

Lut Lynen  
HIV and Tuberculosis  
**Postal address:**  
Nationalestraat 155  
2000  
Antwerp  
Belgium  
**Postal address:**  
Nationalestraat  
2000  
Antwerpen  
Belgium  
**Email:** LLynen@itg.be  
**Phone:** +32(0)32476476



## Research expertise

Lut Lynen graduated as a medical doctor in 1985 from the Catholic University of Leuven. Between 1986 and 1992 she worked for MSF Belgium in Chad, Sudan and Guinea. In 1997 she became a specialist in Internal Medicine at the University of Antwerp.

She worked for the Institute of Tropical Medicine (ITM) in Cambodia from 1999-2002, and in 2003 she joined the HIV team at the Institute of Tropical Medicine in Antwerp. Her field of interest is HIV and tuberculosis with a focus on resource-limited settings. She has been a member of the WHO guideline development group on Opportunistic Infections and the author of the MSF AIDS care guidelines.

In July 2011 she became the head of the department of Clinical Sciences, and in November 2011 the head of the Unit Infectious Diseases & HIV/AIDS.

The unit has currently 3 PhD students and 2 postdoctoral scientists.

Research

HIV co-infections (tuberculosis, Hepatitis C and visceral leishmaniasis)

Point of Care testing for HIV diagnosis and monitoring of treatment response

Diagnosis and management of MDR-TB

Clinical decision making

Models of care for HIV patients

Teaching

Short Course on Antiretroviral Therapy (2003-2010)

Electronic Short Course on Antiretroviral Therapy (2008-2018)

Short Course on Clinical Research and Evidence Based Medicine (2008-)

AIDS care modules in all courses at ITM (2003-)

Clinical decision making in DR-TB (2017-)

Links

[Lut Lynen on LinkedIn](#)

[Lut Lynen on Twitter](#)

## Qualifications

Medical sciences, PhD, Universiteit Antwerpen

Medical Doctor, Katholieke Universiteit Leuven

## Research outputs

**Antibacterial mouthwash to prevent sexually transmitted infections in men who have sex with men taking HIV pre-exposure prophylaxis (PReGo): a randomised, placebo-controlled, crossover trial**

Van Dijck, C., Tsoumanis, A., Rotsaert, A., Vuylsteke, B., Van den Bossche, D., Paeleman, E., De Baetselier, I., Brosius, I., Laumen, J., Buyze, J., Wouters, K., Lynen, L., Van Esbroeck, M., Herssens, N., Abdellati, S., Declercq, S., Reyniers, T., Van Herreweghe, Y., Florence, E. & Kenyon, C., 2021, In : *Lancet Infectious Diseases*. 21, 5, p. 657-667 11 p.

**Case report: therapeutic threshold for rifampicin-resistant tuberculosis: a case report from Maputo, Mozambique**

Gonzaga, L. D. M., Gils, T., Decroo, T., Jacobs, B. K. M. & Lynen, L., 2021, In : American Journal of Tropical Medicine and Hygiene. 104, 4, p. 1317-1320 4 p.

**Comparison of first-line tuberculosis treatment outcomes between previously treated and new patients: a retrospective study in Machakos subcounty, Kenya**

Ndambuki, J., Nzomo, J., Muregi, L., Mutuku, C., Makokha, F., Nthusi, J., Ambale, C., Lynen, L. & Decroo, T., 2021, In : International Health. 13, 3, p. 272-280 9 p.

**Development of a risk score to guide targeted hepatitis C testing among human immunodeficiency virus patients in Cambodia**

De Weggheleire, A., Buyze, J., An, S., Thai, S., van Griensven, J., Francque, S. & Lynen, L., 2021, In : World Journal of Hepatology. 13, 9, p. 1167-1180 14 p.

**Diagnostic accuracy of the INSHI consensus case definition for the diagnosis of paradoxical tuberculosis-IRIS**

Stek, C., Buyze, J., Menten, J., Schutz, C., Thienemann, F., Blumenthal, L., Maartens, G., Boyles, T., Wilkinson, R. J., Meintjes, G. & Lynen, L., 2021, In : Journal of Acquired Immune Deficiency Syndromes. 86, 5, p. 587-592 6 p.

**Finding the right balance between efficacy and tolerability for TB treatment: the search continues**

Maug, A. K. J., Hossain, M. A., Gumusboga, M., Decroo, T., Mulders, W., Braet, S., Buyze, J., Jiménez, D. A., Schurmans, C., Herssens, N., Demeulenaere, T., Lynen, L., de Jong, B. C. & Van Deun, A., 2021, In : International Journal of Tuberculosis and Lung Disease. 25, 1, p. 84-86 3 p.

**Hepatitis C prevalence and validation of a clinical prediction score for targeted screening among people living with HIV in Ghana**

Torpey, K., Ogyiri, L., Cuylaerts, V., Agyeman, S., Agyei-Nkansah, A., Buyze, J., Commey, J. O., Lynen, L. & De Weggheleire, A., 2021, In : Journal of the International Association of Providers of AIDS Care. 20, 8 p., 23259582211022469.

**High rifampicin-resistant TB cure rates and prevention of severe ototoxicity after replacing the injectable by linezolid in early stage of hearing loss**

Souleymane, M. B., Piubello, A., Lawan, I. M., Hassane-Harouna, S., Assao-Neino, M. M., Soumana, A., Hamidou-Harouna, Z., Gagara-Issoufou, A., Ortuño-Gutiérrez, N., Roggi, A., Schwoebel, V., Mamadou, S., Lynen, L., De Jong, B., Van Deun, A. & Decroo, T., 2021, In : European Respiratory Journal. 57, 1, 2002250.

**Human rights: finding the right balance for rifampicin-resistant TB treatment**

Van Deun, A., Piubello, A., Lynen, L., de Jong, B. C. & Decroo, T., 2021, In : International Journal of Tuberculosis and Lung Disease. 25, 4, p. 327-328 2 p.

**Predictors of virological failure among people living with HIV receiving first line antiretroviral treatment in Myanmar: retrospective cohort analysis**

Mesic, A., Spina, A., Mar, H. T., Thit, P., Decroo, T., Lenglet, A., Thandar, M. P., Thwe, T. T., Kyaw, A. A., Homan, T., Sangma, M., Kremer, R., Grieg, J., Piriou, E., Ritmeijer, K., Van Olmen, J., Lynen, L. & Oo, H. N., 2021, In : AIDS Research and Therapy. 18, 1, 12 p., 16.

**Pretomanid for tuberculosis: a systematic review**

Gils, T., Lynen, L., de Jong, B. C., Van Deun, A. & Decroo, T., 2021, In : Clinical Microbiology and Infection.

**Rifampicin-resistant tuberculosis treatment: way forward without hampering future options?**

Decroo, T., Mesic, A., de Jong, B. C., Rigouts, L., Gils, T., Mallick, J. & Lynen, L., 2021, In : Tropical Medicine and International Health. 26, p. 255-255 1 p.

**Uptake of oral pre-exposure prophylaxis for HIV infection among men who have sex with men and transgender: lessons learned during the SARS-CoV-2 pandemic from the first PrEP project in Myanmar**

Tun, N. N., Gils, T., Lynen, L., Min, M., Aung, M. Y., Smithuis, F., Gustafson, K. & Florence, E., 2021, In : Journal of the International AIDS Society. 24, p. 37-37 1 p.

**Better programmatic outcome with the shorter regimen for the treatment of multidrug-resistant tuberculosis (MDR-TB) in Guinea: a retrospective cohort study**

Hassane-Harouna, S., Cherif, G-F., Ortuno-Gutierrez, N., Cisse, D., Camara, L. M., Diallo, B. D., Camara, S., Bangoura, A. M., Lynen, L. & Decroo, T., 2020, In : PLoS ONE. 15, 8, 9 p., e0237355.

**Challenges to differentiate hepatitis C genotype 1 and 6: results from a field study in Cambodia**

De Weggheleire, A., De Baetselier, I., An, S., Goletti, S., Suin, V., Thai, S., Francque, S., Crucitti, T., Lynen, L., Van Gucht, S. & Kabamba, B. M., 2020, In : Infectious Diseases and Therapy. 9, 3, p. 657-667 11 p.

**Comparison of predictive models for hepatitis C co-infection among HIV patients in Cambodia**

Buyze, J., Weggheleire, A. D., van Griensven, J. & Lynen, L., 2020, In : BMC Infectious Diseases. 20, 1, 7 p., 209.

**Decision-making in the diagnosis of tuberculous meningitis**

Tuberculous Meningitis International Research Consortium, 2020, In : Wellcome Open Research. 5, 14 p., 11.

