



Umoya omuhle is a 3 year study that began in 2017 and uses a whole systems approach to look at infection prevention and control for drug-resistant tuberculosis in clinical settings of South Africa in an era of decentralised care.

The name, Umoya omuhle, means good air in Zulu, and embodies the project vision of bringing a 'breath of fresh air' to current thinking on infection prevention and control.

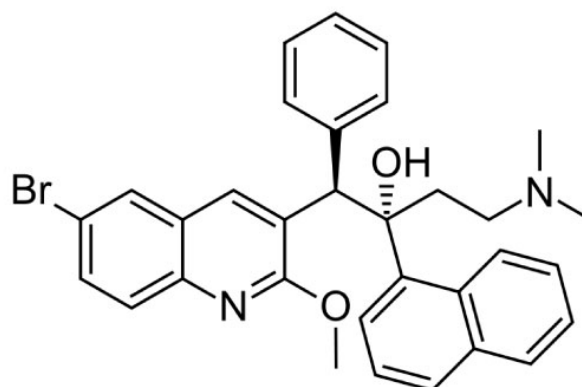
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GENERAL INTEREST

"Tuberculosis-like respiratory infection in 245-million-year-old marine reptile"

Researchers from Poland and the USA have just published an article in the Royal Society Open Science, claiming to have found the first known case of a tuberculosis-like infection. Sauropterygians (above) are aquatic reptiles that evolved from land animals, and their fossils may help us understand the origins of infectious diseases.



Chemical structure of bedaquiline, which will now be given as oral medication for MDR-TB in South Africa

IN THE NEWS

South Africa becomes first country to include new, more effective DR-TB drug in standard treatment (Jun 19, Doctors Without Borders, etc.)

POLICY RELEVANT

'Social drivers' must be confronted in fight against tuberculosis says UN chief (Jun 4, 2018)

More political attention, research solutions needed for TB, experts say (Jun 6, 2018, Devex)

Floyd et al. (Feb 19, 2018). Global tuberculosis targets and milestones set for 2016–2035: definition and rationale. *International Journal of Tuberculosis and Lung Disease*, 22(7): 723–730.

OTHER BITS & BOBS

Infection Prevention and Control: Reference Manual for Health Care Facilities with Limited Resources (2018, Jhpiego)

Infection Control Assessment and Prevention Programme (2018, Nebraska Medical Care) - *guidance for rural facilities*

Design for Health (Gates Foundation) - a long-term project looking at how global healthcare designs can improve

COURSES

Architectural and Engineering Approaches to Infection Control Courses (Jul 16–20, 2018, University of Pretoria) - free for SA residents only

Systems Thinking in Public Health (started Jun 25, 2018, John Hopkins University via Coursera)



LITERATURE

van Olmen et al (2012). The Health System Dynamics Framework: The introduction of an analytical model for health system analysis and its application to two case-studies. *Health, Culture and Society*, 2(1).

Sheikh et al (Apr 17, 2014). People-centred science: strengthening the practice of health policy and systems research. *Health Research Policy and Systems*, 12:19

Sheikh et al (Sep 11, 2014). Explorations on people centredness in health systems. *Health Policy and Planning*, 2(1): 1-15

Grotto & Ricci (Jul 29, 2015). Identification and analysis of the main drivers for Ebola virus spillover. European Food Safety Authority. EFSA supporting publication 2015-EN-860

McConnico et al (Jan-Feb, 2017). Systems Mapping of Sexually Transmitted Infection Services at Three Clinical Sentinel Surveillance Sites in South Africa: Opportunities for Integrated Care. *Journal of the Association of Nurses in AIDS Care*, 28(1): 154-164

Patterson et al. (May 30, 2018). Tuberculosis infection control practices in a high-burden metro in South Africa: A perpetual bane for efficient primary health care service delivery. *African Journal of Primary Healthcare and Medicine*, 10(1):a1628



UO team in South Africa © Phumlo Ngcobo, 2018

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Umoya omuhle is a collaborative project between the following institutions:

