

Infusing Emerging Technologies into Graduate Level Pathophysiology

Technology-Based Innovations in Graduate Nursing Education



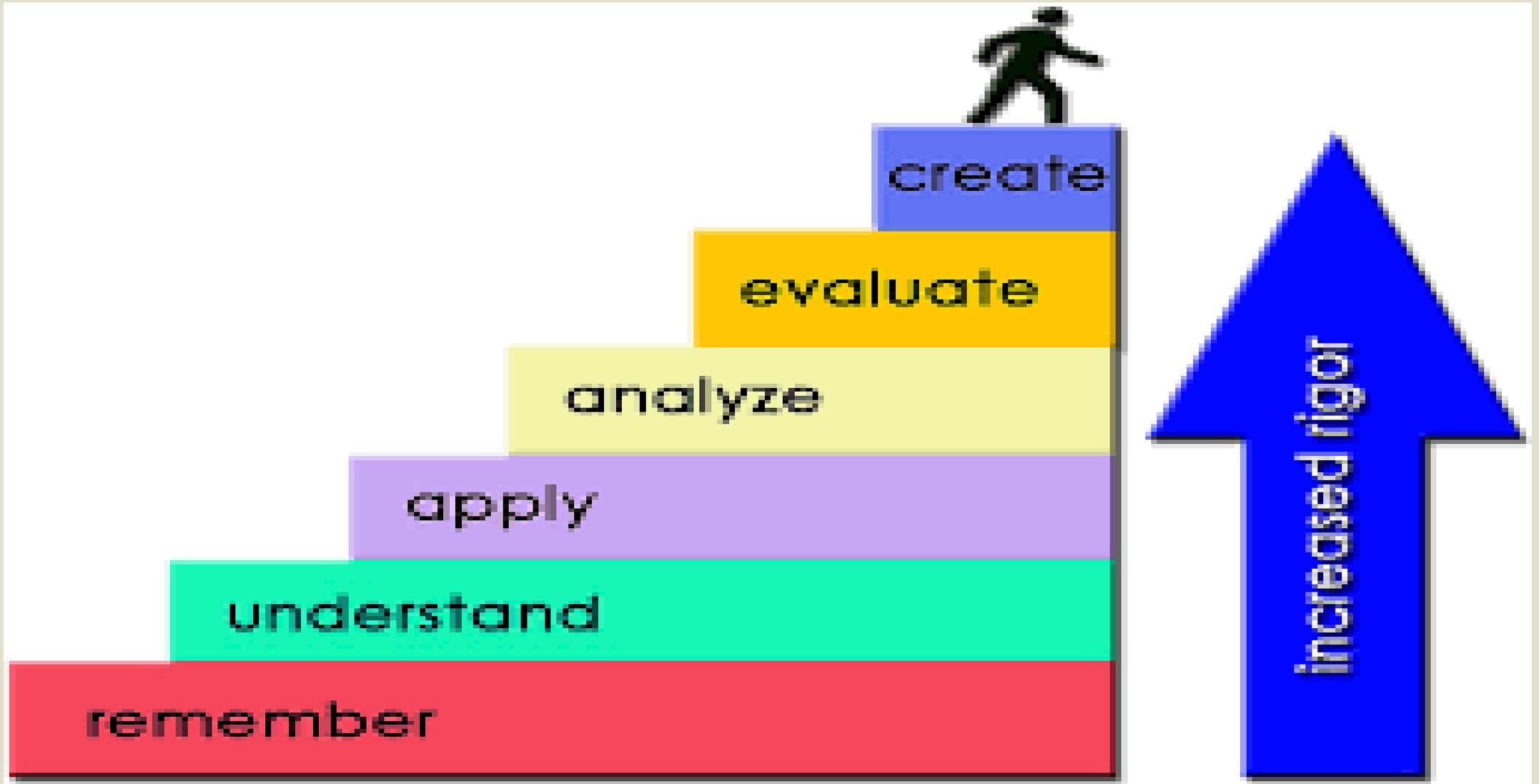
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COLLEGE OF TECHNOLOGY AT DELHI

Learning Objectives

- Identify effective teaching strategies for using educational technology tools in advanced pathophysiology.
- Demonstrate application of concept mapping and emerging medical technologies into a graduate nursing pathophysiology course.

