Green Dialysis for a Greener Tomorrow:

Environmentally Conscious Dialysis Therapy

Rejean Quesnelle
Renal Technologist – Halton Healthcare Services
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What is Green Dialysis?

• A treatment model that is:
  • Sustainable
  • Environmentally Sound
  • Ethical
  • Profitable (& Fiscally Minded)
• Meets G – Rating Requirements: Good For People, Planet, & Pocketbook
• Can you learn how to be green in 45 min? **YES!**

• Can I teach you everything about Green Dialysis Today? **NO**
Here’s The Trash

- The Evidence
- The Current Problems
- The 360 Program
- The New Plan
## How We Differ?

<table>
<thead>
<tr>
<th>Canada</th>
<th>United States</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reuse Programs -1</td>
<td>Reuse Programs – 1000+</td>
</tr>
<tr>
<td>Concentrate Delivery–jugs</td>
<td>Concentrate Delivery– central delivery</td>
</tr>
<tr>
<td>Publically funded model</td>
<td>For Profit Model (primarily)</td>
</tr>
<tr>
<td>Hospital based units</td>
<td>Clinic based facilities</td>
</tr>
<tr>
<td>Patient care- Nurses</td>
<td>Patient Care - PCT</td>
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The Healthcare Waste Dilemma

The Evidence
Healthcare Waste

Canada = 440 lbs/yr
US = 1763 lbs/yr
US Hospitals = 6.6 million tons of waste/yr
= Hoover Dam or 8 fully loaded 747 planes
• 24 Stations = 144 patients
• ~5 lbs/pt = 780 lbs/yr/pt
• Entire unit = 112,320 lbs or 56.16 tons
• Hospital solid waste (2009) = 550 tons
  • or 1,093,493 lbs
• dialysis waste = 10% of hospital’s waste
How Did We Get Here?
The Problems

- The Global Footprint
- Corporate Involvement
  - Lack of Responsibility/Accountability
  - Economics = Profit
- Lack of Personal Commitment
- The Price We Pay
- The Wrong Plan
...the bottom line
So What's The SOLUTION
The 360 Program

Change your **THINK**
Change the **WORLD**
Step 1 – Know Your Trash

Ask the following Questions??

1) How do we currently manage our waste/recycling?
2) Where can we improve?
3) What can we change?

Finally: Do a waste audit
Step 2 – Rethink the Approach

THE NEW R’s

- Reinvent
- Recover
- Resell
- Replace
- Redefine
- Reward
- Regain
- Redistribute
- Redesign
- Reintroduce

- Rebuild
- Redevelop
- Respect
- Renew
- Recharge
- Rethink
Step 2 - Learn to R.E.A.D.

- **R**ealize the issue
- **E**xamine the problem
- **A**ssess your options
- **D**etermine action
Step 3 – Positive Intentions

- Engage
- Educate
- Expand
- Enroll
- Excite
- Encourage
- Effective
- Energize
- Entertain

The POWER of the Individual
Step 4 – Keep it Round

• Translating Vision Into Action
• Form a Green Team
• Apply Waste Strategies: Lean Six Sigma, ISO 14001, Zero Waste
• Design a Green Materials Management System (Environmental Purchasing Policy)
• Waste = Food
Step 5: The New Action Plan

Create a New Work Environment by:
• Taking Inventory
• Knowing your waste
• Applying New Think
• Tackling the Low Hanging Fruit
• Keeping It Simple
• See The Results
Saving The Bottom Line
Regular Trash

WastAway

EcoGlove

Vernacare
Regulated Waste and Sharps

An evolution in medical waste treatment and repurposing that creates a new resource!

Introducing PELLA-DRX™
Other Ways to Stop Waste

• Free battery disposal

• Litterless Lunch/ Boomerang program

• Sell used equipment- Gia Medical

• Silent auction

• **Donate** – Remedy Program (Yale), American Medical Resource Found.

• **Stop It First!**
Your Dollar Solutions
Recyclables

• Sell your Cardboard & Boxboard for $$$
Recyclables

• Look for other recycling options for commodities: Fine Paper, Plastic Jugs, Acid drums, Bicarts, etc.

http://www.epa.gov/epahome/whereyoulive.htm
From Trash to Cash

- There's gold in that there junk
- Waste to commodities program - $ for motors, wire, etc.
- Fundraising – Cell Phones, ink & toner cartridges, cameras, etc.
The Road Ahead

- Equipment Design
- Corporate Initiatives
My Personal WHY?
The Last Trash

- Live your new THINK
- Keep R.E.A.D.ing
- Embrace the Intentions
- Get in the LOOP
- Cultivate a New Waste Image

Change will come and has already begun.
When the people lead, the leaders will follow  - Gandhi

If each one of us does our part, we can build a new future for healthcare  - Myself
What Impact Will You Have?
Contact information:

Rejean Quesnelle
Email: regq101@gmail.com
Phone: 905-845-2571 x6857
QUESTIONS???