



Appendix 9

Nebulised Liposomal Amikacin (Arikayce®)

How do I take?

- You will be taught how to administer amikacin solution via the provided Lamira® Nebuliser System that includes the nebuliser handset, aerosol head and controller
- Liposomal amikacin (Arikayce) contains soy therefore make your NTM team aware if you are allergic or sensitive to soya
- Arikayce should not be used in people diagnosed with Myasthenia Gravis

Will there be any interactions with any of my other medicines?

There are currently no clinical drug interaction studies done with nebulised amikacin. Your NTM team will however still check all prescribed medications you take and any over the counter medications so as to be aware of any drugs that can potentially increase the risk of amikacin toxicity.

Is there anything I need to look out for?

- Amikacin may cause side effects. You should make your NTM team aware if you experience any of the following side effects:
 - Shortness of breath (chest tightness)
 - Sore throat and mouth
 - Hoarseness and/or altered voice
 - Haemoptysis (coughing up fresh blood)
 - Tinnitus (ringing in your ears)
 - Hearing loss
 - Muscle weakness
 - Balance disorder
- Inform your NTM team if you know you have a mitochondrial genetic mutation or are aware of any history of deafness on your mother's side, including deafness in mother, mother's siblings or mother's parents
- Please see patient information insert provided with medication for full lists of side effects



How will I be monitored?

- Before starting treatment, a test dose will be given to check that you can tolerate the nebulised amikacin. You may be asked to use a reliever medicine such as salbutamol before using nebulised amikacin to prevent bronchoconstriction (chest tightness)
- Your NTM team may also check your hearing (audiometry) at the beginning of treatment and intermittently during treatment depending on any risks of hearing changes and symptoms. In addition, if you experience any hearing changes including tinnitus (ringing in the ear) or if you notice you have needed to turn the volume up on your radio or TV for no obvious reason then make your NTM team aware
- Your NTM team will also check your kidney function via blood tests regularly throughout treatment