

# Blowfish™ Nasogastric Tube (BNGT)

## Summary

Dr. Steven Leeds has invented the Blowfish™ nasogastric tube (BNGT), a novel device that addresses a common problem that affects many patients that are admitted to hospital. The unique design ensures constant negative pressure while providing adequate suction of the stomach contents, thereby greatly reducing the need for frequent monitoring and repositioning the tube by medical personnel. In addition to optimizing the delivery of safe and effective patient care, the BNGT increases productivity and frees up medical staff to attend to other patient needs, while optimizing the purpose of the tube's placement ensuring its function.

### Inventor

Steven Leeds, MD  
Surgeon

### Field

Surgery

### Technology

Nasogastric tube

### Key Features

- Nasogastric decompression
- Provides adequate suction without requiring monitoring
- Increases productivity

### Stage of Development

Prototype development

### Status

Available for licensing

### Patent Status

WO2016040444

### Contact

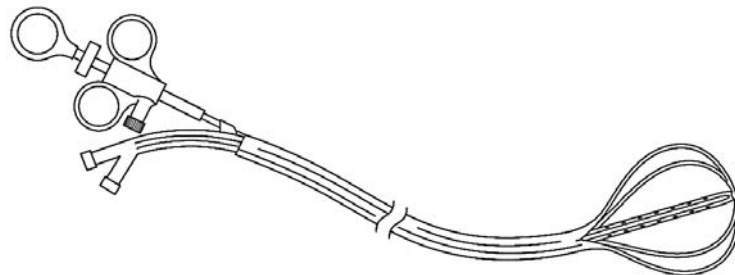
Melissa Acosta  
(214) 820-7528  
Melissa.Acosta@BSWHealth.org

### Market

It is well known that access to the stomach provides an advantage for care givers with patients that have gastrointestinal distress. This access provides the ability to aspirate contents of the stomach for decompression and provide nutrition or medications. For a surgeon, the most common use of a nasogastric tube is for small bowel obstruction. This occurs in about 3% of all open abdominal operations. In North America, there are about 300,000 hospital admissions annually for small bowel obstructions, accounting for 850,000 days of inpatient hospital care. These admissions cost about \$1.3 billion annually and small bowel obstructions account for about 2,000 deaths annually. One of the functions that is widely used when using a nasogastric tube is aspiration of stomach contents, also referred to as nasogastric decompression. However, maintaining the proper function of the tube is often challenging and time-consuming, which requires constant monitoring and repositioning the tube by medical personnel. Therefore, there is great need to develop novel nasogastric (NG) tube that can provide adequate suction without requiring monitoring.

### Technology

Our BNGT technology includes a plurality of deployable tines each coupled to the tube, where each tine is movable from a collapsed state to a deployed state. Unlike currently available devices, the unique BNGT design ensures constant negative pressure while providing adequate suction of the stomach contents, thereby greatly reducing the need for frequent monitoring and repositioning the tube by medical personnel.



For more information about Dr. Leeds, please check:

<http://surgeriespecialistsdallas.com/>