

Centro per lo studio e la cura delle malattie tropicali

Descrizione

Responsabile Prof. Alessandro Bartoloni

Equipe

Valentina Petrini (assistente sanitario)

Costanza Fiorelli (medico)

Antonia Mantella (biologa)

Michele Spinicci (medico)

Lorenzo Zammarchi (medico)

Medici in formazione specialistica della Scuola di Specializzazione Malattie Infettive e Tropicali Dell'Università degli Studi di Firenze.

Il sempre più intenso movimento di persone che, per turismo o per motivi professionali, si recano in Paesi stranieri e i flussi migratori in costante aumento hanno determinato nell'ultimo ventennio la comparsa di patologie estranee alle nostre latitudini e la riscoperta di malattie ormai dimenticate. Il Centro di Riferimento Regionale della Toscana per lo Studio e la Cura delle Malattie Tropicali nasce dall'esigenza di fornire un servizio a coloro che viaggiano all'estero e rientrano con sospetta patologia d'importazione e alle persone provenienti dalle aree più povere del pianeta, affetti da patologie la cui diagnosi e terapia richiedono mezzi e competenze mirate.

Il Centro è stato istituito con delibera della Giunta Regionale n. 216 del 2002 ed afferisce alla Struttura Organizzativa Dipartimentale [Malattie Infettive e Tropicali](#) dell'Azienda Ospedaliero-Universitaria areggi. Il Centro è costituito da un complesso integrato di laboratorio di ricerca, ambulatorio specializzato, Day Hospital e degenza ordinaria.

Il personale del Centro, afferente all'Azienda Ospedaliero-Universitaria Careggi e all'Università degli Studi di Firenze, mette a disposizione dei cittadini l'esperienza clinica e diagnostica, maturata in molti anni di attività clinica e di ricerca realizzate in Paesi Tropicali.

Attività

Attività assistenziale

- Consulenza clinica-diagnostica ai medici di base e colleghi specialisti per l'approccio diagnostico, clinico e terapeutico al paziente con sospetta patologia tropicale
- Assistenza diretta a persone con presunta patologia tropicale
- Attività nell'ambito della Medicina dei Viaggi e delle Migrazioni, in particolare, assistenza ai viaggiatori di ritorno da paesi tropicale e agli immigrati regolari e irregolari
- Attuazione di programmi di sorveglianza epidemiologica di malattie tropicali e di importazione in collaborazione con la Regione Toscana e con le strutture sanitarie locali
- Partecipazione a [TropNet](#), rete europea di sorveglianza delle patologie tropicali e d'importazione

Attività didattica

- Informazione, formazione e aggiornamento di studenti e del personale sanitario sui temi della Medicina Tropicale
- Organizzazione di seminari e congressi relativi all'approfondimento di temi specifici
- Organizzazione del Corso di perfezionamento in Medicina Tropicale e Cooperazione Sanitaria
- Organizzazione del Corso di perfezionamento in Ecografia e Malattie Infettive nei Paesi a Risorse Limitate
- Organizzazione del Master interuniversitario di I livello Medicina Tropicale e Salute Globale

Attività scientifica

- Attività di ricerca scientifica e cooperazione sanitaria da oltre venticinque anni in Paesi dell'America Latina su temi nel campo batteriologico, virale e parassitario
- Coordinamento di progetti di ricerca internazionali realizzati con il contributo dell'Unione Europea, ONG italiane (MLAL, UCODEP, CMSR), Ministero Affari Esteri, Regione Toscana, Cassa di Risparmio di Firenze, 8x1000 Chiesa Valdese etc.
- Pubblicazione dei risultati ottenuti sulle principali riviste scientifiche del settore

Sede di attività

Padiglione 15 (Piastra dei Servizi)

Azienda Ospedaliero-Universitaria Careggi – Largo Brambilla n. 3, 50134 Firenze

Contatti

Per prenotare visite ambulatoriali:

- Richiesta del medico curante per visita infettivologica
- Prenotazione telefonica dal lunedì al venerdì ore 10:00 – 14:00 tel. 055 794 94 25

Per contattare i medici del Centro:

- tel 055 794 94 31
- fax 055 794 77 10
- E-mail: maltrop@aou-careggi.toscana.it

Collaborazioni

All'interno dell'AOU Careggi con le SOD:

- [Microbiologia e Virologia](#)
- [Medicina interna interdisciplinare](#)
- [Immunologia e Terapie Cellulari](#)
- [Centro cardiomiopatie ipertrofiche e dilatative](#)
- [Centro malattie infettive in gravidanza](#)

Esterne:

- [Istituto Superiore di Sanità](#)
- [TropNet \(European Network for Tropical Medicine and Travel Health\)](#)
- [Ambulatorio per il bambino adottato all'estero e immigrato, Malattie Infettive, AOU Meyer, Firenze](#)
- [Bernhard Nocht Institute for Tropical Medicine](#)
- [Cooperativa sociale il Girasole](#)
- [Dipartimento di Sanità Pubblica e Malattie Infettive, Sapienza, Università di Roma, Roma](#)
- [Malattie Infettive e Tropicali e Microbiologia, Sacro Cuore Don Calabria IRCCS, Negrar](#)

Pubblicazioni

1: Palterer B, Salvati L, Capone M, Mecheri V, Maggi L, Mazzoni A, Cosmi L, Volpi N, Tiberi L, Provenzano A, Giglio S, Parronchi P, Maggiore G, Gallo O, Bartoloni A, Annunziato F, Zammarchi L, Liotta F. Variants Disrupting CD40L Transmembrane Domain and Atypical X-Linked Hyper-IgM Syndrome: A Case Report

With Leishmaniasis and Review of the Literature. *Front Immunol.* 2022 Apr 28;13:840767. doi: 10.3389/fimmu.2022.840767. PMID: 35572607; PMCID: PMC9096836

2: Botta A, Comelli A, Vellere I, Chechi F, Bianchi L, Giulia G, Tomasoni LR, Spinicci M, Galli L, Castelli F, Bartoloni A, Zammarchi L. Artesunate monotherapy versus artesunate plus quinine combination therapy for treatment of imported severe malaria: a TropNet retrospective cohort study. *Infection.* 2022 Feb 27. doi: 10.1007/s15010-022-01771-5. Epub ahead of print. PMID: 35220555

3: Barbarisi G, Piccica M, Zavagli M, Bandini G, Di Lauria N, Antonelli A, Spinicci M, Rossolini GM, Bartoloni A, Moggi Pignone A, Zammarchi L. Hookworm infection presenting as recurrent severe anaemia requiring blood transfusion in a Pakistani migrant to Italy. *J Travel Med.* 2022 Jan 17;29(1):taab184. doi: 10.1093/jtm/taab184. PMID: 34865110

4: Chechi F, Corsi P, Bartolozzi D, Gaiera G, Bartoloni A, Zammarchi L. Case Report: Intravenous Pentamidine Rescue Treatment for Active Chronic Visceral Leishmaniasis in an HIV-1 Infected Patient. *Am J Trop Med Hyg.* 2021 Nov 15;106(2):639-642. doi: 10.4269/ajtmh.21-0600. PMID: 34781255; PMCID: PMC8832899

5: Venturini E, Fusani L, Mantella A, Bianchi L, Antonelli A, Montagnani C, Chiappini E, Spinicci M, Bartoloni A, Rossolini GM, Zammarchi L, Galli L. Strongyloidiasis in Children Outside the Tropics: Do We Need to Increase Awareness? *Microorganisms.* 2021 Sep 8;9(9):1905. doi: 10.3390/microorganisms9091905. PMID: 34576800; PMCID: PMC8465658

6: Buonfrate D, Zammarchi L, Bisoffi Z, Montresor A, Boccalini S. Control programs for strongyloidiasis in areas of high endemicity: an economic analysis of different approaches. *Infect Dis Poverty.* 2021 May 25;10(1):76. doi: 10.1186/s40249-021-00858-9. PMID: 34030741; PMCID: PMC8147038

7: Vellere I, Graziani L, Tilli M, Mantella A, Campolmi I, Mencarini J, Borchini B, Spinicci M, Antonelli A, Rossolini GM, Bartoloni A, Zammarchi L. Strongyloidiasis in the COVID era: a warning for an implementation of the screening protocol. *Infection.* 2021 Oct;49(5):1065-1067. doi: 10.1007/s15010-

021-01621-w. Epub 2021 May 10. PMID: 33970429; PMCID: PMC8107200.

8: Vellere I, Di Lauria N, Mantella A, Cavallo A, Bresci S, Bartoloni A, Zammarchi L. Atypical imported severe primary dengue presenting with neutrophilic leukocytosis and cardiac tamponade in a young female traveler. *J Travel Med.* 2021 Jul 7;28(5):taab074. doi: 10.1093/jtm/taab074. PMID: 33987662

9: Piccica M, Lagi F, Bartoloni A, Zammarchi L. Efficacy and safety of pentamidine isethionate for tegumentary and visceral human leishmaniasis: a systematic review. *J Travel Med.* 2021 Aug 27;28(6):taab065. doi: 10.1093/jtm/taab065. PMID: 33890115

10: Basile G, Piccica M, Vellere I, Meli M, Mazzetti M, Massi D, Maio V, Cecconi D, Rossolini GM, Bartoloni A, Zammarchi L. Disseminated Talaromyces infection in an AIDS patient. *Clin Microbiol Infect.* 2022 Jan;28(1):64-65. doi: 10.1016/j.cmi.2021.03.017. Epub 2021 Apr 2. PMID: 33813123

11: Sforza S, Tuccio A, Zammarchi L, Verrienti P, Rinaldi F, Tilli M, Di Maida F, Mari A, Masieri L, Carini M, Bartoloni A, Minervini A. Urological management and surgical procedures in migrants from Sub-Saharan Africa with urogenital schistosomiasis. *Actas Urol Esp (Engl Ed).* 2021 May;45(4):309-319. English, Spanish. doi: 10.1016/j.acuro.2020.03.016. Epub 2021 Mar 5. PMID: 33685664

12: Tilli M, Botta A, Mantella A, Nuti B, Bartoloni A, Boccalini S, Zammarchi L. Community-based seroprevalence survey of schistosomiasis and strongyloidiasis by means of Dried Blood Spot testing on Sub-Saharan migrants resettled in Italy. *New Microbiol.* 2021 Jan;44(1):62-65. Epub 2020 Dec 16. PMID: 33453705

13: Modi G, Borchi B, Giaché S, Campolmi I, Trotta M, Di Tommaso M, Strambi N, Bartoloni A, Zammarchi L. Emerging Infectious Diseases in Pregnant Women in a Non-Endemic Area: Almost One Out of Four Is at Risk. *Pathogens.* 2021 Jan 10;10(1):56. doi: 10.3390/pathogens10010056. PMID: 33435140; PMCID: PMC7827164

14: Giaché S, Modi G, Borchi B, Campolmi I, Trotta M, Di Tommaso M, Seravalli V, Bartoloni A, Zammarchi L. Should obstetricians working in non-endemic countries care about emerging tropical diseases? *Eur J Obstet Gynecol Reprod Biol.* 2021 Feb;257:25-34. doi: 10.1016/j.ejogrb.2020.11.066. Epub 2020 Dec 9. PMID: 33359921

15: Zammarchi L, Viligiardi R, Modi G, Spinicci M, Bartoloni A. A calcified intestinal worm or Salgari's syndrome? *J Travel Med.* 2021 Jan 6;28(1):taaa208. doi: 10.1093/jtm/taaa208. PMID: 33244608