**District-level strategies to control the HIV epidemic in Zimbabwe: a practical example of precision public health**

Makurumidze, R., Decroo, T., Lynen, L., Chinwadzimba, Z. K., Van Damme, W., Hakim, J. & Rusakaniko, S., 2020, In : BMC Research Notes. 13, 1, p. 393

**False rifampicin resistance in Xpert Ultra applied to lymph node aspirate: a case report**

Ng, K. C. S., Rigouts, L., de Jong, B. C. & Lynen, L., 2020, In : Open Forum Infectious Diseases. 7, 6, 3 p., ofaa204.

**First-line tuberculosis treatment with double-dose rifampicin is well tolerated**

Maug, A. K. J., Hossain, M. A., Gumusboga, M., Decroo, T., Mulders, W., Braet, S., Buyze, J., Arango, D., Schurmans, C., Herssens, N., Demeulenaere, T., Lynen, L., de Jong, B. C. & Van Deun, A., 2020, In : International Journal of Tuberculosis and Lung Disease. 24, 5, p. 499-505 7 p.

**High-dose first-line treatment regimen for recurrent rifampicin-susceptible tuberculosis**

Decroo, T., de Jong, B. C., Piubello, A., Souleymane, M. B., Lynen, L. & Van Deun, A., 2020, In : American Journal of Respiratory and Critical Care Medicine. 201, 12, p. 1578-1579 2 p.

**Patient-mix, programmatic characteristics, retention and predictors of attrition among patients starting antiretroviral therapy (ART) before and after the implementation of HIV "Treat All" in Zimbabwe**

Makurumidze, R., Buyze, J., Decroo, T., Lynen, L., de Rooij, M., Mataranyika, T., Sithole, N., Takarinda, K. C., Apollo, T., Hakim, J., Van Damme, W. & Rusakaniko, S., 2020, In : PLoS ONE. 15, 10, 17 p., e0240865.

**Retention and predictors of attrition among patients who started antiretroviral therapy in Zimbabwe's national antiretroviral therapy programme between 2012 and 2015**

Makurumidze, R., Mutasa-Apollo, T., Decroo, T., Choto, R. C., Takarinda, K. C., Dzangare, J., Lynen, L., Van Damme, W., Hakim, J., Magure, T., Mugurungi, O. & Rusakaniko, S., 2020, In : PLoS ONE. 15, 1, 17 p., e0222309.

**Temporary disengagement and re-engagement in human immunodeficiency virus care in a rural county serving pastoralist communities in Kenya: a retrospective cohort study**

Yonga, P., Kalya, S., Lynen, L. & Decroo, T., 2020, In : International Health. 12, 2, p. 95-100 6 p.

**The effect of HIV-associated tuberculosis, tuberculosis-IRIS, and prednisone on lung function**

Stek, C., Allwood, B., Du Bruyn, E., Buyze, J., Schutz, C., Thienemann, F., Lombard, A., Wilkinson, R. J., Meintjes, G. & Lynen, L., 2020, In : European Respiratory Journal. 55, 3, 10 p., 1901692.

**The perceived impact of isoniazid resistance on outcome of first-line rifampicin-throughout regimens is largely due to missed rifampicin resistance**

Van Deun, A., Decroo, T., Kya Jai Maug, A., Hossain, M. A., Gumusboga, M., Mulders, W., Ortuño-Gutiérrez, N., Lynen, L., de Jong, B. C. & Rieder, H. L., 2020, In : PLoS ONE. 15, 5, 18 p., e0233500.

**Translating drug resistant tuberculosis treatment guidelines to reality in war-torn Kandahar, Afghanistan: a retrospective cohort study**

Mesic, A., Khan, W. H., Lenglet, A., Lynen, L., Ishaq, S., Phyu, E. H. H., Mar, H. T., Oraegbu, A., Seddiq, M. K., Amirzada, H. K., Fernhout, J., Kamau, C., Ariti, C., Gomez, D. & Decroo, T., 2020, In : PLoS ONE. 15, 8, 17 p., e0237787.

**Tuberculosis treatment: one-shot approach or cascade of regimens: ?**

Decroo, T., de Jong, B. C., Piubello, A., Lynen, L. & Van Deun, A., 2020, In : Lancet Respiratory Medicine. 8, 2, p. e4-e5

**Time of administration of rabies immunoglobulins and adequacy of antibody response upon post-exposure prophylaxis: a descriptive retrospective study in Belgium**

Soentjens, P., Croughs, M., Burm, C., Declercq, S., Clerinx, J., Maniewski, U., Van Den Broucke, S., Theunissen, C., Huits, R., Brosius, I., Florence, E., Kenyon, C., Van Griensven, J., Van Ierssel, S., Lynen, L., Balliauw, K., Van Gucht, S., Van Esbroeck, M., Vlieghe, E., Bottieau, E. & 1 others, Van Herrewege, Y., 4-Sep-2019, In : Acta Clinica Belgica. p. 1-7 7 p.

**Effect of reliance on Xpert MTB/RIF on time to treatment and multidrug-resistant tuberculosis treatment outcomes in Tanzania: a retrospective cohort study**

Mollel, E., Lekule, I., Lynen, L. & Decroo, T., 2019, In : International Health. 11, 6, p. 520-527 8 p.

**Performance of algorithms for tuberculosis active case finding in underserved high-prevalence settings in Cambodia: a cross-sectional study**

Choun, K., Decroo, T., Mao, T. E., Lorent, N., Gerstel, L., Creswell, J., Codlin, A. J., Lynen, L. & Thai, S., 2019, In : Global Health Action. 12, 1, 8 p., 1646024.

**Treatment interruptions and reengagement on HIV care in a rural county serving pastoralist communities in Kenya: a retrospective cohort study**

Yonga, P. O., Kalya, S. K., Lynen, L. & Decroo, T., 2019, In : Transactions of the Royal Society of Tropical Medicine and Hygiene. 113, p. S201-S202 2 p.

**Comment on: Effects of isoniazid resistance on TB treatment outcomes under programmatic conditions in a high-TB and -HIV setting: a prospective multicentre study**

Decroo, T., Van Deun, A. & Lynen, L., 2018, In : Journal of Antimicrobial Chemotherapy. 73, 6, p. 1733-1734 2 p.

**Development of a clinical prediction score for targeted hepatitis C screening in a low-risk HIV cohort in Cambodia**

De Wegghelire, A., Buyze, J., An, S., Thai, S., van Griensven, J., Francque, S. & Lynen, L., 2018, In : Journal of Hepatology. 68, p. S177-S178 2 p.

**Prednisone for the prevention of paradoxical tuberculosis-associated IRIS**

PredART Trial Team, 2018, In : New England Journal of Medicine. 379, 20, p. 1915-1925 11 p.

**Principles for constructing a tuberculosis treatment regimen: the role and definition of core and companion drugs**

Van Deun, A., Decroo, T., Piubello, A., de Jong, B. C., Lynen, L. & Rieder, H. L., 2018, In : International Journal of Tuberculosis and Lung Disease. 22, 3, p. 239-245 8 p.

**The immune mechanisms of lung parenchymal damage in tuberculosis and the role of host-directed therapy**

Stek, C., Allwood, B., Walker, N. F., Wilkinson, R. J., Lynen, L. & Meintjes, G., 2018, In : Frontiers in Microbiology. 9, 16 p., 2603.

**What is the role of paired rapid plasma reagin testing (simultaneous testing of acute and convalescent samples) in the diagnosis of repeat syphilis and the follow-up of syphilis?**

Kenyon, C., Osbak, K., Lynen, L., Van Esbroeck, M. & Crucitti, T., 2018, In : Sexually Transmitted Diseases. 45, 1, p. 35-38 4 p.

**A cross-sectional study of hepatitis C among people living with HIV in Cambodia: prevalence, risk factors, and potential for targeted screening**

De Weggheleire, A., An, S., De Baetselier, I., Soeung, P., Keath, H., So, V., Ros, S., Teav, S., Smekens, B., Buyze, J., Florence, E., van Griensven, J., Thai, S., Francque, S. & Lynen, L., 2017, In : PLoS ONE. 12, 8, 15 p., e0183530.

**CD4 results with a bias larger than hundred cells per microliter can have a significant impact on the clinical decision during treatment initiation of HIV patients**

Daneau, G., Buyze, J., Wade, D., Diaw, P. A., Dieye, T. N., Thai, S., Florence, E., Lynen, L. & Kestens, L., 2017, In : Cytometry Part B Clinical Cytometry. 92, 6, p. 476-484 9 p.

**Development and external validation of a clinical prognostic score for death in visceral leishmaniasis patients in a high HIV co-infection burden area in Ethiopia**

Abongomera, C., Ritmeijer, K., Vogt, F., Buyze, J., Mekonnen, Z., Admassu, H., Colebunders, R., Mohammed, R., Lynen, L., Diro, E. & van Griensven, J., 2017, In : PLoS ONE. 12, 6, 17 p., e0178996.

