The use of bedaquiline in regimens to treat drug-resistant and drug-susceptible tuberculosis: a perspective from tuberculosis-affected communities

Laia Ruiz Mingote, Dorothy Namutamba, Francis Apina, Nomampondo Barnabas, Carmen Contreras, Taharqa Elnour, Mike Watson Frick, Cynthia Lee, Barbara Seaworth, Debra Shelly, Natalie Skipper, Ezio Tavora dos Santos Filho

In December, 2012, the US Food and Drug Administration (FDA) approved bedaquiline for the treatment of pulmonary drug-resistant tuberculosis. WHO has issued normative guidance on bedaquiline, which is available on the market in the USA and through compassionate use in other countries. As the first new drug from a novel class approved to treat tuberculosis in more than 40 years, bedaquiline’s implications for improving treatment of drug-resistant tuberculosis and possible application to create shorter first-line regimens for treatment of drug susceptible tuberculosis is still unclear. Existing drugs must be taken for months (drug-susceptible tuberculosis) or years (drug-resistant tuberculosis), burdening patients and health systems; even then, cure rates for drug resistant disease range from 11% to 79% dependent on the extent of resistance. However, community voices on bedaquiline’s use to treat drug-resistant tuberculosis and future development as a potential treatment for drug susceptible disease have been largely unheard. We provide a community perspective on this issue and list seven questions concerning bedaquiline’s safety that researchers should answer before the launch of clinical trials of bedaquiline for drug-susceptible tuberculosis.

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For entire article please visit:
http://dx.doi.org/10.1016/S0140-6736(14)60523-7
The MISSION of the Heartland National TB Center is to build capacity with our partners. We will share expertise in the treatment and prevention of tuberculosis by: developing and implementing cutting-edge trainings, delivering expert medical consultation, providing technical assistance, and designing innovative educational and consultative products.
Heartland Highlights

Invited Lectures

Dr. Lisa Armitige - Panel Discussion on LTBI Diagnosis and Treatment in the Pediatric Population. North American Region of the International Union Against Tuberculosis and Lung Disease Conference, Boston, MA, February 26, 2014.


Dr. Barbara Seaworth - TB and Diabetes: Untangling the Complex Web of Interactions and Recent Advances in the Diagnosis and Treatment of MDR TB. CTCA 2014 Educational Conference, April 24, 2014.

Dr. Barbara Seaworth - Project ECHO. National Tuberculosis Controllers Association, June 9 - 12, 2014


Dr. David Griffith - Management of Contacts to Drug-Resistant TB Case. Chest Annual Conference, Austin, TX, October 2014.


Honors and Awards

Dr. Barbara Seaworth - Lifetime Achievement and Service Award, North American Region of the International Union Against Tuberculosis and Lung Disease, February 2014.
**Professional Activities**

Dr. Barbara Seaworth - *Member*, Texas Center for Infectious Disease Board, September 1, 2014-current.

Dr. Lisa Armitige – *Member*, Advisory Committee of TB Elimination, September 1, 2014-current.

Dr. Barbara Seaworth – *President*, National Society of Tuberculosis Clinicians, 2014.

**Review Panels and Committees**


Dr. Barbara Seaworth - *Planning Committee and Session Moderator*, International Union Against Tuberculosis and Lung Disease, Boston, MA, February 2014.


**Abstracts/Presentations**


Abstracts/Presentations (continued)


**Publications**


Publications (continued)


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TB LINKS

TB Education and Training Network
http://www.cdc.gov/tb/education/Tbetn/default.htm

Find TB Resources
www.findtbresources.org

Tuberculosis Epidemiologic Studies Consortium (TBESC)
http://www.cdc.gov/tb/topic/research/TBESC/default.htm

Regional Training and Medical Consultation Centers' TB Training and Education Products – (Joint RTMCC Products Page)
https://sntc.medicine.ufl.edu/rtmccproducts.aspx

Program Collaboration and Service Integration (PCSI)
http://www.cdc.gov/nchhstp/programintegration/Default.htm

****If your organization has any additional links for TB resources you would like published, please send them to Alysia.Wayne@uthct.edu****
**2015 HNTC Training Calendar**

<table>
<thead>
<tr>
<th>Date</th>
<th>Course</th>
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<tr>
<td>Feb 4, 11, 18, 25</td>
<td>Introduction to TB Nurse Case Management</td>
<td>Online</td>
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<tr>
<td>Mar 17 - 19</td>
<td>TB Nurse Case Management</td>
<td>San Antonio, Texas</td>
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<td>Mar 19</td>
<td>TST Practicum</td>
<td>San Antonio, Texas</td>
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<tr>
<td>May 7, 14, 21, 28</td>
<td>Introduction to TB Nurse Case Management</td>
<td>Online</td>
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<tr>
<td>Aug 5, 12, 19, 26</td>
<td>Introduction to TB Nurse Case</td>
<td>Online</td>
</tr>
<tr>
<td>Sep 22 - 24</td>
<td>TB Nurse Case Management</td>
<td>San Antonio, Texas</td>
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**The calendar will be updated in every newsletter as well as on the website to show trainings that have been confirmed**

Please visit our website: [http://www.heartlandntbc.org/training.asp](http://www.heartlandntbc.org/training.asp) to find detailed information concerning registration and participation.

Proposed topics are subject to change; check website for the latest updates.

Products from the Heartland National TB Center are available for download at [http://www.heartlandntbc.org/products.asp](http://www.heartlandntbc.org/products.asp)

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**Heartland has a new Logo and Icon!**

Look for it in 2015!