16: Vellere I, Lagi F, Spinicci M, Mantella A, Mantengoli E, Corti G, Colao MG, Gobbi F, Rossolini GM, Bartoloni A, Zammarchi L. Arbo-Score: A Rapid Score for Early Identification of Patients with Imported Arbovirosis Caused by Dengue, Chikungunya and Zika Virus. *Microorganisms.* 2020 Nov 4;8(11):1731. doi: 10.3390/microorganisms8111731. PMID: 33158274; PMCID: PMC7716211

17: Zammarchi L, Angheben A, Galli L, Dani C, Di Tommaso M, Petraglia F, Aliani FB, Trotta M, Spinicci M, Albajar Viñas P, Bartoloni A. Ongoing mother-to-child transmission of Chagas disease in Italy: 2014-18 estimates. *J Travel Med.* 2021 Jan 6;28(1):taaa201. doi: 10.1093/jtm/taaa201. PMID: 33094338

- 18: Tilli M, Olliaro P, Gobbi F, Bisoffi Z, Bartoloni A, Zammarchi L. Neglected tropical diseases in non-endemic countries in the era of COVID-19 pandemic: the great forgotten. *J Travel Med.* 2021 Jan 6;28(1):taaa179. doi: 10.1093/jtm/taaa179. PMID: 32970143; PMCID: PMC7543559
- 19: Spinicci M, Zammarchi L, Gramiccia M, Di Muccio T, Bartolozzi D, Corsi P, Trotta M, Bartoloni A. Effective meglumine antimoniate intralesional therapy for Chiclero's ulcer refractory to systemic liposomal amphotericin B. *J Travel Med.* 2021 Aug 27;28(6):taaa169. doi: 10.1093/jtm/taaa169. PMID: 32918547
- 20: Spinicci M, Bartoloni A, Mantella A, Zammarchi L, Rossolini GM, Antonelli A. Low risk of serological cross-reactivity between dengue and COVID-19. *Mem Inst Oswaldo Cruz.* 2020;115:e200225. doi: 10.1590/0074-02760200225. Epub 2020 Aug 14. PMID: 32813814; PMCID: PMC7427313
- 21: Venturini E, Zammarchi L, Bianchi L, Montagnani C, Tersigni C, Bortone B, Chiappini E, Galli L. Efficacy and Safety of Intravenous Artesunate in Children With Severe Imported Malaria. *Pediatr Infect Dis J.* 2020 Aug;39(8):e220. doi: 10.1097/INF.0000000000002694. PMID: 32677815
- 22: Ursini T, Di Giacomo R, Caldrea S, Angheben A, Zammarchi L, Filippini S, Pizio NR, Bisoffi Z, Buonfrate D. Neurocysticercosis-related seizures in the post-partum period: two cases and a review of the literature. *Lancet Infect Dis.* 2020 Aug;20(8):e204-e214. doi: 10.1016/S1473-3099(20)30240-1. Epub 2020 Jun 19. PMID: 32569624
- 23: Campolmi I, Angheben A, Aliani FB, Spinicci M, Bartoloni A, Zammarchi L. Chagas disease in Italy: updated estimates. *Intern Emerg Med.* 2020 Oct;15(7):1339-1343. doi: 10.1007/s11739-020-02387-z. Epub 2020 Jun 9. PMID: 32519135
- 24: Basile G, Cristofaro G, Locatello LG, Vellere I, Piccica M, Bresci S, Maggiore G, Gallo O, Novelli A, Di Muccio T, Gramiccia M, Gradoni L, Gaiera G, Bartoloni A, Zammarchi L. Refractory mucocutaneous leishmaniasis resolved with combination treatment based on intravenous pentamidine, oral azole, aerosolized liposomal amphotericin B, and intralesional meglumine antimoniate. *Int J Infect Dis.* 2020 Aug;97:204-207. doi: 10.1016/j.ijid.2020.06.003. Epub 2020 Jun 4. PMID: 32505874
- 25: Ottino L, Buonfrate D, Paradies P, Bisoffi Z, Antonelli A, Rossolini GM, Gabrielli S, Bartoloni A, Zammarchi L. Autochthonous Human and Canine *Strongyloides stercoralis* Infection in Europe: Report of a Human Case in An Italian Teen and Systematic Review of the Literature. *Pathogens.* 2020 Jun 3;9(6):439. doi: 10.3390/pathogens9060439. PMID: 32503315; PMCID: PMC7350350
- 26: Tilli M, Botta A, Bartoloni A, Corti G, Zammarchi L. Hospitalization for Chagas disease, dengue, filariasis, leishmaniasis, schistosomiasis, strongyloidiasis, and *Taenia solium* taeniasis/cysticercosis, Italy, 2011-2016. *Infection.* 2020 Oct;48(5):695-713. doi: 10.1007/s15010-020-01443-2. Epub 2020 May 16. PMID: 32418191
- 27: Rossi P, Tamarozzi F, Galati F, Akhan O, Cretu CM, Vutova K, Siles-Lucas M, Brunetti E, Casulli A; ERCE network. The European Register of Cystic Echinococcosis, ERCE: state-of-the-art five years after its launch. *Parasit Vectors.* 2020 May 7;13(1):236. doi: 10.1186/s13071-020-04101-6. PMID: 32381109; PMCID: PMC7206799