**Diagnosis of visceral leishmaniasis using peripheral blood microscopy in Ethiopia: a prospective phase-III study of the diagnostic performance of different concentration techniques compared to tissue aspiration**

Diro, E., Yansouni, C., Takele, Y., Mengesha, B., Lynen, L., Hailu, A., van Griensven, J., Boelaert, M. & Büscher, P., 2017, In : American Journal of Tropical Medicine and Hygiene. 96, 1, p. 190-196 7 p.

**Performance of the Antiretroviral Treatment Program in Ethiopia, 2005-2015: strengths and weaknesses toward ending AIDS**

Assefa, Y., Gilks, C. F., Lynen, L., Williams, O., Hill, P. S., Tolera, T., Malvia, A. & Van Damme, W., 2017, In : International Journal of Infectious Diseases. 60, p. 70-76 7 p.

**Rational use of Xpert testing in patients with presumptive TB: clinicians should be encouraged to use the test-treat threshold**

Decroo, T., Henríquez-Trujillo, A. R., De Weggheleire, A. & Lynen, L., 2017, In : BMC Infectious Diseases. 17, 6 p., 674.

**Ten year experience with antiretroviral treatment in Cambodia: trends in patient characteristics and treatment outcomes**

Lay, P., An, S., Soeung, S., Srey, P. S., Thai, S., Lynen, L. & Griensven, J. V., 2017, In : PLoS ONE. 12, 11, p. e0185348 16 p.

**Unexpected infection with *Armillifer* parasites**

Potters, I., Desai, C., Van Den Broucke, S., Van Esbroeck, M. & Lynen, L., 2017, In : Emerging Infectious Diseases. 23, 12, p. 2116-2118 3 p.

**Design and analysis considerations in the Ebola\_Tx trial evaluating convalescent plasma in the treatment of Ebola virus disease in Guinea during the 2014-2015 outbreak**

Edwards, T., Semple, M. G., De Weggheleire, A., Claeys, Y., De Crop, M., Menten, J., Ravinetto, R., Temmerman, S., Lynen, L., Bah, E. I., Smith, P. G., van Griensven, J. & Ebola\_Tx Consortium, 2016, In : Clinical Trials. 13, 1, p. 13-21 9 p.

**Electrolyte and metabolic disturbances in Ebola patients during a clinical trial, Guinea, 2015**

van Griensven, J., Bah, E. I., Haba, N., Delamou, A., Camara, B. S., Olivier, K. J.-J., De Clerck, H., Nordenstedt, H., Semple, M. G., Van Herp, M., Buyze, J., De Crop, M., Van Den Broucke, S., Lynen, L., De Weggheleire, A. & Ebola-Tx Consortium, 2016, In : Emerging Infectious Diseases. 22, 12, p. 2120-2127 8 p.

**Evaluation of convalescent plasma for Ebola virus disease in Guinea**

van Griensven, J., Edwards, T., de Lamballerie, X., Semple, M. G., Gallian, P., Baize, S., Horby, P. W., Raoul, H., Magassouba, N. F., Antierens, A., Lomas, C., Faye, O., Sall, A. A., Fransen, K., Buyze, J., Ravinetto, R., Tiberghien, P., Claeys, Y., De Crop, M., Lynen, L. & 6 others, Bah, E. I., Smith, P. G., Delamou, A., De Weggheleire, A., Haba, N. & Ebola-Tx Consortium, 2016, In : New England Journal of Medicine. 374, 1, p. 33-42 10 p.

**Factors associated with prevalent tuberculosis among patients receiving highly active antiretroviral therapy in a Nigerian tertiary hospital**

Iroezindu, M. O., Ofondu, E. O., Mbata, G. C., van Wyk, B., Hausler, H. P., Dh, A., Lynen, L. & Hopewell, P. C., 2016, In : Annals of Medical and Health Sciences Research. 6, 2, p. 120-128 9 p.

**Organizing the donation of convalescent plasma for a therapeutic clinical trial on Ebola virus disease: The experience in Guinea**

Delamou, A., Haba, N. Y., Mari Saez, A., Galliant, P., Ronse, M., Jacobs, J., Camara, B. S., Kadio, K. J.-J. O., Guemou, A., Kolie, J. P., De Crop, M., Chavarin, P., Jacquot, C., Lazaygues, C., Weggheleire, A. D., Lynen, L., van Griensven, J. & Ebola-Tx Consortium, 2016, In : American Journal of Tropical Medicine and Hygiene. 95, 3, p. 647-653 7 p.

**Predictable threats to public health through delaying universal access to innovative medicines for Hepatitis C: a pharmaceutical standpoint**

Ravinetto, R., Weggheleire, A. D., Dorlo, T. P. C., Francque, S., Sokkab, A., Pouget, C., Meessen, B., Tabernerero, P., Newton, P. N. & Lynen, L., 2016, In : Tropical Medicine and International Health. 21, 12, p. 1490-1495 12 p.

**Preventing paradoxical tuberculosis-associated immune reconstitution inflammatory syndrome in high-risk patients: protocol of a randomized placebo-controlled trial of prednisone (predART trial)**

Stek, C., Schutz, C., Blumenthal, L., Thienemann, F., Buyze, J., Nöstlinger, C., Ravinetto, R., Wouters, E., Colebunders, R., Maartens, G., Wilkinson, R. J., Lynen, L. & Meintjes, G., 2016, In : JMIR Research Protocols. 5, 3, 13 p., e173.

**The use of Ebola convalescent plasma to treat Ebola virus disease in resource-constrained settings: a perspective from the field**

van Griensven, J., De Weggheleire, A., Delamou, A., Smith, P. G., Edwards, T., Vandekerckhove, P., Bah, E. I., Colebunders, R., Herve, I., Lazaygues, C., Haba, N. & Lynen, L., 2016, In : Clinical Infectious Diseases. 62, 1, p. 69-74 6 p.

**Advanced HIV disease at enrolment in HIV care: trends and associated factors over a ten year period in Cambodia**

Pe, R., Chim, B., Thai, S., Lynen, L. & van Griensven, J., 2015, In : PLoS ONE. 10, 11, p. e0143320 11 p.

**Atypical manifestations of visceral leishmaniasis in patients with HIV in north Ethiopia: a gap in guidelines for the management of opportunistic infections in resource poor settings**

Diro, E., van Griensven, J., Mohammed, R., Colebunders, R., Asefa, M., Hailu, A. & Lynen, L., 2015, In : Lancet Infectious Diseases. 15, 1, p. 122-129 8 p.

**Challenges from tuberculosis diagnosis to care in community-based active case finding among the urban poor in Cambodia: a mixed-methods study**

Lorent, N., Choun, K., Malhotra, S., Koeut, P., Thai, S., Khun, K. E., Colebunders, R. & Lynen, L., 2015, In : PLoS ONE. 10, 7, p. e0130179 15 p.

**Clinical aspects of paediatric visceral leishmaniasis in north-west Ethiopia**

Diro, E., Lynen, L., Gebregziabiher, B., Assefa, A., Lakew, W., Belew, Z., Hailu, A., Boelaert, M. & van Griensven, J., 2015, In : Tropical Medicine and International Health. 20, 1, p. 8-16 9 p.

**Impact of the use of a rapid diagnostic test for visceral leishmaniasis on clinical practice in Ethiopia: a retrospective study**

Diro, E., Lynen, L., Assefa, M., Takele, Y., Mengesha, B., Adem, E., Mohammed, R., Kimutai, R., Hailu, A., Boelaert, M. & van Griensven, J., 2015, In : PLoS Neglected Tropical Diseases. 9, 5, p. e0003738

**Implementation of isoniazid preventive therapy in an HIV clinic in Cambodia: high rates of discontinuation when combined with antiretroviral therapy**

van Griensven, J., Choun, K., Chim, B., Thai, S., Lorent, N. & Lynen, L., 2015, In : Tropical Medicine and International Health. 20, 12, p. 1823-1831 7 p.

**Is frontloaded sputum microscopy an option in active tuberculosis case finding?**

Lorent, N., Buyze, J., Kim, T., Kong, C., Van Deun, A., Colebunders, R., Thai, S., Lynen, L. & Rigouts, L., 2015, In : International Journal of Tuberculosis and Lung Disease. 19, 1, p. 91-96 6 p.

**Long-term outcomes and their determinants in patients on antiretroviral treatment in Ethiopia, 2005/6-2011/12: a retrospective cohort study**

Assefa, Y., Lynen, L., Kloos, H., Hill, P., Rasschaert, F., Hailemariam, D., Neilsen, G. & Van Damme, W., 2015, In : Journal of Acquired Immune Deficiency Syndromes. 70, 4, p. 414-419 6 p.

