

Case

- 59 y/o F without significant PMH
- Recurrent respiratory infections over 3 years;
- CXR revealed mild increase in airways disease;
- CT finally performed after 3 years of cough









Yes

W1cbU1 erm41 gene

No

Macrolide?
2 other drugs
Amikacin

Imipenem (IV)
Cefoxitin (IV)
Tigecycline (IV)
Linezolid
Clotrimazole
Moxifloxacin
Bedaquiline
Avibactam/ceftaz (IV)
Omadacycline

Macrolide
1 other drug
Amikacin

Macrolide?
2 other drugs
Inhaled Amikacin

Macrolide





A New Approach – Avibactam with Carbapenems??

- Combination of avibactam and carbapenems exhibit enhanced potencies against drug resistant *Mycobacterium abscessus*.
 - Kaushik, A et al Future Microbiol 2017
 - 28 resistant isolates of *M abscessus*
 - Avibactam was able to restore the MICs of tebipenem, ertapenem, and panipenem against *M abscessus* to therapeutically achievable concentrations









