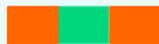




Emergency Blood Services For Satellite Surgical Centers

Sean Tucker MS(ASCP) MBA
Shawnee Mission Medical Center



Start
how do we get blood through all the hoops in a satellite facility
fast



Pre-Op Testing Dilemma
Obstacle 1



Obstacle 1

- Identifying the Who and Why/When
- Tracking down the test facility
- Verifying location of collection site
- Ensuring tests and tracking capabilities are in place
- Understanding impact of transportation

Special Cases: Special services
Preparing ahead ASD backlogs
Shipping & Storage
Communicating with surgeons/hospitalists



Obstacle 2
Special Case Requests



Obstacle 3
Emergency MTP

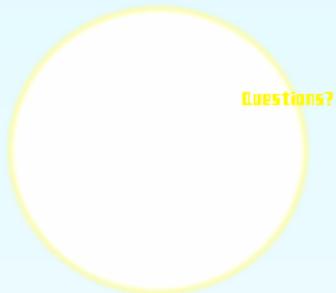
Case Study

17 year old male with 1000 cc blood loss...
Emergency blood transfusion...
Time: 15 min



Goal

- Intro to Blood Bank Service
- Costs contained
- Patient Care Improved
- Expansion of Surgical Services
- Prepared for Emergency Response

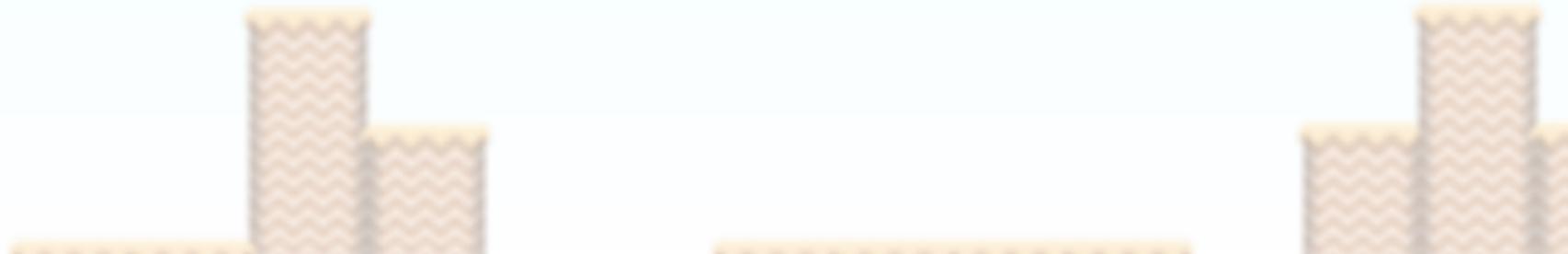
Questions?



Emergency Blood Services

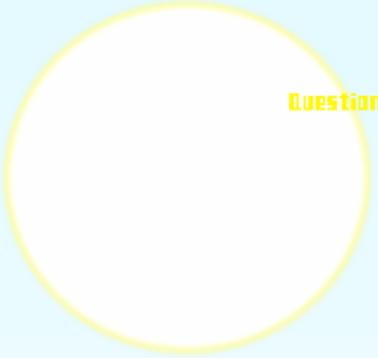
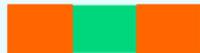
For Satellite Surgical Centers

Sean Tucker *MLS(ASCP) MBA*
Shawnee Mission Medical Center



Blood Services Surgical Centers

MBA Center



Questions?

Special Cases: Special
 Preparing ahead: Reticular
 Shipping & Storage: ABO Rechecks
 Communicating with Surgeon/Anesthesia

Obstacle 2 Special Case Requests

Obstacle 3 Emergency MTP

Goal

- Intro to Blood Bank Service
- Costs contained
- Patient Care Improved
- Expansion of Surgical Services
- Prepared for Emergency Response

Case Study

52 year old Male
 2000 Genetic Epinephrine
 Preoperative Laboratory: Positive indirect Coombs test
 Transfusion Reaction: Anaphylactic shock
 Patient received another transfusion and transfused to H&C
 20 minutes in PACU, patient presented with: Hypotension, tachycardia, dyspnea, & airway obstruction

