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June 22 at 7:25pm

Very promising research for nutritional support during chemotherapy.  
**MILK THISTLE FOR THE TREATMENT OF LIVER TOXICITY DURING CHEMOTHERAPY**

The most common type of childhood leukemia is known as Acute Lymphoblastic Leukemia (ALL). When I was a child, the likelihood of surviving ALL was less than 10%. Children diagnosed since the year 2000 now have a survival rate over 90%\*. Although that is amazing progress, treatment is still very difficult and often is very hard on body organs such as the liver. In the treatment of children with acute lymphoblastic leukemia (ALL), chemotherapy treatment is often interrupted due to liver toxicity.

Researchers recently conducted a multicenter pilot study that evaluated the safety and feasibility of milk thistle (MT) for the treatment of liver toxicity in children with ALL receiving maintenance phase chemotherapy.

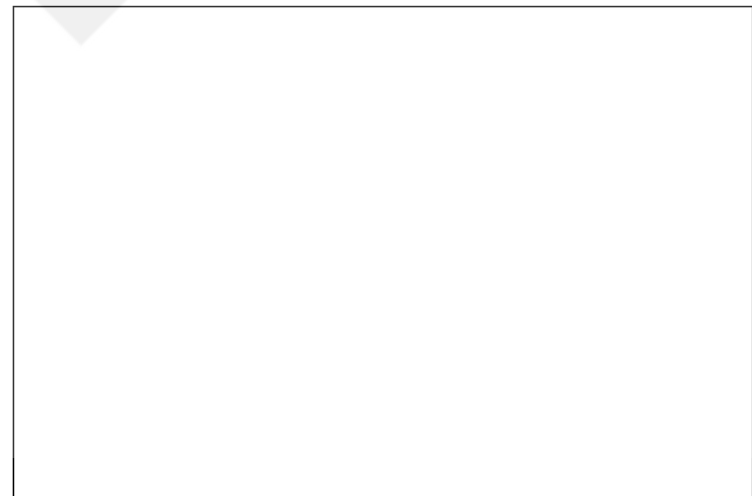
During the maintenance phase of therapy, patients are regularly evaluated for liver toxicity at the beginning of each cycle of chemotherapy. Fifty children were enrolled in the study. To be eligible, they had to have moderate liver toxicity based on one of three tests, amino alanine transferase (ALT), aspartate amino transferase (AST), or total bilirubin (TB).

At day 56, the MT group had a significantly lower AST and a trend towards a significantly lower ALT. Although not significantly different, chemotherapy doses were reduced in 61% of the MT group, compared to 72% of the placebo group.

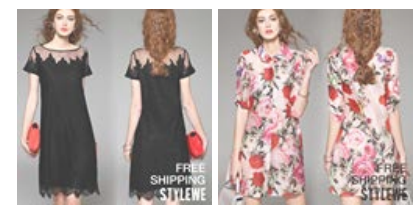
This was the first study to evaluate milk thistle in a blinded, controlled, trial among children undergoing treatment for ALL with biochemical evidence of elevated liver function tests. In children with ALL with liver toxicity, MT was associated with a trend towards significant reductions in liver toxicity and did not antagonize the effects of chemotherapy agents. Future research should be conducted to determine whether MT can be used with the same efficacy in adults and with other types of chemotherapy.

NOTE: Please do not take products during cancer treatment without first discussing it with a health professional, nor is this a substitute for appropriate medical treatment. This information can be used to aid in discussion with the specialist to determine if it is appropriate in specific circumstances. This is very promising, but it has yet to be proven in other studies involving different cancers and therapies. But, it offers a solid foundation for discussion about nutritional support during cancer treatment.

Full paper:  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3542639/>  
[\\*http://www.cancer.org/.../childhood-leukemia-survival-rates-i...](http://www.cancer.org/.../childhood-leukemia-survival-rates-i...)



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**Cathie Botelho** Tracy Ryan

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1 Reply



**Kary Diaz** Marina Reyes great information and resources for chemo. Milk thistle is one of the primary active ingredients in Hepasil DTX (Hepa Plus). You can get it on my website or call me and I will get it to you soon along with the other products that I told Evelyn about. Let me know 😊

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**Tasha Rodriguez** Sophia Salvacion Sj Rodriguez Beth Rodriguez

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**Kevin Ariaga** Orville Thomas Valencia

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**June Lee** Thankful to be a part of the USANA family.

Like · Reply · June 23 at 12:48am



**Pennie Z. De Guzman** Pls share with your friends...  
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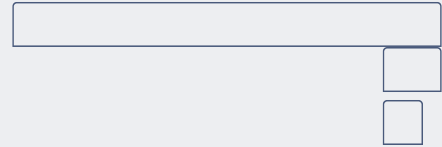


**Mike Cel** Very thankful to usana

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**Neri Perez Felizardo** Leo Masagca, Errol Samarista Alonzo, Claire Bhibe





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**Krizmagnum Ibaos Dong Kee...** please read about this

Like · Reply · June 24 at 12:12am



**Dawn Schultz** Interesting reading... Cassidy & Debi.

Like · Reply · June 24 at 6:25pm



**Ivy Echin** AWESOME!!!!

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**Denise Webb**



Like · Reply · June 25 at 3:05am



**Noell Campos Sole** Thought of Brody Nichole...I forgot what type of cancer he has.

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**Marj Parado Reya Orica Chua Felie Omambac Cabarse Adel Pelonia**

Like · Reply · June 26 at 6:52pm



**Linda Memmesheimer** I know that some herbs can be estrogenic. Would the Milk Thistle in the Hepasil have any bearing on hormone levels. I do remember Dr. Ladd McNamara, M.D. USANA explaining that Hepasil was formulated for breast support. I would just like to verify that there is no estrogenic risk from the Milk Thistle because of a query from one of my associates.

Like · Reply · June 27 at 4:09pm



**Dexter Agbing de Silva Debbiedebs Nazareno** might want to discuss to doctor of vhan regarding this

Like · Reply · 1 · June 27 at 9:08pm



**Kar Cabatingan Mondejar Enero Miles**

Like · Reply · June 27 at 9:09pm



**Mary Ann Fombuena Flor Ames**

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**Ruby Belarmino Dumpit Mhariel Dela Pena Oconer**

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**Kristina De Castro Enriquez Melai Mupada**

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