Disclosure Statement

- There is no sponsorship or commercial support provided for this presentation.
- Commercial product names mentioned are not for endorsement of any specific product, but to provide the actual method and mechanism for the use of technology in graduate education.

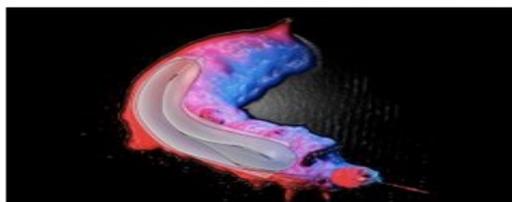


Assignment: Present an Emerging Technology

- Explore the Medgadget website (www.medgadget.com)
- Review an emerging technology of interest
- Develop a presentation in 6-8 slides to include:
 - Introduction of the technology
 - Medical condition the technology is meant to help
 - In-depth review of physiology or pathophysiology of disorder
 - How the technology might change the physiology or pathophysiology
- Record narration of presentation using technology of choice

MEDICINE

JULY 26TH, 2017

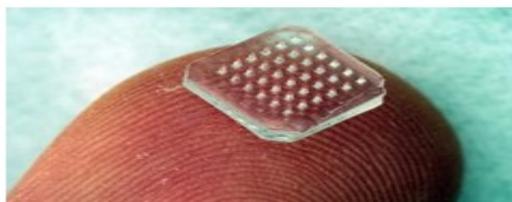


MEDICINE

Micro-Sized Silk Cocoons for Drug Delivery

An international team of researchers has used a microfluidic system to produce micro-sized silk capsules that could be used to deliver delicate proteins or drugs in the body. They extracted silk proteins directly from the glands on silkworms and...

JULY 21ST, 2017



MEDICINE

New, More Effective Flu Vaccine Delivered Using Dissolvable Microneedle Patch

Researchers at Georgia State University have developed a more effective way of delivering influenza vaccines thanks to a dissolvable microneedle array and a special formulation of the vaccine. The microneedle device is made of a biocompatible...

JULY 20TH, 2017



MEDICINE

Non-Invasive gammaCore Device to Fight Pain of Cluster Headaches Released in U.S.

The gammaCore non-invasive vagus nerve stimulator from electroCore, a Basking Ridge, New Jersey company, is now available for adult patients to treat acute pain arising from episodic cluster headaches. Currently only available with a doctor's...



Worst Foods for Digestion



Cut a bit of belly bloat each day, by avoiding these 3 foods



MMCS 2017
1st Molecules Medicinal Chemistry Symposium
 8 September 2017, Barcelona

Emerging Drug Discovery Approaches against Infectious Diseases

INTERVIEWS & REVIEWS



Review of LifeBEAM Vi Headphones: Where Artificial Intelligence Meets Personal

EXCLUSIVE

A-I

E-I

M-N

O-P

R-V

ANESTHESIOLOGY

ART

CARDIAC SURGERY

CARDIOLOGY

CRITICAL CARE

DENTISTRY

DERMATOLOGY

DIAGNOSTICS

NANOMEDICINE



Flexible Skin Worn Electricity Generator Powered by Sweat

Integrated Heart/Cancer on a Chip Helps Discover Side Effects of Drugs

AUGUST 28TH, 2017 BY EDITORS

ONCOLOGY



PRESS RELEASES



Dr. Wenyuan Shi Appointed CEO and Chief Scientific Officer of The Forsyth Institute

Researcher, entrepreneur and world-renowned microbiologist to lead Forsyth team forward as the leader in



Innovation Zed Explores New Models of Healthcare With the NHS in England

Dublin, Ireland, August 25, 2017 – Innovation Zed (www.innovationzed.com), an Irish medtech company, today announced that it has



TiMOTION Introduces



Sleep Apnea Device

1mm Adjustability for Max Comfort. SnoreRx Doctor Trusted & Approved!

