

## BLADDERSCAN COST JUSTIFICATION - 8 Bladderscans

<b><u>OPERATIONAL DATA</u></b>	<b><u>AVERAGE</u></b>
A) AVERAGE DAILY # OF PATIENTS REQUIRING CATHETERIZATION.	4
B) AVERAGE # OF CATHETERIZATIONS PER PATIENT, PER DAY.	1
C) # OF CATHETERS USED PER YEAR. (A x B x 365)	1460
D) % OF CATHETERS DETERMINED UNNECESSARY BY USING THE <b>BLADDERSCAN</b> . <i>D. Moore, K. Edwards(1997)MEDSURG Nursing</i>	50%
E) ANNUAL CATHETERIZATIONS AVOIDED BY USING THE <b>BLADDERSCAN</b> (C x D)	730
F) INDICATED RATE OF UTI PER CATHETERIZATION. (If unknown, use 3%)	2%
G) INDICATED # OF UTI's AVOIDED BY USING THE <b>BLADDERSCAN</b> (E x F)	15
H) INSTITUTIONAL COST OF TREATING A Urinary Tract Infection Includes: 1. Additional Hospital stay. _____ 2. Medical supply/equipment. _____ 3. Lab Fees. _____ 4. IV supplies and other medicines. _____ <i>Disease Control(1993)Atlanta, GA*</i> _____ <i>Centers for</i> Total Cost Per UTI	\$ 1.000
I) ANNUAL SAVINGS IN Urinary Tract Infection Treatments (G x H).	\$ 23.000
J) COST OF DISPOSABLE CATHETER.	\$ 2
K) ANNUAL SAVINGS OF DISPOSABLE CATHETERS AVOIDED ( J x E).	\$ 1.460
<b>L) Total Annual savings from using 1 BladderScan (I + K).</b>	<b>\$ 24.460</b>
<b>M) Total Annual Savings from using 8 BladderScans ( 8 x L )</b>	<b>\$ 195.680</b>
N) Investment for 8 BladderScans and Rolling Carts .	<b>\$ 88.000</b>
<b>O) PAYBACK PERIOD IN MONTHS(N divided by M) x 12</b>	<b>5,4</b>