- 28: Abraham A, Schmidt V, Kaminski M, Stelzle D, De Meijere R, Bustos J, Sahu PS, Garcia HH, Bobi? B, Cretu C, Chiodini P, Deksne G, Dermauw V, Devleeschauwer B, Dorny P, Fonseca A, Gabriël S, Gómez-Morales MA, Kucsera I, Laranjo-González M, Trevisan C, Vilhena M, Walker NF, Zammarchi L, Winkler AS. Epidemiology and surveillance of human (neuro)cysticercosis in Europe: is enhanced surveillance required? *Trop Med Int Health*. 2020 May;25(5):566-578. doi: 10.1111/tmi.13384. Epub 2020 Mar 20. PMID: 32083787
- 29: Zammarchi L, Tilli M, Botta A, Buonfrate D, Bartoloni A, Boccalini S. Strategies for management of strongyloidiasis in migrants from Sub-Saharan Africa recently arrived in Italy: A cost-effectiveness analysis. *Travel Med Infect Dis*. 2020 Jul-Aug;36:101561. doi: 10.1016/j.tmaid.2020.101561. Epub 2020 Jan 23. PMID: 31982632
- 30: Zammarchi L, Tilli M, Mantella A, Botta A, Nicoletti A, García HH, Castillo Y, Aquilini D, Boccalini S, Bartoloni A. No Confirmed Cases of *Taenia solium* Taeniasis in a Group of Recently Arrived Sub-Saharan Migrants to Italy. *Pathogens*. 2019 Dec 14;8(4):296. doi: 10.3390/pathogens8040296. PMID: 31847324; PMCID: PMC6963956
- 31: Zanelli G, Rossetti B, Gagliardini R, Paglicci L, Tordini G, Miracco C, Aversa S, Zammarchi L, Di Muccio T, Gramiccia M, Montagnani F. Use of miltefosine in a patient with mucosal leishmaniasis and HIV-coinfection: a challenge in long-term management. *Infez Med*. 2019 Dec 1;27(4):452-455. PMID: 31846999
- 32: Zammarchi L, Gobbi F, Angheben A, Spinicci M, Buonfrate D, Calleri G, De Paola M, Bevilacqua N, Carrara S, Attard L, Vanino E, Gulletta M, Festa E, Iacovazzi T, Grimaldi A, Sepe A, Salomone Megna A, Gaiera G, Castagna A, Parodi P, Albonico M, Bisoffi Z, Castelli F, Olliaro P, Bartoloni A. Schistosomiasis, strongyloidiasis and Chagas disease: the leading imported neglected tropical diseases in Italy. *J Travel Med*. 2020 Feb 3;27(1):taz100. doi: 10.1093/jtm/taz100. PMID: 31840757
- 33: Piccica M, Gramiccia M, Di Muccio T, Meli M, Gradoni L, Bartoloni A, Zammarchi L. Cutaneous leishmaniasis caused by *Leishmania (Viannia) guyanensis* complex in a traveller returning from Bolivia. *Travel Med Infect Dis*. 2019 Nov 21:101524. doi: 10.1016/j.tmaid.2019.101524. Epub ahead of print. PMID: 31760127
- 34: Comelli A, Riccardi N, Canetti D, Spinicci M, Cenderello G, Magro P, Nicolini LA, Marchese V, Zammarchi L, Castelli F, Bartoloni A, Di Biagio A, Caligaris S, Gaiera G. Delay in schistosomiasis diagnosis and treatment: a multicenter cohort study in Italy. *J Travel Med*. 2020 Feb 3;27(1):taz075. doi: 10.1093/jtm/taz075. PMID: 31616948
- 35: Vellere I, Mangano VD, Cagno MC, Gobbi F, Ragusa A, Bartoloni A, Biancofiore G, De Simone P, Campani D, Bruschi F, Zammarchi L. Imported human *Schistosoma japonicum*: A report on two cases in Filipino migrants present in Italy and a systematic review of literature. *Travel Med Infect Dis*. 2020 Jul-Aug;36:101496. doi: 10.1016/j.tmaid.2019.101496. Epub 2019 Sep 24. PMID: 31561021
- 36: Buonfrate D, Salas-Coronas J, Muñoz J, Maruri BT, Rodari P, Castelli F, Zammarchi L, Bianchi L, Gobbi F, Cabezas-Fernández T, Requena-Mendez A, Godbole G, Silva R, Romero M, Chiodini PL, Bisoffi Z. Multiple-dose versus single-dose ivermectin for *Strongyloides stercoralis* infection (Strong

- Treat 1 to 4): a multicentre, open-label, phase 3, randomised controlled superiority trial. *Lancet Infect Dis.* 2019 Nov;19(11):1181-1190. doi: 10.1016/S1473-3099(19)30289-0. Epub 2019 Sep 23. PMID: 31558376
- 37: Cozzi D, Bertelli E, Savi E, Verna S, Zammarchi L, Tilli M, Rinaldi F, Pradella S, Agostini S, Miele V. Ultrasound findings in urogenital schistosomiasis: a pictorial essay. *J Ultrasound.* 2020 Jun;23(2):195-205. doi: 10.1007/s40477-019-00405-1. Epub 2019 Sep 7. PMID: 31494862; PMCID: PMC7242546
- 38: Rauch J, Zammarchi L, Corti G, Bartoloni A, Schlaphof A, Schmidt-Chanasit J, Tappe D. Serum cytokine and chemokine changes during Toscana virus meningitis. *Med Microbiol Immunol.* 2019 Dec;208(6):727-730. doi: 10.1007/s00430-019-00611-y. Epub 2019 Apr 11. PMID: 30976912
- 39: Rinaldi F, Giachè S, Spinicci M, Corsi P, Ambu S, Gianfaldoni G, Rigacci L, Arena U, Bartoloni A, Zammarchi L. Focal spleen lesions in visceral leishmaniasis, a neglected manifestation of a neglected disease: report of three cases and systematic review of literature. *Infection.* 2019 Aug;47(4):507-518. doi: 10.1007/s15010-019-01279-5. Epub 2019 Feb 15. PMID: 30771194
- 40: Zammarchi L, Colao MG, Mantella A, Capobianco T, Mazzarelli G, Ciccone N, Tekle Kiros S, Mantengoli E, Rossolini GM, Bartoloni A. Evaluation of a new rapid fluorescence immunoassay for the diagnosis of dengue and Zika virus infection. *J Clin Virol.* 2019 Mar;112:34-39. doi: 10.1016/j.jcv.2019.01.011. Epub 2019 Jan 29. PMID: 30738366
- 41: Cattaneo L, Manciuilli T, Cretu CM, Giordani MT, Angheben A, Bartoloni A, Zammarchi L, Bartalesi F, Richter J, Chiodini P, Godbole G, Junghanss T, Stojkovic M, Sammarchi L, Dore R, Vercelli A, Benazzo F, Cuzzocrea F, Tamarozzi F, Brunetti E. Cystic Echinococcosis of the Bone: A European Multicenter Study. *Am J Trop Med Hyg.* 2019 Mar;100(3):617-621. doi: 10.4269/ajtmh.18-0758. PMID: 30693857; PMCID: PMC6402919
- 42: Tilli M, Gobbi F, Rinaldi F, Testa J, Caligaris S, Magro P, Buonfrate D, Degani M, Minervini A, Carini M, Tuccio A, Sforza S, Gulletta M, Castelli F, Agostini S, Parretti F, Richter J, Olliaro P, Bisoffi Z, Bartoloni A, Zammarchi L. The diagnosis and treatment of urogenital schistosomiasis in Italy in a retrospective cohort of immigrants from Sub-Saharan Africa. *Infection.* 2019 Jun;47(3):447-459. doi: 10.1007/s15010-019-01270-0. Epub 2019 Jan 21. Erratum in: *Infection.* 2019 Mar 4;: PMID: 30666616
- 43: Gobbi F, Bottieau E, Bouchaud O, Buonfrate D, Salvador F, Rojo-Marcos G, Rodari P, Clerinx J, Treviño B, Herrera-Ávila JP, Neumayr A, Calleri G, Angheben A, Rothe C, Zammarchi L, Guerriero M, Bisoffi Z. Comparison of different drug regimens for the treatment of loiasis-A TropNet retrospective study. *PLoS Negl Trop Dis.* 2018 Nov 1;12(11):e0006917. doi: 10.1371/journal.pntd.0006917. PMID: 30383753; PMCID: PMC6233929

- 44: Zammarchi L, Di Lauria N, Bartalesi F, Suardi LR, Corti G, Mencarini J, Boccolini D, Severini C, Gradoni L, Buonamici C, Garofalo G, Bartolesi AM, Ciccone N, Berni A, Poggesi L, Niccolini F, Rossolini GM, Romi R, Bartoloni A. Cryptic severe *Plasmodium falciparum* malaria in a Moroccan man living in Tuscany, Italy, August 2018. *Euro Surveill.* 2018 Oct;23(41):1800527. doi: 10.2807/1560-7917.ES.2018.23.41.1800527. PMID: 30326993; PMCID: PMC6194912
- 45: Zammarchi L, Angheben A, Fantoni T, Chiappini E, Mantella A, Galli L, Marchese V, Zavarise G, Bisoffi Z, Bartoloni A. Screening for neurocysticercosis in internationally adopted children: yield, cost and performance of serological tests, Italy, 2001 to 2016. *Euro Surveill.* 2018 Oct;23(40):1700709. doi: 10.2807/1560-7917.ES.2018.23.40.1700709. PMID: 30301492; PMCID: PMC6178589
- 46: Spertilli Raffaelli C, Rossetti B, Zammarchi L, Redi D, Rinaldi F, De Luca A, Montagnani F. Multiple chronic parasitic infections in an immunocompetent immigrant: a challenge for healthcare management. *Infez Med.* 2018 Sep 1;26(3):276-279. PMID: 30246773
- 47: Bartoloni A, Remoli ME, Farchi F, Zammarchi L, Fortuna C, Benedetti E, Ciufolini MG, Macchioni F, Rojas P, Lara Y, Padilla C, Roselli M, Mantengoli E, Mantella A, Tolari F, Paredes GA, Monasterio J, Valdarchi C, Venturi G, Rezza G. Seroprevalence of West Nile and dengue virus in the human population of the Bolivian Chaco. *J Med Virol.* 2019 Jan;91(1):146-150. doi: 10.1002/jmv.25283. Epub 2018 Sep 7. PMID: 30118540
- 48: Carrai P, Zammarchi L, Pollina LE, Giordani L, Mangano V, Iapoce R, Rinaldi F, Bartoloni A, Filipponi F, De Simone P, Bruschi F. Post-transplant liver graft schistosomiasis in a migrant from Sub-Saharan Africa. *Transpl Infect Dis.* 2018 Oct;20(5):e12950. doi: 10.1111/tid.12950. Epub 2018 Jul 13. PMID: 2989001
- 49: Angheben A, Buonfrate D, Zammarchi L, Strohmeyer M, Gobbi F, Degani M, Anselmi M, Marchese V, Bartoloni A, Bisoffi Z. Seroprevalence of *Taenia solium* antibodies in a cohort of Bolivian immigrants in Italy. *Acta Trop.* 2018 Sep;185:107-109. doi: 10.1016/j.actatropica.2018.05.005. Epub 2018 May 7. PMID: 29746869
- 50: Odolini S, Gobbi F, Zammarchi L, Migliore S, Mencarini P, Vecchia M, di Lauria N, Schivazappa S, Sabatini T, Chianura L, Vanino E, Piacentini D, Zanotti P, Bussi A, Bartoloni A, Bisoffi Z, Castelli F. Febrile rhabdomyolysis of unknown origin in refugees coming from West Africa through the Mediterranean. *Int J Infect Dis.* 2017 Sep;62:77-80. doi: 10.1016/j.ijid.2017.07.018. Epub 2017 Jul 26. PMID: 28756023
- 51: Requena-Méndez A, Buonfrate D, Gomez-Junyent J, Zammarchi L, Bisoffi Z, Muñoz J. Evidence-Based Guidelines for Screening and Management of Strongyloidiasis in Non-Endemic Countries. *Am J Trop Med Hyg.* 2017 Sep;97(3):645-652. doi: 10.4269/ajtmh.16-0923. Epub 2017 Jul 27. PMID: 28749768; PMCID: PMC5590585
- 52: Lingscheid T, Kurth F, Clerinx J, Marocco S, Trevino B, Schunk M, Muñoz J, Gjørup IE, Jelinek T, Develoux M, Fry G, Jänisch T, Schmid ML, Bouchaud O, Puente S, Zammarchi L, Mørch K, Björkman A, Siikamäki H, Neumayr A, Nielsen H, Hellgren U, Paul M, Calleri G, Kosina P, Myrvang B, Ramos JM, Just-Nübling G, Beltrame A, Saraiva da Cunha J, Kern P, Rochat L, Stich A, Pongratz P,