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The 7th

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Muscat, Sultanate of Oman

INTERVIEWS & REVIEWS



SoClean Disinfects CPAP Equipment: A Medgadget Review

MEDICINE

RADIOLOGY

CARDIOLOGY

SURGERY

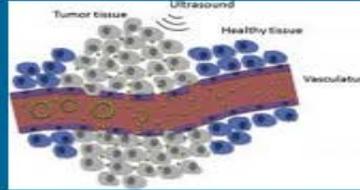
NANOMEDICINE

MILITARY MEDICINE

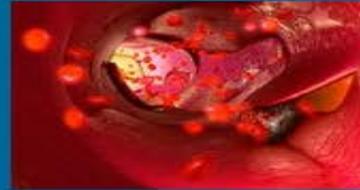
REHAB



Flexible Skin Worn Electricity Generator Powered by Sweat



Ultrasound and Microbubbles for Targeted Chemotherapy Delivery



Plasmonic Lasers Find, Destroy Circulating Tumor Cells to Prevent Metastasis



New Sugar Molecule Sticks to Tumors, Delivers Drugs

Flexible Skin Worn Electricity Generator Powered by Sweat

Integrated Heart/Cancer on a Chip Helps Discover Side Effects of Drugs

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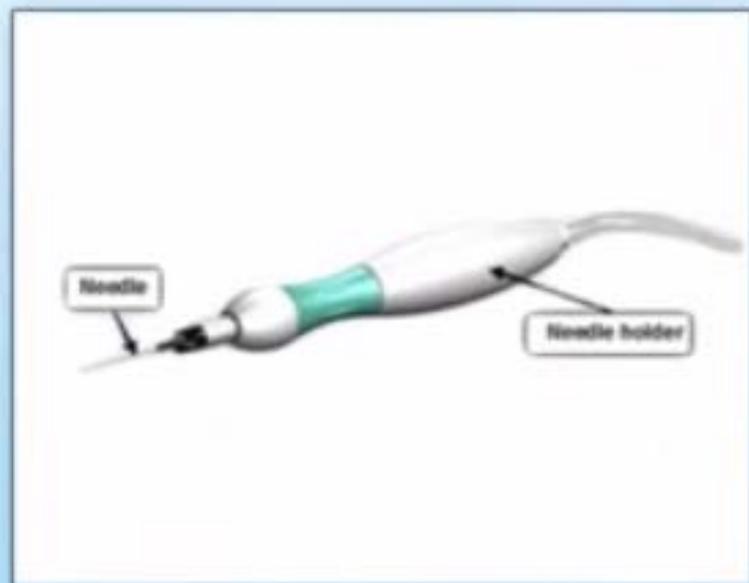
INTERVIEWS & REVIEWS



