How to Prevent Aspiration

This information explains what you can do to prevent aspiration when you’re eating, drinking, or tube feeding.

About Aspiration

Aspiration is when food or liquid goes into your airway instead of your esophagus. Your esophagus is the tube that carries food and liquid from your mouth to your stomach. Aspiration can happen when you’re eating, drinking, or tube feeding. It can also happen when you’re vomiting (throwing up) or when you have heartburn.

You may be at risk of aspiration if you have trouble swallowing. This is because food or liquid can get stuck in the back of your throat and go into your airway. Aspiration can lead to pneumonia, respiratory infections (infections in your nose, throat, or lungs), and other health problems.

Signs of aspiration

Signs of aspiration include:

- Coughing
- Choking
- Gagging
- Throat clearing
- Vomiting

You and your caregiver should watch for these signs before, during, and after you eat, drink, or tube feed.

If you have any of these signs, stop eating, drinking, or tube feeding. Call your
healthcare provider right away.

Preventing Aspiration

Follow these guidelines to prevent aspiration when you’re eating and drinking by mouth:

- Avoid distractions when you’re eating and drinking, such as talking on the phone or watching TV.
- Cut your food into small, bite-sized pieces. Always chew your food well before swallowing.
- Eat and drink slowly.
- Sit up straight when eating or drinking, if you can.
- If you’re eating or drinking in bed, use a wedge pillow to lift yourself up. You can buy a wedge pillow online or at your local surgical supply store.
- Stay in an upright position (at least 45 degrees) for at least 1 hour after you eat or drink (see Figure 1).

Figure 1. Sitting up at a 45-degree angle

- If possible, always keep the head of your bed elevated using a wedge pillow.

Follow these guidelines to prevent aspiration if you’re tube feeding:

- Sit up straight when tube feeding, if you can.
• If you’re getting your tube feeding in bed, use a wedge pillow to lift yourself up. You can buy a wedge pillow online or at your local surgical supply store.

• Stay in an upright position (at least 45 degrees) for at least 1 hour after you finish your tube feeding (see Figure 1).

• If possible, always keep the head of your bed elevated using a wedge pillow.

Contact Your Healthcare Provider if You Have:

• Any signs of aspiration, such as coughing or gagging
• A temperature of 100.4° F (38° C) or higher
• Shortness of breath
• Wheezing
• Painful breathing
• A cough with mucus

If you’re having problems breathing or any other emergency, call 911 or go to your nearest emergency room right away.

If you have any questions, contact a member of your healthcare team directly. If you're a patient at MSK and you need to reach a provider after 5:00 PM, during the weekend, or on a holiday, call 212-639-2000.

For more resources, visit www.mskcc.org/pe to search our virtual library.

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