



Drinking Straw Aid

Meng-Shu Tsai (蔡孟書), Chia-Hui Hung (洪佳慧), Tzu-Pin Weng (翁滋嬪), Chis-Ying, Chung (鍾佳穎), Chih-Han, Chang (張芷涵)

A Strength-Saving and One-Way Regulation of

NEW DESIGN Straw

一個省力及單向調控液體的新吸管

Patients who suffer from neuromuscular diseases, daily suctioning can be problematic 臨床上神經肌肉疾病會影響病患吸吮能力

Instead, feeding by straw or sipping cup are often adopted as typical clinic practice.

臨床上改以滴管或水杯餵食,但是容易嗆到

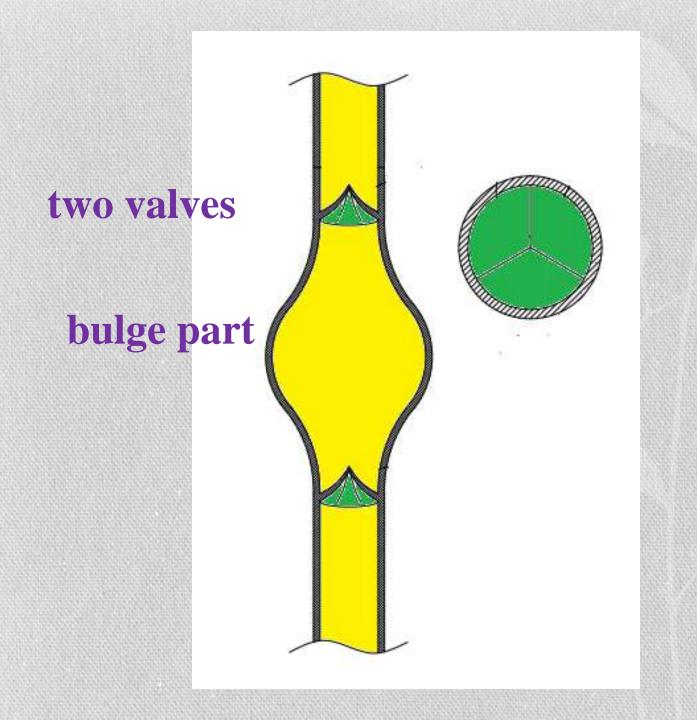
Heart One-Way Valve Skeletal Valve open Muscle Pumping Muscles Vein

direct flow from the limb toward the heart

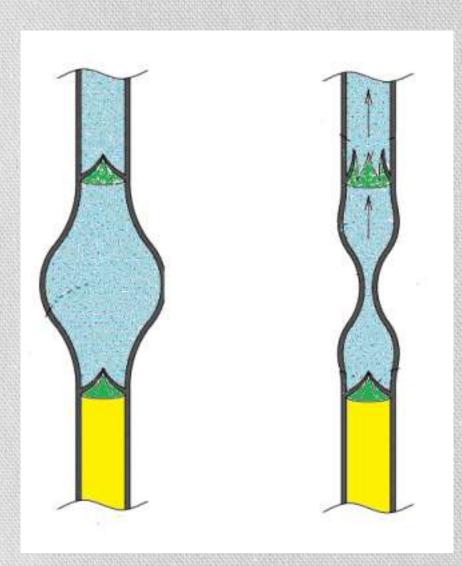


http://www.totalbodysurgical.net/blog/?Tag=chronic%2ovenous%2oin sufficiency

A New Design For Straw



bulge part



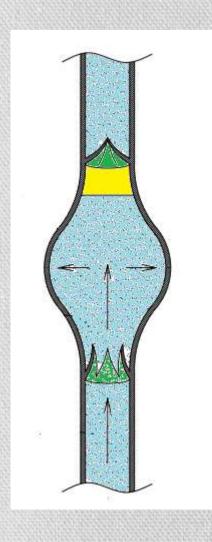
 to provide additional manual control

提供外在壓力

• when squeezed, the pressure moves the fluid upwards

擠壓時,將液體往上 運送

two valves



direct the fluid move only in one direction

控制液體僅往單向移動

retain the fluid in the straw without flowing back to the water cup

將液體阻斷於辦膜上,避免液體 回流至水杯 This structure is both strength-saving and hygiene can be used as the rehabilitation support for patients suffering from suction related disorder

本設計同時具有省力及衛生特點,可以提供病患復健或日常使用