Urgent transfusion for bleeding: MTP initiated
 Individual and approach for transfusion
 workflow & transfused to PACU

time line

Start

How do we get blood through all the hoops safely?
 to a satellite facility
 our patterns need it fast

Pre-Op Testing Dilemma

Obstacle 1

- Identifying the Special Populations
- Fixing issues for lab testing
- Streamlining order of communication
- Training to be and involving competitors
- Streamlining transport & storage issues



Prairie Star Surgical Center

Standalone ED with STAT Lab
Limited Blood Bank Services

Add Bariatric and Spinal Surgeries
Surgeons want blood available



Start

how do we get blood
through all the hoops
safely
to a satellite facility
when our patients need it
fast

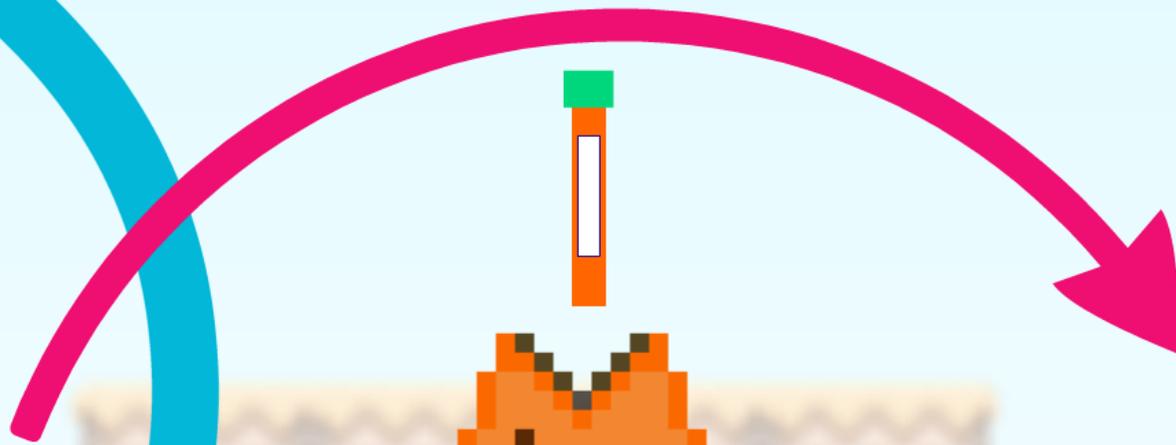


A pixelated orange bird-like creature with a large, bushy head and a small body, standing on a brown brick platform. The background is a light blue sky with a large blue arc on the left and a brick wall on the right. The creature is surrounded by small blue and green squares.

Pre-Op Testing Dilemma

Obstacle

S



- Educating the RNs a
- Finding Room to add testing
- Breaking down silos of co
- Training techs and modifying comp
- Understanding transp

Pre-Op Testing Dilemma

Obstacle 1



Educating the RNs and Physicians

Finding Room to add testing



Breaking down silos of communication

Training techs and modifying competencies



Understanding transport & storage issues

Less Centers

Special Cases: Spinal
Bariatric

Preparing ahead

Shipping & Storage

ABO Rechecks

Communicating with Surgeon/Anesthesia



Obstacle 2 Special Case Requests



- Educating the RNs and Physicians
- Finding Room to add testing
- Breaking down silos of communication
- Training techs and modifying competencies
- Understanding transport & storage issues



Special Cases:

Spinal

Bariatric

Preparing ahead



ABO Rechecks

Shipping & Storage

Communicating with Surgeon/Anesthesia

Obstacle 3

Emergency MTP

Case Study Jan 11, 2013

52 year old Male
2010 Gastric Bypass - 100 lbs lost

Exploratory Laparoscopy: consistent abdominal pain with insignificant ultrasound and colonoscopy
Exploration found tumor/mass next to small bowel
Tumor resected without incident and transferred to PACU

30 minutes in PACU, patient presented with: hypotension abdominal distention & decreased Hgb

Urgent reexploration for bleeding: MTP Initiated
colloid and crystalloid for resuscitation
stabilized & transferred to SMMC

time line

Goal



Intro to Blood
Patient Care Im
Expansion
Prepared for Emerg



Emergency

Case Study

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Goal

Intro to Blood Bank Service

Costs contained

Patient Care Improved

Expansion of Surgical Services

Prepared for Emergency Response



Questions?