;104:522-529
7. Brady JL, Binkley MS, Hajj C, Chelius M, Chau K, Balogh A, **Levis M**, Filippi AR, Jones M, MacManus M, Wirth A, Oguchi M, Krog Vistisen A, Andraos TY, Ng AK, Aleman BPM, Choi SH, Kirova Y, Hardy S, Reinartz G, Eich HT, Bratman SV, Constine LS, Suh CO, Dabaja B, El-Galaly TC, Hodgson DC, Ricardi U, Yahalom J, Hoppe RT, Mikhaeel NG. Definitive radiotherapy for localized follicular lymphoma staged by ¹⁸F-FDG PET-CT: a collaborative study by ILROG. *Blood* 2019;133:237-245
8. **Levis M**, De Luca V, Fiandra C, Veglia S, Fava A, Gatti M, Giorgi M, Bartoncini S, Cadoni F, Garaballo D, Ragona R, Filippi AR, Ricardi U. Plan optimization for mediastinal radiotherapy: estimation of coronary arteries motion with ECG-gated cardiac imaging and creation of compensatory expansion margins. *Radiother Oncol* 2018;127:481-486
9. **Levis M**, Piva C, Filippi AR, Botto B, Gavarotti P, Pregno P, Nicolosi M, Freilone R, Parvis G, Gottardi D, Vitolo U, Ricardi U. Potential benefit of involved-field radiotherapy for patients with relapsed-refractory Hodgkin's lymphoma with incomplete response prior to autologous stem cells transplantation. *Clin Lymphoma Myeloma Leuk* 2017;1:14-22

10. Ricardi U, Frezza G, Filippi AR, Badellino S, **Levis M**, Navarria P, Salvi F, Marcenaro M, Trovò M, Guarneri A, Corvò R, Scorsetti M Stereotactic Ablative Radiotherapy for stage I histologically proven non-small cell lung cancer: An Italian multicenter observational study. *Lung Cancer*, 2014;84(3):248-253.

15 more relevant publication in the last 5 yrs (2018-2022)

1. Maraldo M, **Levis M**, Andreis A, Armenian S, Bates J, Brady J, Ghigo A, Lyon AR, Manisty C, Ricardi U, Aznar MC, Filippi AR. An integrated approach to Cardio-protection in lymphomas. *Lancet Haematol* 2022;9(6):e445-e454
2. **Levis M**, Dusi V, Magnano M, Cerrato M, Gallio E, Depaoli A, Ferraris F, De Ferrari GM, Ricardi U, Anselmino M. A case report of long-term successful stereotactic arrhythmia radioablation in a cardiac contractility modulation device carrier with giant left atrium, including a detailed dosimetric analysis. *Front Cardiovasc Med* 2022;9:934686
3. Mantovani C, Gastino A, Cerrato M, Badellino S, Ricardi U, **Levis M**. Modern radiation therapy for the management of brain metastases from non-small cell lung cancer: current approaches and future directions. *Front Oncol* 2021;11:772789
4. Aznar M, Ntentas G, Enmark M, Flampouri S, Petersen PM, Ricardi U, **Levis M**. The role of motion management and position verification in lymphoma radiotherapy. *Br J Radiol* 2021;94:20210618
5. Ricardi U, **Levis M**, Evangelista A, Gioia DM, Sacchetti GM, Gotti M, Re A, Buglione M, Pavone V, Nardella A, Nassi L, Zanni M, Franzone P, Frezza GP, Pulsoni A, Grapulin L, Santoro A, Rigacci L, Simontacchi G, Tani M, Zaja F, Abruzzese E, Botto B, Zilioli VR, Rota-Scalabrini D, Freilone R, Ciccone G, Filippi AR, Zinzani PL. Role of Radiotherapy to bulky sites of advanced Hodgkin lymphoma treated with ABVD: final results of FIL HD0801 trial. *Blood Adv* 2021;5:4504-4514
6. Cerrato M, Orlandi E, Vella A, Bartoncini S, Iorio GC, Bongiovanni D, Capriotti F, Boccomini C, Vassallo F, Cavallin C, De Luca V, Giglioli FR, Ricardi U, **Levis M**. Efficacy of low-dose radiotherapy (2 Gy x 2) in the treatment of marginal and mucosa-associated lymphoid tissue lymphomas. *Br J Radiol* 2021;94:1123
7. **Levis M**, Andreis A, Badellino S, Budano C, Caivano C, Cerrato M, Orlandi E, Bissolino A, Angelico G, Cavallin C, Giglioli FR, De Ferrari GM, Ricardi U. Safety of lung stereotactic ablative radiotherapy for the functioning of cardiac implantable electronic devices. *Radiother Oncol* 2021;156:193-198
8. Qi S, Milgrom S, Dabaja B, Tsang R, **Levis M**, Ricardi U, Lopez-Alonso R, Dann EJ, Ng A, Yahalom J. Two distinct prognostic groups in advanced-stage Hodgkin lymphoma revealed by the presence and site of bulky disease. *Blood Adv* 2020;4(9):2064-2072
9. Binkley MS, Rauf MS, Milgrom SA, Pinnix CC, Tsang R, Dickinson M, Ng AK, Roberts KB, Gao S, Balogh A, Ricardi U, **Levis M**, Casulo C, Stolten M, Specht L, Plastaras JP, Wright C, Kelsey CR, Brady JL, Mikhaeel NG, Hoppe BS, Terezakis SA, Picardi M, Della Pepa R, Kirova Y, Akhtar S, Maghfoor I, Koenig JL, Jackson C, Song E, Sehgal S, Advani RH, Natkunam Y, Constine LS, Eich HT, Wirth A, Hoppe RT. Stage I-II nodular lymphocyte-predominant Hodgkin lymphoma: a multi-institutional study of adult patients by ILROG. *Blood* 2020;135(26):2365-2374
10. Filippi AR, Meregalli S, DI Russo A, **Levis M**, Ciammella P, Buglione M, Guerini AE, De Marco G, De Sanctis V, Vagge S, Ricardi U, Simontacchi G; Fondazione Italiana Linfomi (FIL) Radiotherapy Committee. Fondazione Italiana Linfomi (FIL) expert consensus on the use of intensity-modulated and image-guided radiotherapy for Hodgkin's lymphoma involving the mediastinum. *Radiat Oncol* 2020;15(1):62
11. Ricardi U, Maraldo MV, **Levis M**, Parikh RR. Proton therapy for lymphomas: current state of the art. *Onco Targets Ther* 2019;12:8033-8046

12. **Levis M**, Filippi AR, Fiandra C, De Luca V, Bartoncini S, Vella D, Ragona R, Ricardi U. Inclusion of heart substructures in the optimization process of volumetric modulated arc therapy techniques may reduce the risk of heart disease in Hodgkin's lymphoma patients. *Radiother Oncol* 2019;138:52-58
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14. Brady JL, Binkley MS, Hajj C, Chelius M, Chau K, Balogh A, **Levis M**, Filippi AR, Jones M, MacManus M, Wirth A, Oguchi M, Krog Vistisen A, Andraos TY, Ng AK, Aleman BPM, Choi SH, Kirova Y, Hardy S, Reinartz G, Eich HT, Bratman SV, Constine LS, Suh CO, Dabaja B, El-Galaly TC, Hodgson DC, Ricardi U, Yahalom J, Hoppe RT, Mikhaeel NG. Definitive radiotherapy for localized follicular lymphoma staged by ¹⁸F-FDG PET-CT: a collaborative study by ILROG. *Blood* 2019;133:237-245
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Torino, 19/04/2023

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