Acids, other chemicals, and other food treatments

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PLAN

I. Treatment of Acid



Chemicals treatments in food



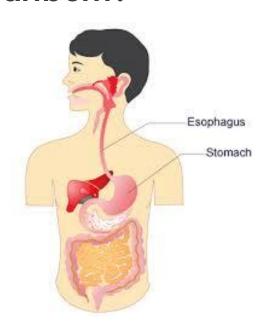
III. Food treatments



- Acid reflux is an extremely common health problem, affecting as many as 50 percent of Americans. Other terms used for this condition are gastroesophageal reflux disease (GERD) or peptic ulcer disease.
- The hallmark symptom of acid reflux is "heartburn"—a burning sensation behind your breastbone that sometimes travels up your throat. In some cases, this pain can be severe enough to be mistaken for a heart attack.

- Conventionally, acid reflux is thought to be caused by excessive amounts of acid in your stomach, which is why acid-blocking drugs are typically prescribed or recommended.
- This is a serious medical misconception that adversely affects hundreds of millions of people, as the problem usually results from having too little acid in your stomach.

What Causes Heartburn?



After food passes through your esophagus into your stomach, a muscular valve called the lower esophageal sphincter (LES) closes, preventing food or acid to move back up.

What Causes Heartburn?



Acid reflux occurs when the LES relaxes inappropriately, allowing acid from your stomach to flow (reflux) backward into your esophagus. But it's important to understand that acid reflux is not a disease caused by excessive acid production in your stomach; rather it's a symptom more commonly related to:

- Hiatal hernia
- Helicobacter pylori (H. pylori) infection (H. pylori bacteria is thought to affect more than half of the world's population, and has been identified as a Group 1 carcinogen by the World Health Organization)

Addressing Low Acid Production



As mentioned earlier, heartburn is typically a sign of having too little stomach acid. To encourage your body to make sufficient amounts of hydrochloric acid (stomach acid), you'll also want to make sure you're consuming enough of the raw material on a regular basis.

Addressing Low Acid Production



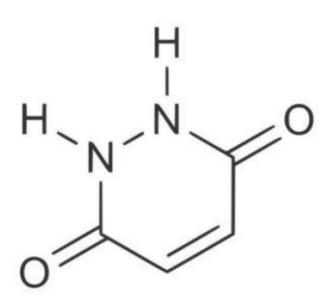
High-quality sea salt (unprocessed salt), such as Himalayan salt, will not only provide you with the chloride your body needs to make hydrochloric acid, it also contains over 80 trace minerals your body needs to perform optimally, biochemically.

Addressing Low Acid Production



Sauerkraut or cabbage juice is also a strong—if not the strongest—stimulant for your body to produce stomach acid. Having a few teaspoons of cabbage juice before eating, or better yet, fermented cabbage juice from sauerkraut, will do wonders to improve your digestion.

- You pick up a can or jar of food to read the label to see what the content ingredients are. You're satisfied, and make the purchase for your next meal. Sometimes, though, there is no list of ingredients – as when you buy an apple.
- You can tell whether the apple has been waxed, and you are aware there may be traces of pesticide you will need to wash off, but there are times when you may be totally unaware of what else has been applied to such a food item.
- Say for instance when you purchase a potato. Are you aware that after harvesting, the potatoes were probably sprayed with a chemical or chemicals? The potatoes may be in storage for four to six months or more.
- During that time, untreated potatoes would develop "eyes."



One obvious approach is to inhibit eye growth in developing potatoes while they are still in the ground. The currently popular chemical for the purpose is maleic hydrazide, also known as 1,2-dihydropyridazine-3,6dione. Growers must apply care in not applying the hydrazide too early, or fewer tubers will develop.

What Happens When You Cook These Chemicals?

At least one study indicates that residues of maleic hydrazide after cooking is not significantly different than levels before cooking. Residues of chlorpropham were a little less for cooked potatoes than for raw ones, however you'll eliminate most of the chemical if you remove the peelings, and avoid eating them.

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Water Treatment Products



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Food poisoning can usually be treated at home, and most cases will resolve within three to five days.





If you have food poisoning, it's crucial to remain properly hydrated. Sports drinks high in electrolytes can be helpful with this. Fruit juice and coconut water can restore carbohydrates and help with fatigue.

Avoid caffeine, which may irritate the digestive tract.
Decaffeinated teas with soothing herbs like chamomile, peppermint, and dandelion may calm an upset stomach.





- Over-the-counter medications like Imodium and Pepto-Bismol can help control diarrhea and suppress nausea.
- It's also important for those with food poisoning to get plenty of rest.

In severe cases of food poisoning, individuals may require hydration with intravenous (IV) fluids at a hospital. In the very worst cases of food poisoning, a longer hospitalization may be required while the individual recovers.

