

# BLADDERSCAN COST JUSTIFICATION

<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. _____ <span style="float: right;"><i>Centers</i></span> <i>for Disease Control(1993)Atlanta, GA*</i> <span style="float: right;">Total Cost Per UTI</span>	\$ 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 COST SAVINGS FROM USING THE <b>BLADDERSCAN</b> (I + K).</b>	<b>\$ 24.460</b>
M) Investment for BladderScan BVI 6100 and ScanPoint.	<b>\$ 8.583</b>
<b>N) PAYBACK PERIOD IN MONTHS(<u>M</u> divided by <u>L</u>) x 12.</b>	<b>4,2</b>