SoClean Disinfects CPAP Equipment: A Medgadget Review

β Air Artificial Pancreas

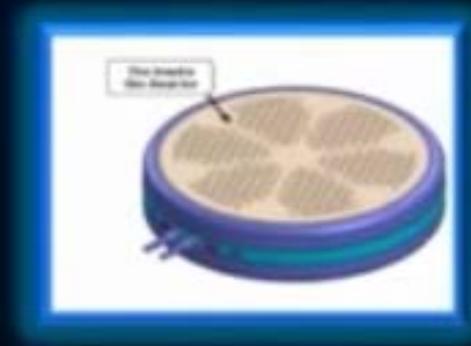
β Air: BETA O₂ TECHNOLOGIES



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to Beta o2 Technologies

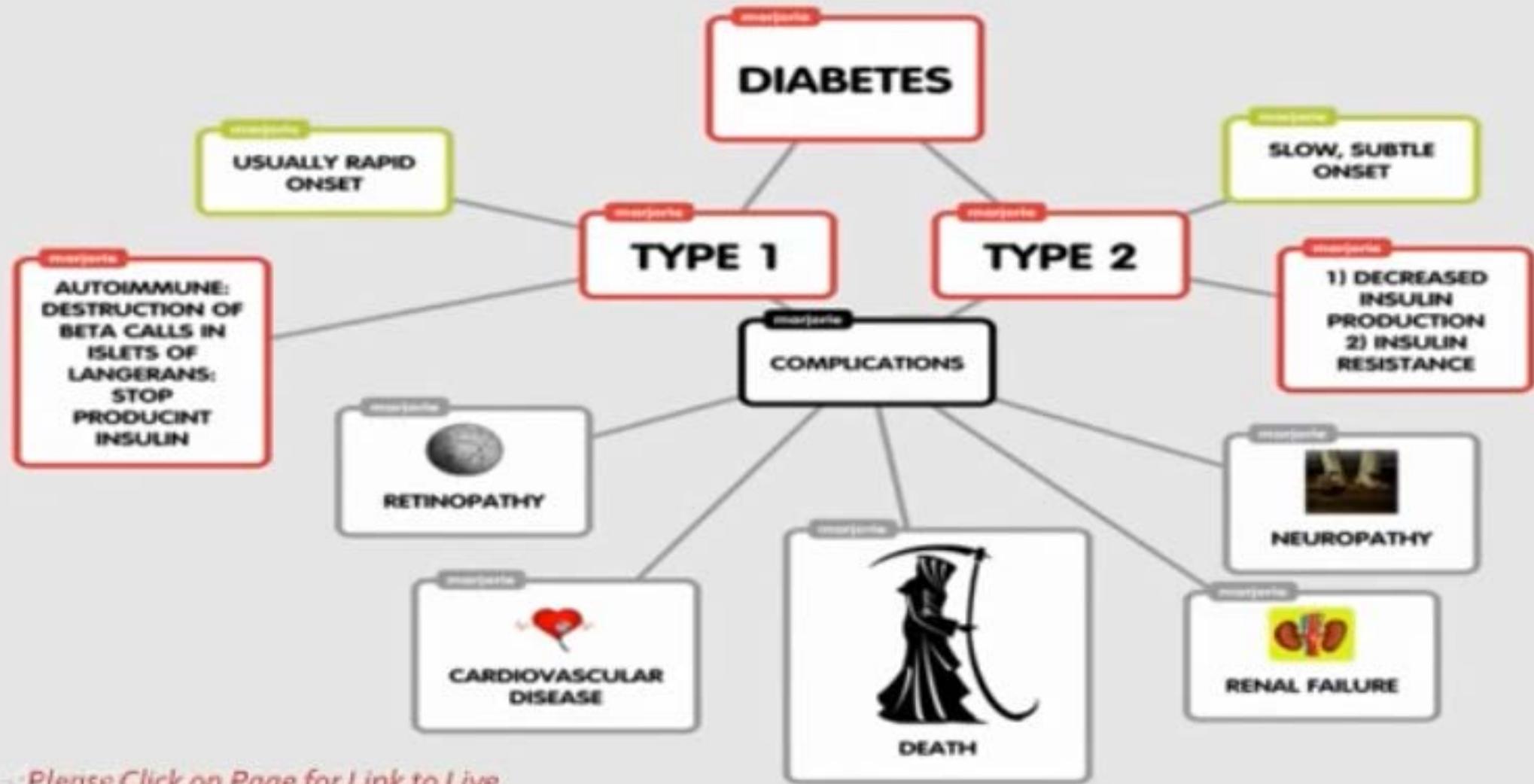
The β Air Artificial Pancreas: Potential Gamechanger for Management of Type 1 diabetes



- Eliminates Need for Immunosuppressive Therapy
- Greater Longevity of Transplanted Cells (Fewer Donor Cells Required)
 - Significant Lifestyle Changes
- Tighter Glucose Control (Reducing complications)
 - Cardiovascular Disease
 - Retinopathy
 - Renal Disease
 - Neuropathy
- Recipients Can Eat What They Like without Counting Carbs
- Recipients Can Exercise Without Planning Ahead

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@brainshark Popplet

Assignment: Present a Multi-System Disorder

- Create a mind-map that examines the development of a multi-system disorder.
 - Explain the development of the disorder
 - The systems impacted
 - Current interventions
- Include videos, images or other media, along with notes and links between concepts