**Systematic screening for drug-resistant tuberculosis with Xpert® MTB/RIF in a referral hospital in Cambodia**

Lorent, N., Kong, C., Kim, T., Sam, S., Thai, S., Colebunders, R., Rigouts, L. & Lynen, L., 2015, In : International Journal of Tuberculosis and Lung Disease. 19, 12, p. 1528-1535 11 p.

**Use of pentamidine as secondary prophylaxis to prevent visceral leishmaniasis relapse in HIV infected patients, the first twelve months of a prospective cohort study**

Diro Ejara, E., Ritmeijer, K., Boelaert, M., Alves, F., Mohammed, R., Abongomera, C., Ravinetto, R., De Crop, M., Fikre, H., Adera, C., Colebunders, R., van Loen, H., Menten, J., Lynen, L., Hailu, A. & van Griensven, J., 2015, In : PLoS Neglected Tropical Diseases. 9, 10, p. e0004087 15 p.

**A clinical prediction score for targeted creatinine testing before initiating tenofovir-based antiretroviral treatment in Cambodia [letter]**

van Griensven, J., Phirum, L., Thai, S., Buyze, J. & Lynen, L., 2014, In : Journal of Acquired Immune Deficiency Syndromes. 65, 4, p. e150-e152

**A screen-and-treat strategy targeting visceral leishmaniasis in HIV-infected individuals in endemic East African countries: the way forward?**

van Griensven, J., Diro, E., Lopez-Velez, R., Ritmeijer, K., Boelaert, M., Zijlstra, E. E., Hailu, A. & Lynen, L., 2014, In : PLoS Neglected Tropical Diseases. 8, 8, p. e3011

**Active tuberculosis screening of close contacts among the urban poor: a Cambodian experience [letter]**

Lorent, N., Choun, K., Thai, S., Rigouts, L. & Lynen, L., 2014, In : International Journal of Tuberculosis and Lung Disease. 18, 10, p. 1259-1260 2 p.

**Bacterial sepsis in patients with visceral leishmaniasis in Northwest Ethiopia**

Endris, M., Takele, Y., Woldeyohannes, D., Tiruneh, M., Mohammed, R., Moges, F., Lynen, L., Jacobs, J., van Griensven, J. & Diro, E., 2014, In : BioMed Research International. 2014, p. 361058

**Community-based active tuberculosis case finding in poor urban settlements of Phnom Penh, Cambodia: a feasible and effective strategy**

Lorent, N., Choun, K., Thai, S., Kim, T., Huy, S., Pe, R., van Griensven, J., Buyze, J., Colebunders, R., Rigouts, L. & Lynen, L., 2014, In : PLoS ONE. 9, 3, p. e92754

**Hepatitis B and C co-infection among HIV-infected adults while on antiretroviral treatment: long-term survival, CD4 cell count recovery and antiretroviral toxicity in Cambodia**

van Griensven, J., Phirum, L., Choun, K., Thai, S., De Weggheleire, A. & Lynen, L., 2014, In : PLoS ONE. 9, 2, p. e88552

**High parasitological failure rate of visceral leishmaniasis to sodium stibogluconate among HIV co-infected adults in Ethiopia**

Diro, E., Lynen, L., Mohammed, R., Boelaert, M., Hailu, A. & van Griensven, J., 2014, In : PLoS Neglected Tropical Diseases. 8, 5, p. e2875

**How to improve patient retention in an antiretroviral treatment program in Ethiopia: a mixed-methods study**

Assefa, Y., Lynen, L., Wouters, E., Rasschaert, F., Peeters, K. & Van Damme, W., 2014, In : BMC Health Services Research. 14, p. 45

**Leishmaniasis in immunosuppressed individuals**

van Griensven, J., Carrillo, E., López-Vélez, R., Lynen, L. & Moreno, J., 2014, In : Clinical Microbiology and Infection. 20, 4, p. 286-299 14 p.

**Scaling up antiretroviral treatment and improving patient retention in care: lessons from Ethiopia, 2005-2013**

Assefa, Y., Alebachew, A., Lera, M., Lynen, L., Wouters, E. & Van Damme, W., 2014, In : Globalization and Health. 10, p. 43

**Simplified clinical prediction scores to target viral load testing in adults with suspected first line treatment failure in Phnom Penh, Cambodia**

van Griensven, J., Phan, V., Thai, S., Koole, O. & Lynen, L., 2014, In : PLoS ONE. 9, 2, p. e87879

**Syphilis reinfections pose problems for syphilis diagnosis in Antwerp, Belgium - 1992 to 2012**

Kenyon, C., Lynen, L., Florence, E., Caluwaerts, S., Vandebraene, M., Apers, L., Soentjens, P., Van Esbroeck, M. & Bottieau, E., 2014, In : Eurosurveillance. 19, 45, p. pii=20958

**Visceral leishmaniasis and HIV coinfection in East Africa**

Diro, E., Lynen, L., Ritmeijer, K., Boelaert, M., Hailu, A. & van Griensven, J., 2014, In : PLoS Neglected Tropical Diseases. 8, 6, p. e2869

**Visceral leishmaniasis as an AIDS defining condition: towards consistency across WHO guidelines**

van Griensven, J., Ritmeijer, K., Lynen, L. & Diro, E., 2014, In : PLoS Neglected Tropical Diseases. 8, 7, p. e2916

**Bloodstream infection among adults in Phnom Penh, Cambodia: key pathogens and resistance patterns**

Vlieghe, E. R., Phe, T., De Smet, B., Veng, C. H., Kham, C., Lim, K., Koole, O., Lynen, L., Peetermans, W. E. & Jacobs, J. A., 2013, In : PLoS ONE. 8, 3, p. e59775

**Evidence based medicine in HIV/AIDS and reproductive health research: piloting two distance learning courses in low-resource settings**

Zolfo, M., Ingelbeen, B., Aryeetey, R., Cuzin-Kihl, A. K., Kiyani, C., Khanna, J., Maojo, V. & Lynen, L., 2013, *Med@Tel, electronic proceedings of the international ehealth, telemedicine and health ICT forum for educational, networking and business, Luxembourg, 10-12 April 2013*. Jordanova, M. & Lievens, F. (eds.). Luxembourg: International Society for Telemedicine and eHealth (ISfTeH), p. 669-672 4 p.

**Evidence based medicine in HIV/AIDS and reproductive health research: piloting two distance learning courses in low-resource settings**

Zolfo, M., Ingelbeen, B., Aryeetey, R., Cuzin-Kihl, A. K., Kiyani, C., Khanna, J., Maojo, V., Lynen, L. & Group, A. B. WP., 2013, In : Global Telemedicine and eHealth Updates: Knowledge Resources. 6, p. 669-672 4 p.

**HIV-1 protease inhibitors for treatment of visceral leishmaniasis in HIV-co-infected individuals**

van Griensven, J., Diro, E., Lopez-Velez, R., Boelaert, M., Lynen, L., Zijlstra, E., Dujardin, J. C. & Hailu, A., 2013, In : Lancet Infectious Diseases. 13, 3, p. 251-259 9 p.

**Incidence and risk factors for tuberculosis in HIV-infected patients while on antiretroviral treatment in Cambodia**

Choun, K., Thai, S., Pe, R., Lorent, N., Lynen, L. & van Griensven, J., 2013, In : Transactions of the Royal Society of Tropical Medicine and Hygiene. 107, 4, p. 235-242 8 p.

**Integrated cryptococcal antigen screening and pre-emptive treatment prior to initiation of antiretroviral treatment in Cambodia**

Chim, B., Piseth, S. S., Heng, V. C., Sopheak, T., Lynen, L. & van Griensven, J., 2013, In : Aids and Clinical Research. 4, 7, p. 1-6 6 p.

**Nucleoside reverse transcriptase inhibitor resistance mutations associated with first-line Stavudine-containing antiretroviral therapy: programmatic implications for countries phasing out stavudine**

Tang, M. W., Rhee, S. Y., Bertagnolio, S., Ford, N., Holmes, S., Sigaloff, K. C., Hamers, R. L., Rinke de Wit, T. F., Fleury, H. J., Kanki, P. J., Ruxrungtham, K., Hawkins, C. A., Wallis, C. L., Stevens, W., van Zyl, G. U., Manosuthi, W., Hosseinipour, M. C., Ngo-Giang-Huong, N., Belec, L., Peeters, M. & 30 others, Aghokeng, A., Bunupuradah, T., Burdiah, S., Cane, P., Cappelli, G., Charpentier, C., Dagnra, A. Y., Deshpande, A. K., El-Katib, Z., Eshleman, S. H., Fokam, J., Gody, J. C., Katzenstein, D., Koyalta, D. D., Kumwenda, J. J., Lallemand, M., Lynen, L., Marconi, V. C., Margot, N. A., Moussa, S., Ndung'u, T., Nyambi, P. N., Orrell, C., Schapiro, J. M., Schuurman, R., Sirivichayakul, S., Smith, D., Zolfo, M., Jordan, M. R. & Shafer, R. W., 2013, In : Journal of Infectious Diseases. 207, S2, p. S70-S77



### **Rapid diagnostic tests for neurological infections in central Africa**

Yansouni, C. P., Bottieau, E., Lutumba, P., Winkler, A. S., Lynen, L., Büscher, P., Jacobs, J., Gillet, P., Lejon, V., Alirol, E., Polman, K., Utzinger, J., Miles, M. A., Peeling, R. W., Muyembe, J. J., Chappuis, F. & Boelaert, M., 2013, In : *Lancet Infectious Diseases*. 13, 6, p. 546-558 13 p.

