Treating Patient, Not Disease: People-Centered Approach

7th TB Symposium — Ministry of Health of the Kyrgyz Republic and Médecins Sans Frontières

1-2 March 2018, BISHKEK, KYRGYZSTAN

Integrated model of HIV care at Tashkent City AIDS Centre (TCAC)

Vinera Barotova
TB SCREENING ALGORITHM AT TCAC

SCREENING BY RECEPTION NURSE:
all patients not receiving TB treatment are screened using the WHO questionnaire

1. YES to the 1st question
2. NO to the 1st question, YES to other questions

Refer to physician for examination

Physician's examination results:
- Cough lasting > 2 weeks
- No cough but:
  - Fever > 37.5°C
  - Dyspnoea
  - Pleural effusion or pericarditis
  - Swollen cervical or axillary lymph nodes
  - Altered mental status

Physician refers the patient for:
- GeneXpert
- Chest X-ray

If the patient has one of the following:
AFB smear+ or GeneXpert MTB+
- Suggest clinical assessment of X-ray results
- Refer the patient to TB doctor

Negative results:
Isoniasid prevention therapy
Monitor patient adherence to IPT at each visit

NO to all questions

No suspected TB
Repeat the assessment in 3–6 months

• Fill in the referral form
• Refer the patient to TB hospital with copies of corresponding results
• Refer to TB doctor for re-examination
Statistics on TB screening with GeneXpert at Tashkent City AIDS Centre by year

- Total Screened
- MTB+
- Rif R(-)
- Rif R(+)

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Screened</th>
<th>MTB+</th>
<th>Rif R(-)</th>
<th>Rif R(+)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>170</td>
<td>20</td>
<td>13</td>
<td>7</td>
</tr>
<tr>
<td>2015</td>
<td>703</td>
<td>148</td>
<td>84</td>
<td>64</td>
</tr>
<tr>
<td>2016</td>
<td>731</td>
<td>141</td>
<td>77</td>
<td>62</td>
</tr>
<tr>
<td>2017</td>
<td>773</td>
<td>112</td>
<td>59</td>
<td>51</td>
</tr>
</tbody>
</table>

Treating Patient, Not Disease: People Centered Approach
7th TB Symposium — Ministry of Health of the Kyrgyz Republic and Médecins Sans Frontières
TB/HIV medical services at TCAC in January–September 2017

- Number of patients with TB/HIV co-infection average CD4

Number of HIV patients screened for TB (4515)

  Number of patients tested for TB with positive result (328)

  Number of patients started antiretroviral therapy (234)

  Number of patients tested for TB with negative result (4187)

  Number of patients receiving Isoniazid preventive therapy (898)
Model: “One-stop shop” services

All procedures are provided at the same facility and at the same day

- Triage nurse
- Infectiologist
- Blood collection nurse
- X-ray specialist
- Doctor-laboratory specialist (myco + clinical)
- Consultant
- Pharmacist
- TB doctor
Vertical model

**Day 1**

**HIV Facility**
- Reception nurse
- Infectiologist
- Consultant
- Blood collection nurse
- Doctor-laboratory specialist
- Pharmacist

**TB Dispensary**
- Reception nurse
- TB specialist
- X-ray technician
- Radiologist
- TB laboratory nurse
- Doctor-laboratory specialist (smear)

**Scientific Research Institute of Phthisiology and Pulmonology**
- Sample reception nurse
- Doctor-laboratory specialist (GeneXpert)

**Day 1**

*Treating Patient, Not Disease: People Centered Approach*
7th TB Symposium — Ministry of Health of the Kyrgyz Republic and Médecins Sans Frontières
Achievements

- TB diagnostic tools at AIDS Centre
- UV light for infection control
- TB doctor at AIDS Centre
- Laboratory personnel trained to perform GeneXpert tests
- Improved health education on TB in HIV facility through distribution of TB brochures
- TB/HIV communication form
- Increased TB case detection among HIV patients
Challenges

• Triage of patients presenting with cough
• Patients are unwilling to wear surgical masks
• Challenges with creating backups of digital X-ray equipment
X-RAY ROOM