- Grobusch MP, Suttorp N, Witzernath M, Hatz C, Zoller T; TropNet Schistosomiasis Investigator Group. Schistosomiasis in European Travelers and Migrants: Analysis of 14 Years TropNet Surveillance Data. *Am J Trop Med Hyg.* 2017 Aug;97(2):567-574. doi: 10.4269/ajtmh.17-0034. Epub 2017 Jul 19. PMID: 28722637; PMCID: PMC5544096
- 53: Beltrame A, Guerriero M, Angheben A, Gobbi F, Requena-Mendez A, Zammarchi L, Formenti F, Perandin F, Buonfrate D, Bisoffi Z. Accuracy of parasitological and immunological tests for the screening of human schistosomiasis in immigrants and refugees from African countries: An approach with Latent Class Analysis. *PLoS Negl Trop Dis.* 2017 Jun 5;11(6):e0005593. doi: 10.1371/journal.pntd.0005593. PMID: 28582412; PMCID: PMC5472324
- 54: Zammarchi L, Vellere I, Stella L, Bartalesi F, Strohmeyer M, Bartoloni A. The diagnosis of neglected tropical diseases (NTDs) in Italy: reply. *Intern Emerg Med.* 2017 Aug;12(5):725-726. doi: 10.1007/s11739-017-1672-2. Epub 2017 May 3. PMID: 28470412
- 55: Zammarchi L, Bonati M, Strohmeyer M, Albonico M, Requena-Méndez A, Bisoffi Z, Nicoletti A, García HH, Bartoloni A; COHEMI Project Study Group. Screening, diagnosis and management of human cysticercosis and *Taenia solium* taeniasis: technical recommendations by the COHEMI project study group. *Trop Med Int Health.* 2017 Jul;22(7):881-894. doi: 10.1111/tmi.12887. Epub 2017 Jun 1. PMID: 28449318
- 56: Fortuna C, Remoli ME, Rizzo C, Benedetti E, Fiorentini C, Bella A, Argentini C, Farchi F, Castilletti C, Capobianchi MR, Zammarchi L, Bartoloni A, Zanchetta N, Gismondo MR, Nelli LC, Vitale G, Baldelli F, D'Agaro P, Sodano G, Rezza G; Arbovirus Working Group, Venturi G. Imported arboviral infections in Italy, July 2014-october 2015: a National Reference Laboratory report. *BMC Infect Dis.* 2017 Mar 16;17(1):216. doi: 10.1186/s12879-017-2320-1. Erratum in: *BMC Infect Dis.* 2017 May 10;17(1):335. PMID: 28302072; PMCID: PMC535629
- 57: Zammarchi L, Spinicci M, Bartoloni A. The Importance of Updating and Continuous Education on Imported Emerging Diseases. *Mediterr J Hematol Infect Dis.* 2017 Mar 1;9(1):e2017022. doi: 10.4084/MJHID.2017.022. PMID: 28293410; PMCID: PMC5333738
- 58: Martelli G, Di Girolamo C, Zammarchi L, Angheben A, Morandi M, Tais S, Degani M, El Hamad I, Caligaris S, Ciannameo A, Grilli E, Urbinati L, Monteiro GB, Scarcella C, Petrosillo N, Digaetano M, Rabbi L, Bazzanini N, Cacciatore F, Marta BL, Moro ML, Bartoloni A, Viale P, Verucchi G. Seroprevalence of five neglected parasitic diseases among immigrants accessing five infectious and tropical diseases units in Italy: a cross-sectional study. *Clin Microbiol Infect.* 2017 May;23(5):335.e1-335.e5. doi: 10.1016/j.cmi.2017.02.024. Epub 2017 Mar 1. PMID: 28259548
- 59: Zammarchi L, Vellere I, Stella L, Bartalesi F, Strohmeyer M, Bartoloni A. Spectrum and burden of neglected tropical diseases observed in an infectious and tropical diseases unit in Florence, Italy (2000-2015). *Intern Emerg Med.* 2017 Jun;12(4):467-477. doi: 10.1007/s11739-016-1597-1. Epub 2017 Jan 4. PMID: 28054225
- 60: Zammarchi L, Spinicci M, Bartoloni A. Zika Virus: a Review from the Virus Basics to Proposed Management Strategies. *Mediterr J Hematol Infect Dis.* 2016 Nov 1;8(1):e2016056. doi: 10.4084/MJHID.2016.056. PMID: 27872736; PMCID: PMC5111539

- 61: Zammarchi L, Fortuna C, Venturi G, Rinaldi F, Capobianco T, Remoli ME, Rossolini GM, Rezza G, Bartoloni A. Recent Chikungunya Virus Infection in 2 Travelers Returning from Mogadishu, Somalia, to Italy, 2016. *Emerg Infect Dis.* 2016 Nov;22(11):2025-2027. doi: 10.3201/eid2211.161225. Epub 2016 Nov 15. PMID: 27513985; PMCID: PMC5088032
- 62: Zammarchi L, Antonelli A, Lapini M, Prato M, Farese A, Rossolini GM, Bartoloni A. Travelers lowering their guard: a bacterial, viral and protozoan co-infection after a five-day journey in India. *J Travel Med.* 2016 Jul 4;23(5). doi: 10.1093/jtm/taw044. PMID: 27378368
- 63: Zammarchi L, Angheben A, Gobbi F, Zavarise G, Requena-Mendez A, Marchese V, Montagnani C, Galli L, Bisoffi Z, Bartoloni A, Muñoz J. Profile of adult and pediatric neurocysticercosis cases observed in five Southern European centers. *Neurol Sci.* 2016 Aug;37(8):1349-55. doi: 10.1007/s10072-016-2606-x. Epub 2016 May 18. PMID: 27193586; PMCID: PMC4956690
- 64: Venturi G, Zammarchi L, Fortuna C, Remoli ME, Benedetti E, Fiorentini C, Trotta M, Rizzo C, Mantella A, Rezza G, Bartoloni A. Authors' reply: diagnostic challenges to be considered regarding Zika virus in the context of the presence of the vector *Aedes albopictus* in Europe. *Euro Surveill.* 2016;21(10):30163. doi: 10.2807/1560-7917.ES.2016.21.10.30163. PMID: 26988337
- 65: Venturi G, Zammarchi L, Fortuna C, Remoli ME, Benedetti E, Fiorentini C, Trotta M, Rizzo C, Mantella A, Rezza G, Bartoloni A. An autochthonous case of Zika due to possible sexual transmission, Florence, Italy, 2014. *Euro Surveill.* 2016;21(8):30148. doi: 10.2807/1560-7917.ES.2016.21.8.30148. PMID: 26939607
- 66: Zammarchi L, Antonelli A, Bartolini L, Pecile P, Trotta M, Rogasi PG, Santini MG, Dilaghi B, Grifoni S, Rossolini GM, Bartoloni A. Louse-Borne Relapsing Fever with Meningeal Involvement in an Immigrant from Somalia to Italy, October 2015. *Vector Borne Zoonotic Dis.* 2016 May;16(5):352-5. doi: 10.1089/vbz.2015.1928. Epub 2016 Mar 3. PMID: 26938933
- 67: Tappe D, Pérez-Girón JV, Zammarchi L, Rissland J, Ferreira DF, Jaenisch T, Gómez-Medina S, Günther S, Bartoloni A, Muñoz-Fontela C, Schmidt-Chanasit J. Cytokine kinetics of Zika virus-infected patients from acute to convalescent phase. *Med Microbiol Immunol.* 2016 Jun;205(3):269-73. doi: 10.1007/s00430-015-0445-7. Epub 2015 Dec 24. PMID: 26702627; PMCID: PMC4867002
- 68: Beltrame A, Zammarchi L, Zuglian G, Gobbi F, Angheben A, Marchese V, Degani M, Mantella A, Bianchi L, Montagnani C, Galli L, Bassetti M, Bartoloni A, Bisoffi Z. Schistosomiasis Screening of Travelers to Corsica, France. *Emerg Infect Dis.* 2016 Jan;22(1):159-60. doi: 10.3201/eid2201.151590. PMID: 26691318; PMCID: PMC4696721
- 69: Beltrame A, Zammarchi L, Zuglian G, Gobbi F, Angheben A, Marchese V, Degani M, Mantella A, Bianchi L, Montagnani C, Galli L, Bassetti M, Bartoloni A, Bisoffi Z. Schistosomiasis Screening of Travelers from Italy with Possible Exposure in Corsica, France. *Emerg Infect Dis.* 2015 Oct;21(10):1887-9. doi: 10.3201/eid2110.150869. PMID: 26401824; PMCID: PMC4593455
- 70: Zammarchi L, Casadei G, Strohmeyer M, Bartalesi F, Liendo C, Matteelli A, Bonati M, Gotuzzo E, Bartoloni A; COHEMI project study group. A scoping review of cost-effectiveness of screening and treatment for latent tuberculosis infection in migrants from high-incidence countries. *BMC Health Serv*

Res. 2015 Sep 24;15:412. doi: 10.1186/s12913-015-1045-3. PMID: 26399233; PMCID: PMC4581517

71: Zammarchi L, Tappe D, Fortuna C, Remoli ME, Günther S, Venturi G, Bartoloni A, Schmidt-Chanasit J. Zika virus infection in a traveller returning to Europe from Brazil, March 2015. *Euro Surveill.* 2015 Jun 11;20(23):21153. doi: 10.2807/1560-7917.es2015.20.23.21153. PMID: 26084316

72: Magurano F, Zammarchi L, Baggieri M, Fortuna C, Farese A, Benedetti E, Fiorentini C, Rezza G, Nicoletti L, Bartoloni A. Chikungunya from the Caribbean: the importance of appropriate laboratory tests to confirm the diagnosis. *Vector Borne Zoonotic Dis.* 2015 Apr;15(4):258-60. doi: 10.1089/vbz.2014.1724. PMID: 25897812

73: Zammarchi L, Montagnani F, Tordini G, Gotuzzo E, Bisoffi Z, Bartoloni A, De Luca A. Persistent strongyloidiasis complicated by recurrent meningitis in an HTLV seropositive Peruvian migrant resettled in Italy. *Am J Trop Med Hyg.* 2015 Jun;92(6):1257-1260. doi: 10.4269/ajtmh.14-0716. Epub 2015 Apr 6. PMID: 25846292; PMCID: PMC4458834