### **Risk factors of treatment-limiting anemia after substitution of zidovudine for stavudine in HIV-infected adult patients on antiretroviral treatment**

Phe, T., Thai, S., Veng, C., Sok, S., Lynen, L. & van Griensven, J., 2013, In : *PLoS ONE*. 8, 3, p. e60206

### **Timing of antiretroviral therapy in Cambodian hospital after diagnosis of tuberculosis: impact of revised WHO guidelines**

Choun, K., Pe, R., Thai, S., Lorent, N., Lynen, L. & van Griensven, J., 2013, In : *Bulletin of the World Health Organization*. 91, 3, p. 195-206 12 p.

### **Validation of a clinical prediction score to target viral load testing in adults with suspected first line treatment failure in resource-constrained settings**

Phan, V., Thai, S., Koole, O., Menten, J., Meheus, F., van Griensven, J. & Lynen, L., 2013, In : *Journal of Acquired Immune Deficiency Syndromes*. 62, 5, p. 509-516 8 p.

### ***Staphylococcus aureus* blood stream infections in Cambodian adults**

Vlieghe, E., Phe, T., Hallin, M., Denis, O., Deplano, A., De Smet, B., Veng, C., Kham, C., Lynen, L., Peetermans, W. & Jacobs, J., 2012, In : *International Journal of Infectious Diseases*. p. E437-E437

### **A clinical prediction score in addition to WHO criteria for anti-retroviral treatment failure in resource-limited settings - experience from Lesotho**

Labhardt, N. D., Lejone, T., Setoko, M., Poka, M., Ehmer, J., Pfeiffer, K., Kiuvu, P. Z. & Lynen, L., 2012, In : *PLoS ONE*. 7, 10, p. e47937

### **Adoption of new HIV treatment guidelines and drug substitutions within first-line as a measure of quality of care in rural Lesotho: health centers and hospitals compared**

Labhardt, N. D., Sello, M., Lejone, T., Ehmer, J., Mokhantso, M., Lynen, L. & Pfeiffer, K., 2012, In : *Tropical Medicine and International Health*. 17, 10, p. 1245-1254 10 p.

### **Antiretroviral treatment in low-resource settings: what has changed in the last 10 years and what needs to change in the coming years?**

Mehta, M., Semitala, F., Lynen, L. & Colebunders, R., 2012, In : *Expert Review of Anti-infective Therapy*. 10, 11, p. 1287-1296 10 p.

### **Azithromycin and ciprofloxacin resistance in *Salmonella* bloodstream infections in Cambodian adults**

Vlieghe, E. R., Phe, T., De Smet, B., Veng, C. H., Kham, C., Bertrand, S., Vanhoof, R., Lynen, L., Peetermans, W. E. & Jacobs, J. A., 2012, In : *PLoS Neglected Tropical Diseases*. 6, 12, p. e1933

### **Incidence of treatment-limiting toxicity with Stavudine-based antiretroviral therapy in Cambodia: a retrospective cohort study**

Phan, V., Thai, S., Choun, K., Lynen, L. & van Griensven, J., 2012, In : *PLoS ONE*. 7, 1, p. e30647

### **Is increasing complexity of algorithms the price for higher accuracy? Virtual comparison of three algorithms for tertiary level management of chronic cough in people living with HIV in a low-income country**

Mukabatsinda, C., Nguyen, J., Bisig, B., Lynen, L., Coppens, YD., Asiimwe, A. & Van den Ende, J., 2012, In : *BMC Medical Informatics and Decision Making*. 12, p. 2 10 p.

### **Moodle report: the cornerstone between teaching activities and students' performance: Med@Tel, electronic proceedings of the international ehealth, telemedicine and health ICT forum for educational, networking and business, Luxembourg, 18-20 April 2012**

Kiyam Tsunami, C., Zolfo, M., Mehta, M., Rasschaert, F. & Lynen, L., 2012, *Med@Tel, electronic proceedings of the international ehealth, telemedicine and health ICT forum for educational, networking and business, Luxembourg, 18-20 April 2012*. Jordanova, M. & Lievens, F. (eds.). Luxembourg: International Society for Telemedicine and eHealth (ISfTeH), 3 p.

**Nontuberculous mycobacterial disease in patients with HIV in Southeast Asia**

McCarthy, K. D., Cain, K. P., Winthrop, K. L., Udomsantisuk, N., Lan, N. T. N., Sar, B., Kimerling, M., Kanara, N., Lynen, L., Monkongdee, P., Tasaneeyapan, T. & Varma, J. K., 2012, In : American Journal of Respiratory and Critical Care Medicine. 185, 9, p. 981-8 8 p.

**Pretreatment HIV-1 drug resistance testing in sub-Saharan Africa [letter]**

Lynen, L., Fransen, K., van Griensven, J. & Colebunders, R., 2012, In : Lancet Infectious Diseases. 12, 12, p. 911 1 p.

**Short and long term retention in antiretroviral care in health facilities in rural Malawi and Zimbabwe**

Rasschaert, F., Koole, O., Zachariah, R., Lynen, L., Manzi, M. & Van Damme, W., 2012, In : BMC Health Services Research. 12, p. 444 12 p.

**A telemedicine service for HIV/AIDS physicians working in developing countries**

Zolfo, M., Bateganya, M.H., Adetifa, I.M., Colebunders, R. & Lynen, L., 2011, In : Journal of Telemedicine and Telecare. 17, 2, p. 65-70 6 p.

**Challenges in developing national HIV guidelines: experience from the eastern Mediterranean**

De Weggheleire, A., Bortolotti, V., Zolfo, M., Crowley, S., Colebunders, R., Riedner, G. & Lynen, L., 2011, In : Bulletin of the World Health Organization. 89, 6, p. 442-450 9 p.

**Determination of kidney function before tenofovir initiation: four-fold difference in need of tenofovir dose reduction depending on method used [letter]**

van Griensven, J., Sopheak, T., Koole, O., Verpooten, G.A. & Lynen, L., 2011, In : Journal of Acquired Immune Deficiency Syndromes. 57, 2, p. e21-e23 3 p.

**Development and validation of systems for rational use of viral load testing in adults receiving first-line ART in sub-Saharan Africa**

Abouyannis, M., Menten, J., Kiragga, A., Lynen, L., Robertson, G., Castelnovo, B., Manabe, Y.C., Reynolds, S.J. & Roberts, L., 2011, In : AIDS. 25, 13, p. 1627-1635

**Evaluation of the 2007 WHO guideline to improve the diagnosis of tuberculosis in ambulatory HIV-positive adults**

Koole, O., Thai, S., Khun, K.E., Pe, R., van Griensven, J., Apers, L., Van den Ende, J., Mao, T.E. & Lynen, L., 2011, In : PLoS ONE. 6, 4, p. e18502 10 p.

**Genotypic impact of prolonged detectable HIV-1 RNA viral load after HAART failure in a CRF01\_AE infected cohort**

Zolfo, M., Schapiro, J.M., Phan, V., Koole, O., Thai, S., Vekemans, M., Fransen, K. & Lynen, L., 2011, In : AIDS Research and Human Retroviruses. 27, 7, p. 727-735 9 p.

**Melioidosis, Phnom Penh, Cambodia**

Vlieghe, E., Kruy, L., De Smet, B., Kham, C., Veng, C.H., Phe, T., Koole, O., Thai, S., Lynen, L. & Jacobs, J., 2011, In : Emerging Infectious Diseases. 17, 7, p. 1289-1292 4 p.

**Prevention of mother-to-child transmission of HIV and the health-related Millennium Development Goals: time for a public health approach [viewpoint]**

Schouten, E.J., Jahn, A., Midiani, D., Makombe, S.D., Mnthambala, A., Chirwa, Z., Harries, A.D., van Oosterhout, J.J., Meguid, T., Ben-Smith, A., Zachariah, R., Lynen, L., Zolfo, M., Van Damme, W., Gilks, C.F., Atun, R., Shawa, M. & Chimbandira, F., 2011, In : Lancet. 378, 9787, p. 282-284 3 p.

