

LOW DOSE IMMUNOTHERAPY FOR LYME DISEASE

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- Evolution of LDI
- EPD to LDA to LDI
- From the UK to the USA



- Why haven't I heard about it?
- Has remained under the radar

TERMINOLOGY



IMMUNOTHERAPY - engaging the immune system to fight the disease, in this case Lyme Disease

TERMINOLOGY



ANTIGEN - a substance which induces an immune response

LYP - an antigen comprised of Lyme, Yeast, and Parasites

DOSE TITRATION - gradually increasing the strength of the antigen (LYP)

TERMINOLOGY



FLARE - worsening of symptoms

EFFECTIVE DOSE - the strength that most effectively improves symptoms but can only be administered every 7 weeks

BOOSTER DOSE - the strength that boosts the Effective Dose sustaining overall improvement

HOW TO
PROCEED WITH



LDI
TREATMENT

- Administration of dose is done sublingual only
- Philosophy of LDI is that tolerance is best achieved orally vs injection



- How is a dose chosen?
- LYP is mixed from about 4C to 30C
- Lower numbers are stronger, higher numbers are weaker



- There are very trace amounts of antigens in every dose
- 5C to 6C = 10^{-12}
- Why are there trace amounts?



- Initial phase is finding the Effective Dose
- Investigative Phase
- Dose can be self administered or by provider



- Titrate between 30C and 4C
- Work from weak to strong
- Work in batches of five strengths

-Example: 25C, 24C, 23C,
22C, 21C

- Wait 7 to 10 days to report response
- Half doses are used as indicated



- Flares do occur but what does that mean?
- If we can make it worse, we can make it better with a weaker dose
- How to neutralize a Flare



Treatment requires the three P's

PATIENCE

PERSISTENCE

PERSEVERANCE



- Reproduce the response of the Effective Dose a second time
- Continue dosing every 7 to 8 weeks
- Be consistent and persistent!
- Utilize Booster Doses



- Long range expectations
- Some Lyme patients need to treat FOODS, CHEMICAL AND ENVIRONMENTAL ALLERGIES
- Some also need autoimmune antigens



Enjoy a new lease on life!

Q & A



