## **Chronic Systemic Co-infections**

leaf extract (many sources), NSC-100, and Laktoferrin. These products have been used to boost immune systems. Although they appear to help many patients, their clinical effectiveness in chronic-illness patients has not been carefully evaluated. They appear to be useful during therapy to boost the immune system or after antibiotic therapy in a maintenance program to prevent relapse and opportunistic secondary infections.

## Lipid Replacement Therapy for Chronic Infections and Restoring Mitochondrial Function

Lipid Replacement Therapy is useful in providing membrane lipids in unoxidized forms to repair nerve mitochondrial membranes that are damaged by heavy metals, chemicals, and infections.20 For LD patients, we recommend the oral supplement Healthy Aging containing NTFactor (Nutritional Therapeutics). This product comes as tablets that are taken twice per day. For children, it should be ground up between two spoons into a coarse powder that can be added to several spoonfuls of applesauce. The NTFactor is not bitter, but it is slightly sour, and some children actually like the taste. The dose should be four to six tablets twice per day for adults. For children: one-half to one tablet for children up to two years-old; two tablets for children two to three years old; three to four tablets for children four to five years old; and four to five tablets for children five years old and older. Research has demonstrated adverse responses with NTFactor, even at many times these doses. Since this formulation is a completely natural membrane lipid mixture, there are no known toxicities and no known toxic dose limits. NTFactor can also be taken in a form with vitamins, minerals, and probiotics (Propax). Lipid Replacement Therapy has been shown to improve fatigue scores and mitochondrial function in various chronic illnesses.20

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## Note

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