**Surrogate markers of antiretroviral efficacy**

Elliott, J.H., van Griensven, J., McMahon, J. & Lynen, L., 2011, *Sexually transmitted infections; 2nd ed.* Gupta, S. & Kumar, B. (eds.). New Delhi: Elsevier, p. 826-830 5 p.

**Telemedicine in HIV/AIDS care: a users' satisfaction survey**

Zolfo, M., Lorent, N., Bateganya, M., Kiyan, C., Lequarré, F., Koole, O. & Lynen, L., 2011, *Med@Tel, the international educational and networking forum for ehealth, telemedicine and health ICT, Luxembourg, 14-16 April 2010.* Jordanova, M.

& Lievens, F. (eds.). Luxembourg: International Society for Telemedicine and eHealth (ISfTeH), p. 325-328 4 p. (Global Telemedicine and eHealth Updates: Knowledge Resources; 3).

**Attrition of HIV-infected individuals not yet eligible for antiretroviral treatment: do we care? [letter]**

van Griensven, J., Sopheak, T., Aseffa, Y., Van Damme, W. & Lynen, L., 2010, In : Transactions of the Royal Society of Tropical Medicine and Hygiene. 104, 10, p. 690-693 4 p.

**Challenges in HIV and visceral *Leishmania* co-infection: future research directions [letter]**

Ejara, ED., Lynen, L., Boelaert, M. & van Griensven, J., 2010, In : Tropical Medicine and International Health. 15, 10, p. 1266-1267 2 p.

**Challenges in the diagnosis of meningitis in low-resource settings [letter]**

Yansouni, CP., Lynen, L. & Colebunders, R., 2010, In : Tropical Medicine and International Health. 15, 12, p. 1556-1557 2 p.

**Combination therapy for visceral leishmaniasis**

van Griensven, J., Balasegaram, M., Meheus, F., Alvar, J., Lynen, L. & Boelaert, M., 2010, In : Lancet Infectious Diseases. 10, 3, p. 184-194 11 p.

**Decrease of vitamin D concentration in patients with HIV infection on a Non Nucleoside Reverse Transcriptase Inhibitor containing regimen**

Conesa-Botella, A., Florence, E., Lynen, L., Colebunders, R., Menten, J. & Moreno-Reyes, R., 2010, In : AIDS Research and Therapy. 7, 40, p. 1-6 6 p.

**Mobile learning for HIV/AIDS healthcare worker training in resource-limited settings**

Zolfo, M., Iglesias, D., Kiyan, C., Echevarria, J., Fucay, L., Llacsahuanga, E., de Waard, I., Suarez, V., Llaque, WL. & Lynen, L., 2010, In : AIDS Research and Therapy. 7, 35, p. 1-6 6 p.

**Monitoring for treatment failure in patients on first-line antiretroviral treatment in resource-constrained settings**

Lynen, L., van Griensven, J. & Elliott, J., 2010, In : Current Opinion in HIV and AIDS. 5, 1, p. 1-5 5 p.

**Performance of abdominal ultrasound for diagnosis of tuberculosis in HIV-infected persons living in Cambodia**

Sculier, D., Vannarith, C., Pe, R., Thai, S., Kanara, N., Borann, S., Cain, KP., Lynen, L. & Varma, JK., 2010, In : Journal of Acquired Immune Deficiency Syndromes. 55, 4, p. 500-502 3 p.

**Prevalence of chronic renal failure stage 3 or more in HIV-infected patients in Antwerp: an observational study**

Colson, AW., Florence, E., Augustijn, H., Verpooten, GA., Lynen, L. & Gheuens, E., 2010, In : Acta Clinica Belgica. 65, 6, p. 392-398 7 p.

**Time for 'test and treat' in prevention of mother-to-child transmission programs in low- and middle-income countries**

Zolfo, M., De Weggheleire, A., Schouten, E. & Lynen, L., 2010, In : Journal of Acquired Immune Deficiency Syndromes. 55, 3, p. 287-289 3 p.

**Treating HIV infection with drugs for HSV-2 infection? [authors' reply]**

Buvé, A. & Lynen, L., 2010, In : Lancet. 376, 9735, p. 88 1 p.

**Treating HIV infection with drugs for HSV-2 infection? [comment]**

Buvé, A. & Lynen, L., 2010, In : Lancet. 375, 9717, p. 782-784 3 p.

**Use of antiretroviral therapy in low- and middle-income countries**

Elliott, J. (ed.), Lynen, L. (ed.) & Schapiro, JM. (ed.), 2010, In : Current Opinion in HIV and AIDS. 5, 1, p. 1-5 109 p.

**An algorithm to optimize viral load testing in HIV-positive patients with suspected first-line antiretroviral therapy failure in Cambodia**

Lynen, L., An, S., Koole, O., Thai, S., Ros, S., De Munter, P., Sculier, D., Arnould, L., Fransen, K., Menten, J., Boelaert, M., Van den Ende, J. & Colebunders, R., 2009, In : Journal of Acquired Immune Deficiency Syndromes. 52, 1, p. 40-48 9 p.

#### **Challenges of HIV care in low-income countries; experience from a pilot project in Cambodia 2003-2007**

Lynen, L., 2009, Antwerpen: Universiteit Antwerpen, Faculteit Geneeskunde; Antwerpen: Instituut voor Tropische Geneeskunde, Departement Klinische Wetenschappen. 168 p.

#### **Five-year experience with scaling-up access to antiretroviral treatment in an HIV care programme in Cambodia**

Thai, S., Koole, O., Un, P., Ros, S., De Munter, P., Van Damme, W., Jacques, G., Colebunders, R. & Lynen, L., 2009, In : Tropical Medicine and International Health. 14, 9, p. 1048-1058 11 p.

#### **Gastrointestinal conditions in people living with HIV**

De Ryck, I., Ros, S., Lynen, L. & Colebunders, R., 2009, *From the ground up: building comprehensive HIV/AIDS care programs in resource-limited settings. Volume 2: Establishing a framework for success*. Marlink, RG. & Teitelman, SJ. (eds.). [Washington D.C.]: Elizabeth Glaser Pediatric AIDS Foundation, p. 277-296 20 p.

#### **Is vitamin D deficiency involved in the immune reconstitution inflammatory syndrome?**

Conesa-Botella, A., Mathieu, C., Colebunders, R., Moreno-Reyes, R., van Etten, E., Lynen, L. & Kestens, L., 2009, In : AIDS Research and Therapy. 6, 4, p. 1-5 5 p.

#### **Substituting nevirapine for efavirenz: risk factors for toxicity in nonnaive patients in a resource-constrained setting [correspondence]**

van Griensven, J., Un, P., Phe, T., Thai, S. & Lynen, L., 2009, In : AIDS. 23, 17, p. 2374-2376

#### **Substituting tenofovir for stavudine in resource-limited settings: there are challenges ahead [correspondence]**

van Griensven, J., Lynen, L. & Colebunders, R., 2009, In : AIDS. 23, 8, p. 1027

#### **Telemedicine in low-resource settings: experience with a telemedicine service for HIV/AIDS care**

Zolfo, M., Renggli, V., Koole, O. & Lynen, L., 2009, *Telehealth in the developing world*. Wootton, R., Patil, NG., Scott, RE. & Ho, K. (eds.). Ottawa: International Development Research Centre (IDRC); London: Royal Society of Medicine Press, p. 91-100 10 p.

#### **Fever after a stay in the tropics: clinical spectrum and outcome in HIV-infected travelers and migrants**

Bottieau, E., Florence, E., Clerinx, J., Vlieghe, E., Vekemans, M., Moerman, F., Lynen, L., Colebunders, R., Van Gompel, A. & Van den Ende, J., 2008, In : Journal of Acquired Immune Deficiency Syndromes. 48, 5, p. 547-552 6 p.

#### **Predictors of CD4+ cell count response and of adverse outcome among HIV-infected patients receiving highly active antiretroviral therapy in a public hospital in Peru**

López-de Castilla, D., Verdonck, K., Otero, L., Iglesias, D., Echevarria, J., Lynen, L., Gotuzzo, E. & Seas, C., 2008, In : International Journal of Infectious Diseases. 12, 3, p. 325-331 7 p.

#### **Prevention and treatment of the immune reconstitution inflammatory syndrome**

Meintjes, G. & Lynen, L., 2008, In : Current Opinion in HIV and AIDS. 3, 4, p. 468-476 9 p.

#### **Rational use of antiretroviral therapy in low-income and middle-income countries: optimizing regimen sequencing and switching**

Elliott, JH., Lynen, L., Calmy, A., De Luca, A., Shafer, RW., Zolfo, M., Clotet, B., Huffam, S., Boucher, CAB., Cooper, DA. & Schapiro, JM., 2008, In : AIDS. 22, 16, p. 2053-2067 15 p.

