Hepatitis B and C work in GHANA

Dr. Yvonne A. Nartey
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About the speaker

Name: Dr. Yvonne A. Nartey

Employment: Internist, Cape Coast Teaching Hospital

Background
- MBChB (2013)
- Internship (2015)
- MSc in Internal Medicine (2019)
- MPhil in Microbiology and Immunology (2019)
- Membership in Internal Medicine (2021)
- PhD Candidate (2022)

Yvonne in a nutshell:
- Physician
- Teacher
- Advocate
- Researcher
- Wife, sister, friend, mentor

Cape Coast, Ghana
GHANA

HBV Prevalence: 8.4 – 12.3%

HCV Prevalence: 3.0%
<table>
<thead>
<tr>
<th></th>
<th>HCV Status: Verified</th>
<th>HBV Status: Verified</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HCV Infections (2016)</strong></td>
<td></td>
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<tr>
<td>399,000 (1.4%)</td>
<td>Diagnosed 8%</td>
<td>Annual Deaths 1,300</td>
</tr>
<tr>
<td></td>
<td>Annual Treated 0%</td>
<td></td>
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<tr>
<td></td>
<td>Annual Deaths 1,300</td>
<td></td>
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<tr>
<td></td>
<td>4 deaths per day</td>
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<tr>
<td><strong>HBV Infections (2016)</strong></td>
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</tr>
<tr>
<td>2,823,000 (9.9%)</td>
<td>Diagnosed 1%</td>
<td>Annual Deaths 3,300</td>
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<tr>
<td></td>
<td>Treated 0%</td>
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</tr>
<tr>
<td></td>
<td>Annual Deaths 3,300</td>
<td></td>
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<tr>
<td></td>
<td>9 deaths per day</td>
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</tbody>
</table>

Birth Dose 0%
3+ Dose 93%
HBIG 0%
Tx Pregnant Women 0%

https://cdafound.org/dashboard/polaris/dashboard.html
OUR HBV AND HCV WORK IN GHANA

1. Prevention of Mother to Child Transmission of HBV (PMTCT)
2. Evaluation of HBV and HCV Testing and Treatment Capacity (HEAT Project)
3. Assessment of region-specific burden in Ghana (HEAT Project)
4. Research on liver cirrhosis and liver cancer and development of first countrywide registry
01 PMTCT

- Grant Sponsored by Gilead Sciences (2020–2021)
- Training of 1,800 healthcare workers across Ghana on HBV and PMTCT
- Provision of teaching aids for midwives to educate pregnant women
Prevention of Mother to Child Transmission of Hepatitis B

TOPICS
- Overview of viral hepatitis, risk factors and public health relevance
- Diagnosis of HBV; all you need to know
- Treatment principles of HBV
- Care of the pregnant woman (and baby) with HBV

RATE: FREE

MDC, NMC, & ALLIED HEALTH COUNCIL CPD ACCREDITED

TARGET: DOCTORS, NURSES, MIDWIVES, MEDICAL/PHYSICIAN ASSISTANTS

DATE: 4th & 5th February 2021
TIME: 8.30am to 4.30pm
VENUE: Ho Teaching Hospital Annex
(Princefield College Site, Aflao Road)

For more information please contact: 0246794065 / 0209311063
WORKSHOP AT THE CAPE COAST TEACHING HOSPITAL (PRE-PANDEMIC)
3. Pregnancy and Breastfeeding

- Pregnant women with immune-active hepatitis should be treated per recommendations for nonpregnant women.
- In HBsAg+ pregnant women with HBV DNA > 200,000 IU/mL, antiviral therapy recommended to prevent perinatal transmission
  - TDF preferred due to its potency and high barrier to resistance.
- Infants born to HBsAg+ women should receive immunoprophylaxis (i.e., HBV vaccination ± HB Ig per WHO and CDC recommendations).
- Breastfeeding is not contraindicated in women receiving NA therapy.
WHATSAPP RESOURCE WITH FACILITATORS

According to the client she was on drugs for 4yrs. But was asked to stop about 1year now. I need you counsel on what to do for her. Thank you.

9:10 AM

I think this patient need only monitoring

1:20 PM

1. How old is the patients?

2. Any family history of liver cirrhosis or hepatocellular carcinoma?

3. What was the indication for testing this patient?

3:46 PM

Dr Amoako Duah KBTH
1. How old is the patients?
2. Any family history of liver cirrhosis or hepatocellular carcinoma?

55 years old female

Only her 30 yr old son tested positive for HBsAG

It was realized during a medical screening

4:11 PM

Dr Amoako Duah KBTH
Ok. Then do liver function test and abdominal ultrasound scan and let's see

4:15 PM
HEAT Project

- Grant from Coalition for Global Hepatitis Elimination, Task Force for Global Health
- Evaluation of Testing and Treatment Capacity for HBV and HCV
- Assessment of Epidemiologic Burden
<table>
<thead>
<tr>
<th>Project objective</th>
<th>Support elimination-ready HBV and HCV testing policy development</th>
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<tbody>
<tr>
<td>Supported by</td>
<td><img src="image" alt="Coalition for Global Hepatitis Elimination" /></td>
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</tbody>
</table>
| Ongoing projects  | • Ghana  
                      • Vietnam  
                      • Moldova  
                      • Thailand   |
| Key project components | • Epi assessment (if needed)  
                         • Lab capacity assessment  
                         • Elimination modeling  
                         • Policy/Action plan development |
ASSESSING NATIONWIDE BURDEN

HBsAg

Anti-HCV

** Based on health screening data from HFOG
ASSESSING TESTING CAPACITY IN GOVERNMENT HOSPITALS
DEVELOPMENT OF NATIONWIDE REGISTER
UPCOMING / FUTURE WORK:

1. Free HCV treatment for up to 5000 patients through donation from Egyptian government

2. Advocacy for HBV Birth dose vaccination in Ghana

3. Advocacy for government funded/cheaper testing and treatment for HBV/HCV in Ghana

4. Strengthening reporting systems for viral hepatitis in Ghana
OUR TEAM

Prof Dorcas Obiri-Yeboah
Dr. Amoako Duah
Prof Yaw Asante Awuku
Prof Lewis R. Roberts
Prof Amelie Plymoth
Extended Network
THANKS!

Happy to take questions!

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