popplet: Heart Failure

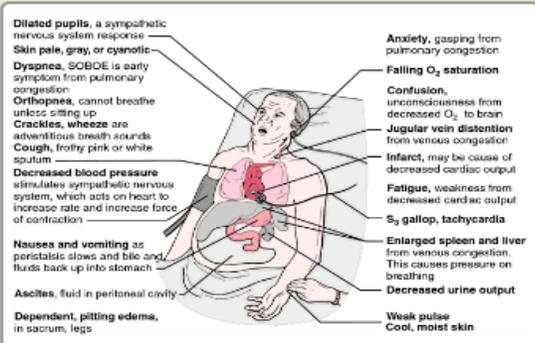
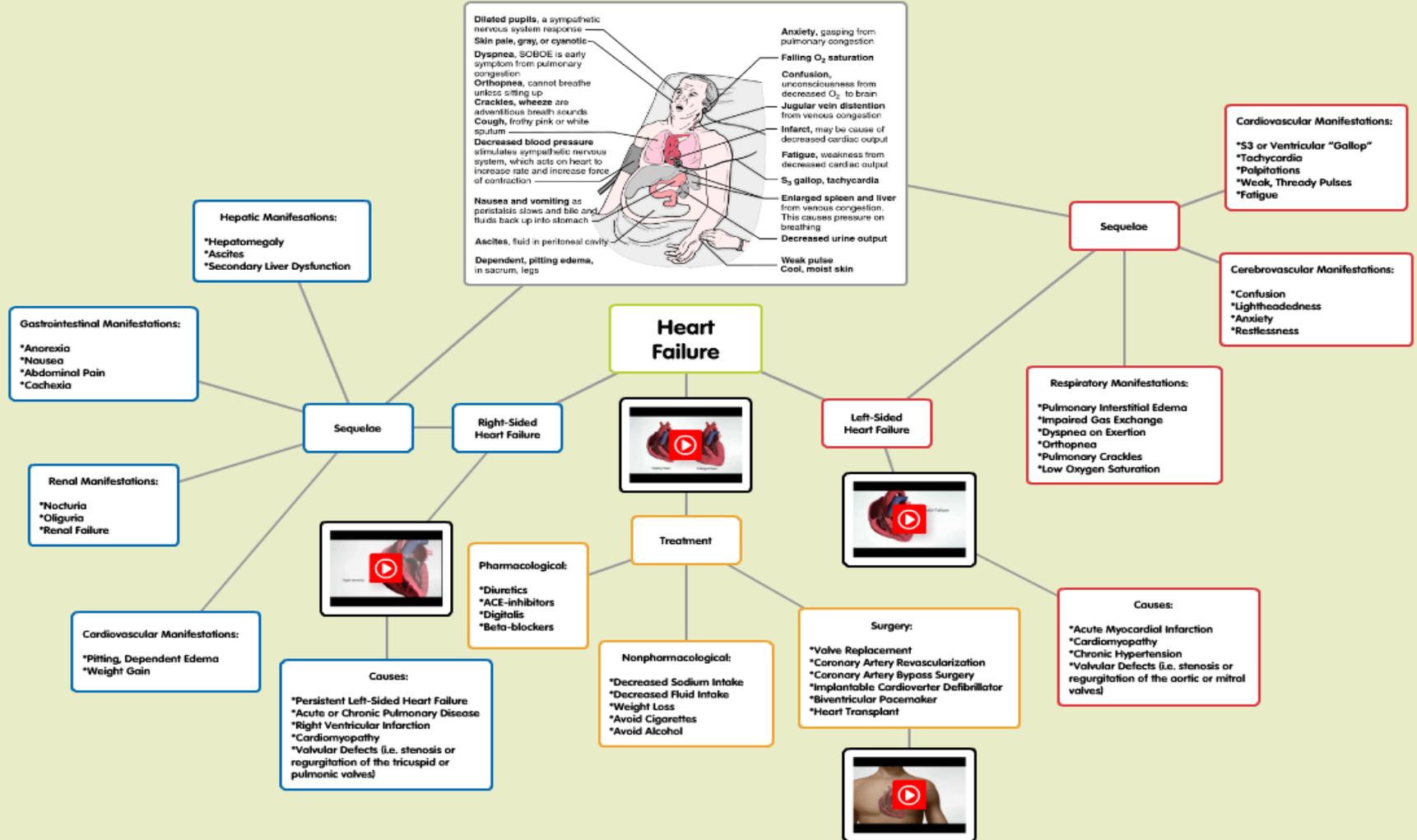
home

view all

zoom



what's popplet?



Student Evaluation

“What an amazing website Medgadget was. The website covered all kinds of emerging healthcare technologies. When first reviewing the website, it was overwhelming to consider that much of this technology could be in my work environment in the near future. This made me think about how nurses (and my future students) are going to need to learn about all this technology”

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