#### **Tuberculosis-associated immune reconstitution inflammatory syndrome: case definitions for use in resource-limited settings**

Meintjes, G., Lawn, SD., Scano, F., Maartens, G., French, MA., Worodria, W., Elliott, JH., Murdoch, D., Wilkinson, RJ., Seyler, C., John, L., Schim van der Loeff, M., Reiss, P., Lynen, L., Janoff, EN., Gilks, C. & Colebunders, R., 2008, In : Lancet Infectious Diseases. 8, 8, p. 516-523 8 p.

**Bridging the gap between clinical practice and diagnostic clinical epidemiology: pilot experiences with a didactic model based on a logarithmic scale**

Van den Ende, J., Bisoffi, Z., Van Puymbroeck, H., Van der Stuyft, P., Van Gompel, A., Derese, A., Lynen, L., Moreira, J. & Janssen, PAJ., 2007, In : Journal of Evaluation in Clinical Practice. 13, 3, p. 374-380

**Co-trimoxazole prophylaxis in tropical countries in the era of highly active antiretroviral therapy: do we know enough?**

Lynen, L., Jacobs, J. & Colebunders, R., 2007, In : Transactions of the Royal Society of Tropical Medicine and Hygiene. 101, 11, p. 1059-1060

**HIV viral load monitoring in resource-limited regions: optional or necessary?**

Calmy, A., Ford, N., Hirschel, B., Reynolds, SJ., Lynen, L., Goemaere, E., Garcia de la Vega, F., Perrin, L. & Rodriguez, W., 2007, In : Clinical Infectious Diseases. 44, 1, p. 128-134

**Immune reconstitution inflammatory syndrome in an HIV/TB co-infected patient four years after starting antiretroviral therapy**

Huyst, V., Lynen, L., Bottieau, E., Zolfo, M., Kestens, L. & Colebunders, R., 2007, In : Acta Clinica Belgica. 62, 2, p. 126-129

**Opportunistic infections and HIV clinical disease stage among patients presenting for care in Phnom Penh, Cambodia**

Kong, BN., Harwell, JI., Suos, P., Lynen, L., Mohiuddin, S., Reinert, S. & Pugatch, D., 2007, In : Southeast Asian Journal of Tropical Medicine and Public Health. 38, 1, p. 1-7

**[Evaluating a model for monitoring the virological efficacy of antiretroviral treatment in resource-limited settings] [reply]**

Colebunders, R., Lynen, L., Meya, D., Reynolds, S. & Moses, K., 2006, In : Lancet Infectious Diseases. 6, 7, p. 387-388

**A new model to monitor the virological efficacy of antiretroviral treatment in resource-poor countries**

Colebunders, R., Moses, KR., Laurence, J., Shihab, HM., Semitala, F., Lutwama, F., Bakeera-Kitaka, S., Lynen, L., Spacek, L., Reynolds, SJ., Quinn, TC., Viner, B. & Mayanja-Kizza, H., 2006, In : Lancet Infectious Diseases. 6, 1, p. 53-59

**AIDS in the Rift Valley region**

Colebunders, R., Callens, S., Huyst, V., Zolfo, M., Ponnet, M. & Lynen, L., 2006, *Africa's great rift: diversity and unity; international conference, Brussels, 29-30 September, 2005*. De Dapper, M. & de Lame, D. (eds.). Tervuren: Koninklijk Museum voor Midden-Afrika / Musée Royal de l'Afrique Centrale; Brussel: Koninklijke Academie voor Overzeese Wetenschappen / Académie Royale des Sciences d'Outre-Mer (ARSOM), p. 249-262

**Clinical HIV/AIDS care guidelines for resource-poor settings; 2nd ed**

Lynen, L., 2006, Brussels: Médecins Sans Frontières (MSF). 346 p.

**Demographic and clinical characteristics of HIV-infected inpatients and outpatients at a Cambodian hospital**

Sok, P., Harwell, JI., McGarvey, ST., Lurie, M., Lynen, L., Flanigan, T. & Mayer, KH., 2006, In : AIDS Patient Care and STDs. 20, 5, p. 369-378

**Early neuroschistosomiasis complicating Katayama syndrome [letter]**

Clerinx, J., Van Gompel, A., Lynen, L. & Ceulemans, B., 2006, In : Emerging Infectious Diseases. 12, 9, p. 1465-1466

**Remote consultations and HIV/AIDS continuing education in low-resource settings**

Zolfo, M., Lynen, L., Dierckx, J. & Colebunders, R., 2006, In : International Journal of Medical Informatics. 75, 9, p. 633-637

**The added value of a CD4 count to identify patients eligible for highly active antiretroviral therapy among HIV-positive adults in Cambodia**

Lynen, L., Thai, S., De Munter, P., Leang, B., Sokkab, A., Schrooten, W., Huyst, V., Kestens, L., Jacques, G., Colebunders, R., Menten, J. & Van den Ende, J., 2006, In : Journal of Acquired Immune Deficiency Syndromes. 42, 3, p. 322-324

**Tuberculosis immune reconstitution inflammatory syndrome in countries with limited resources**

Colebunders, R., John, L., Huyst, V., Kambugu, A., Scano, F. & Lynen, L., 2006, In : International Journal of Tuberculosis and Lung Disease. 10, 9, p. 946-953

**Validation of primary CD4 gating as an affordable strategy for absolute CD4 counting in Cambodia**

Lynen, L., Teav, S., Vereecken, C., DE MUNTER, PAUL., An, S., Jacques, G. & Kestens, L., 2006, In : Journal of Acquired Immune Deficiency Syndromes. 43, 2, p. 179-185

**Comparison of albendazole regimen for prophylaxis of strongyloides hyperinfection in nephrotic syndrome patients on long-term steroids in Cambodia**

Leang, B., Lynen, L., Schrooten, W. & Hines, J., 2005, In : Tropical Doctor. 35, 4, p. 212-213

**Management of kaposi's sarcoma in resource-limited settings in the era of HAART**

Lynen, L., Zolfo, M., Huyst, V., Barnardt, P., Van de Velde, A., De Schacht, C. & Colebunders, R., 2005, In : AIDS Reviews. 7, p. 13-21

**Palliative care in sub-Saharan Africa [letter]**

Colebunders, R., John, L., Muganzi, A., Lynen, L. & Kambugu, A., 2005, In : Lancet. 366, 9485, p. 546-547

**Persistent galactorrhea in a postmenopausal woman with herpes zoster and HIV-1 infection**

Bateganya, MH., Muhwezi, J., Mugenyi, P., Kityo, C., Lynen, L., Zolfo, M. & Colebunders, R., 2005, In : Malawi Medical Journal. 17, p. 100-101

**Prevention of tuberculosis in resource-poor countries with increasing access to highly active antiretroviral treatment [review editorial]**

Apers, L., Lynen, L., Worodria, W. & Colebunders, R., 2005, In : Tropical Medicine and International Health. 10, 12, p. 1209-1214

**Severe dyshidrosis in two patients with HIV infection shortly after starting highly active antiretroviral treatment [letter]**

Colebunders, R., Zolfo, M. & Lynen, L., 2005, In : Dermatology Online Journal. 11, 2, p. 31 1 p.

**Telemedicine as a distance learning tool for HIV/AIDS care in low resource settings**

Zolfo, M., Arnould, L., Huyst, V., De Munter, P., An, S., Bateganya, M. & Lynen, L., 2005, In : Journal on Information Technology in Healthcare. 3, p. 173-178

**Telemedicine for HIV/AIDS care in low resource settings**

Zolfo, M., Arnould, L., Huyst, V. & Lynen, L., 2005, *Medical and care compunetics 2*. Bos, L., Laxminarayan, S. & Marsh, A. (eds.). Amsterdam: IOS Press, p. 18-22 (Studies in Health Technology and Informatics; 114).