74: Zammarchi L, Stella G, Mantella A, Bartolozzi D, Tappe D, Günther S, Oestereich L, Cadar D, Muñoz-Fontela C, Bartoloni A, Schmidt-Chanasit J. Zika virus infections imported to Italy: clinical, immunological and virological findings, and public health implications. *J Clin Virol.* 2015 Feb;63:32-5. doi: 10.1016/j.jcv.2014.12.005. Epub 2014 Dec 12. PMID: 25600600

75: Zammarchi L, Tortoli E, Borroni E, Bartalesi F, Strohmeier M, Baretta S, Simonetti MT, Liendo C, Santini MG, Rossolini GM, Gotuzzo E, Bartoloni A; COHEMI project study group. High prevalence of clustered tuberculosis cases in peruvian migrants in florence, Italy. *Infect Dis Rep.* 2014 Dec 11;6(4):5646. doi: 10.4081/idr.2014.5646. PMID: 25568758; PMCID: PMC4274404

76: Zammarchi L, Farese A, Trotta M, Amantini A, Raoult D, Bartoloni A. Rickettsia africae infection complicated with painful sacral syndrome in an Italian traveller returning from Zimbabwe. *Int J Infect Dis.* 2014 Dec;29:194-6. doi: 10.1016/j.ijid.2014.10.017. Epub 2014 Nov 5. PMID: 25447725

77: Zammarchi L, Viligiardi R, Strohmeier M, Bartoloni A. Dermatobia hominis: Small Migrants Hidden in Your Skin. *Ann Dermatol.* 2014 Oct;26(5):632-5. doi: 10.5021/ad.2014.26.5.632. Epub 2014 Sep 26. PMID: 25324659; PMCID: PMC4198594

78: Lagi F, Zammarchi L, Strohmeier M, Bartalesi F, Mantella A, Meli M, Blanc P, Tacconi D, Farese A, Zanelli G, Pippi F, Aquilini D, Tonziello A, Nencioni C, Benvenuti M, Moneta S, Furnari F, Ciufolini MG, Nicoletti L, Bartoloni A. Imported dengue fever in Tuscany, Italy, in the period 2006 to 2012. *J Travel Med.* 2014 Sep- ct;21(5):340-3. doi: 10.1111/jtm.12144. PMID: 25155927; PMCID: PMC4309477

79: Vannucchi V, Tomberli B, Zammarchi L, Fornaro A, Castelli G, Pieralli F, Berni A, Yacoub S, Bartoloni A, Olivotto I. Chagas disease as a cause of heart failure and ventricular arrhythmias in patients long removed from endemic areas: an emerging problem in Europe. *J Cardiovasc Med (Hagerstown).* 2015 Dec;16(12):817-23. doi: 10.2459/JCM.0000000000000045. PMID: 25022923

80: Buonfrate D, Mena MA, Angheben A, Requena-Mendez A, Muñoz J, Gobbi F, Albonico M, Gotuzzo E, Bisoffi Z; COHEMI Project Study Group. Prevalence of strongyloidiasis in Latin America: a systematic review of the literature. *Epidemiol Infect.* 2015 Feb;143(3):452-60. doi:

10.1017/S0950268814001563. Epub 2014 Jul 3. PMID: 24990510

81: Zammarchi L, Bartalesi F, Bartoloni A. Tuberculosis in tropical areas and immigrants. *Mediterr J Hematol Infect Dis*. 2014 Jun 1;6(1):e2014043. doi: 10.4084/MJHID.2014.043. PMID: 24959340; PMCID: PMC4063601

82: Zammarchi L, Giorni A, Gabrielli S, Strohmeyer M, Cancrini G, Bartoloni A. Human oestriasis acquired in Florence and review on human myiasis in Italy. *Parasitol Res*. 2014 Jun;113(6):2379-85. doi: 10.1007/s00436-014-3906-9. Epub 2014 May 7. PMID: 24802867; PMCID: PMC4031384

83: Zammarchi L, Bartoloni A, Munoz J. Chagas disease is a consideration in Latino patients. *Am Fam Physician*. 2013 Nov 1;88(9):566. PMID: 24364628

84: Bruno E, Bartoloni A, Zammarchi L, Strohmeyer M, Bartalesi F, Bustos JA, Santivañez S, García HH, Nicoletti A; COHEMI Project Study Group. Epilepsy and neurocysticercosis in Latin America: a systematic review and meta-analysis. *PLoS Negl Trop Dis*. 2013 Oct 31;7(10):e2480. doi: 10.1371/journal.pntd.0002480. PMID: 24205415; PMCID: PMC3814340

85: Zammarchi L, Strohmeyer M, Bartalesi F, Bruno E, Muñoz J, Buonfrate D, Nicoletti A, García HH, Pozio E, Bartoloni A; COHEMI Project Study Group. Epidemiology and management of cysticercosis and *Taenia solium* taeniasis in Europe, systematic review 1990-2011. *PLoS One*. 2013 Jul 29;8(7):e69537. doi: 10.1371/journal.pone.0069537. Erratum in: *PLoS One*. 2013;8(12). doi:10.1371/annotation/1bcc3e5b-1159-412b-be86-b18d94515cc2. PMID: 23922733; PMCID: PMC3726635

86: Bartoloni A, Zammarchi L. Clinical aspects of uncomplicated and severe malaria. *Mediterr J Hematol Infect Dis*. 2012;4(1):e2012026. doi: 10.4084/MJHID.2012.026. Epub 2012 May 4. PMID: 22708041; PMCID: PMC3375727

87: Bartoloni A, Tomasoni L, Bartalesi F, Galli L, Sani S, Veloci S, Zammarchi L, Pini A, Castelli F. Combined intravenous treatment with artesunate and quinine for severe malaria in Italy. *Am J Trop Med Hyg*. 2010 Aug;83(2):274-6. doi: 10.4269/ajtmh.2010.10-0128. PMID: 20682867; PMCID: PMC2911170