**The first reported cases of disseminated histoplasmosis in Cambodia, complicated by multiple opportunistic infections**

Bun Navy, K., Prem Prey, S., Lynen, L., Sovanna, P., Bell, JD. & Harwell, JI., 2005, In : Southeast Asian Journal of Tropical Medicine and Public Health. 36, p. 1272-1274

**Death caused by strongyloides hyperinfection in a leprosy patient on treatment for a type II leprosy reaction**

Leang, B., Lynen, L., Tootill, R., Griffiths, S. & Monchy, D., 2004, In : Leprosy Review. 75, p. 398-403

**Disseminated nocardiosis presenting with cardiac tamponade in an HIV patient**

Leang, B., Lynen, L., Lim, K., Jacques, G., Van Esbroeck, M. & Zolfo, M., 2004, In : International Journal of STD & AIDS. 15, p. 839-840

**Highly active antiretroviral treatment in countries with very limited resources: do we have cheaper alternatives? [editorial]**

Colebunders, R., Florence, E., Lynen, L. & Bouckennooghe, A., 2003, In : International Journal of STD & AIDS. 14, p. 1-5

**Do patents prevent access to drugs for HIV in developing countries? [letter]**

Boelaert, M., Lynen, L., Van Damme, W. & Colebunders, R., 2002, In : Journal of the American Medical Association. 287, p. 840-841

**Patients with HIV infection and fever: a diagnostic approach**

Florence, E., Bottieau, E., Lynen, L. & Colebunders, R., 2002, In : Acta Clinica Belgica. 57, p. 184-190

**Changing epidemiological and clinical aspects of imported malaria in Belgium**

Van den Ende, J., Morales, I., Van den Abbeele, K., Clerinx, J., Colebunders, R., Kager, P., Lynen, L., Van Gompel, A., Van der Planken, M. & Vervoort, T., 2001, In : Journal of Travel Medicine. 8, 1, p. 19-25

**Clinical AIDS care guidelines for resource-poor settings**

Lynen, L., 2001, Brussels: Médecins Sans Frontières (MSF).

**Clinical and biological manifestations of dengue [letter]**

Van den Ende, J. & Lynen, L., 1999, In : Tropical Medicine and International Health. 4, p. 239-240

**Cost-effectiveness of competing diagnostic-therapeutic strategies for visceral leishmaniasis**

Boelaert, M., Lynen, L., Desjeux, P. & Van der Stuyft, P., 1999, In : Bulletin of the World Health Organization. 77, p. 667-674

**A cluster of airport malaria in Belgium in 1995**

Van den Ende, J., Lynen, L., Elsen, P., Colebunders, R., Demey, H., Depraetere, K., De Schrijver, K., Peetermans, WE., Pereira de Almeida, P. & Vogelaers, D., 1998, In : Acta Clinica Belgica. 53, p. 259-263

**Evaluation of two tests based on the detection of histidine rich protein 2 for the diagnosis of imported *Plasmodium falciparum* malaria**

Van den Ende, J., Vervoort, T., Van Gompel, A. & Lynen, L., 1998, In : Transactions of the Royal Society of Tropical Medicine and Hygiene. 92, p. 285-288

**Splenic rupture as a complication of *P. falciparum* malaria after residence in the tropics; report of two cases**

De Aguirre, Z., De Droogh, E., Van den Ende, J., Lynen, L., Depraetere, K., Demey, HE., De Schepper, A., Hubens, G. & Colebunders, R., 1998, In : Acta Clinica Belgica. 53, p. 374-377

**Controverses in de behandeling van ernstige malaria**

Lynen, L. & Van den Ende, J., 1997, *Proceedings; Geneeskundige Dagen van Antwerpen 1997*. [Antwerpen]: [s.n.]

**Diagnosis of malaria disease**

Van den Ende, J. & Lynen, L., 1997, *Handbook of malaria infection in the tropics*. Carosi, G. & Castelli, F. (eds.). Bologna: Associazione Italiana 'Amici di R. Follereau' (AIFO), p. 137-150 (Quaderni di Cooperazione Sanitaria. Health Cooperation Papers. Cahiers de Cooperation Médicale; 15).

**Measles vaccination and inflammatory bowel disease [letter]**

Van Damme, W., Lynen, L., Kegels, G. & van Lerberghe, W., 1997, In : Lancet. 350, p. 1774-1775

**Clinical algorithm for malaria in Africa [letter]**

Van den Ende, J., Van Gompel, A., Lynen, L. & Van Damme, W., 1996, In : Lancet. 347, p. 1327

**Local application of diminazene aceturate: an effective treatment for cutaneous leishmaniasis?**

Lynen, L. & Van Damme, W., 1992, In : Annales de la Société Belge de Médecine Tropicale. 72, p. 13-19

## Projects

### **Alternative methodological approaches to assess longterm HIV virological and clinical outcomes in resource limited settings**

Mesic, A., Lynen, L., Decroo, T., van Olmen, J. & Ritmeijer, K.  
27/04/21 → ...

### **Better clinical management of Visceral Leishmaniasis in HIV patients in Ethiopia: secondary prophylaxis and HAART optimization.**

Ejara, E. D., Lynen, L., van Griensven, J., Colebunders, B. & Hailu, A.  
1/03/10 → 26/05/15

### **AFRICA BUILD: Building a research and education infrastructure for Africa**

Lynen, L. & Baeten, E.  
European Commission  
1/08/11 → 31/07/14

### **Building capacity for research on febrile illness in children and adults in DRC**

Lynen, L. & Baert, E.  
King Baudouin Foundation  
1/03/21 → 31/12/21

### **AfriCoLeish: Care package for treatment and control of visceral leishmaniasis in East Africa**

Balasegaram, M., Ravinetto, R., van Griensven, J., Baeten, E., Alexander, N., Diro, E., Edwards, T., Ellis, S., Mudawi Musa, A., Ritmeijer, K., Wasunna, M., Yifru, S., Zijlstra, E., Lynen, L. & Sy, H.  
European Commission  
1/01/13 → 31/12/16

### **Challenge for optimal care for people living with HIV in countries with limited resources: findings from observational studies from different settings.**

Koole, O., Lynen, L., Colebunders, B. & Jaffar, S.  
22/01/15 → 29/05/15

### **TB TRIAGE: Community-based tuberculosis triage testing after symptom screening in hard-to-reach African populations: CAD4TB versus C-reactive protein**

Lynen, L. & Baert, E.  
European & Developing Countries Clinical Trials Partnership  
1/01/20 → 31/12/23

### **Differentiated Implementation of HIV Treat All in Zimbabwe**

Makurumidze, R., Lynen, L., Decroo, T., Van Damme, W. & Rusakaniko, S.  
1/03/18 → ...

### **Early diagnosis and care of tuberculosis through community-based active case-finding using rapid diagnostic tests in urban slums of Phnom Penh, Cambodia**

Lorent, N., Colebunders, R., Lynen, L., Rigouts, L. & Colebunders, B.  
22/10/13 → 2/10/15

### **HEPATITIS C: Hepatitis C treatment for HIV patients in resource-poor countries: is a public health approach possible**

Lynen, L., van Griensven, J., Florence, E. & Ratsarahery, L.  
Flemish Government - Department of Economy, Science & Innovation  
1/07/14 → 31/12/19

### **Hepatitis C/HIV coinfection in Cambodia: from pilot project to lessons learned for a public health approach**

De Weggheleire, A., Lynen, L. & Francque, S.  
26/04/18 → ...



**CAMBODIA - 2018 - FA4: National Institutes in Cambodia have increased capacity to generate evidence for the management of health problems and for the strengthening of the health system in Cambodia.**

Lynen, L., Jacobs, J., De Baetselier, I., De Weggheleire, A., Smekens, B., Stassijns, J., Damme, W. V., van de Put, W., Delvaux, T. & Ratsarahery, L.

DGD

1/01/18 → 31/12/18

**TriDoRe: Novel high-dose tuberculosis retreatment regimens: How to overcome resistance without creating more?**

Decroo, T., Lynen, L., de Jong, B. & Ratsarahery, L.

Fonds voor Wetenschappelijk Onderzoek

1/10/18 → 30/09/21

**TriDoRe: Novel High-Dose Tuberculosis Retreatment Regimens: How to overcome resistance without creating more?**

Lynen, L., de Jong, B., Van Deun, A., Decroo, T., Gumusboga, M., Meehan, C., Lempens, P., Rigouts, L., Ratsarahery, L., Van Herrewege, Y., Buyze, J. & Herssens, N.

Flemish Government - Department of Economy, Science & Innovation

1/10/18 → 30/09/24

**Performance of community-based ART programmes for key populations in Nigeria and sub-Saharan Africa**

Ibiloye, O., Lynen, L., Decroo, T., Van Belle, S., van Olmen, J., Masquillier, C. & Jwanle, P.

1/01/21 → 30/06/22

**PREDICT.VL: Predicting visceral leishmaniasis in HIV infected patients: how to screen and who to treat**

van Griensven, J., Lynen, L. & Ratsarahery, L.

Flemish Government - Department of Economy, Science & Innovation

1/07/14 → 31/12/21

**PREDART: Preventing tuberculosis-associated immune reconstitution inflammatory syndrome in high-risk patients : a randomised placebo-controlled trial of prednisone**

Meintjes, G., Colebunders, R., Baeten, E., Maartens, G., Wilkinson, R. J., Lynen, L. & Baeten, E.

European & Developing Countries Clinical Trials Partnership

1/12/12 → 31/08/15

**The immunomodulatory role of prednisone in TB-HIV co-infected patients and assessment of its impact on clinical and TB treatment outcomes**

Stek, C., Lynen, L. & Meintjes, G.

30/04/15 → ...