

Cost-effective Analysis: Post-surgical Pain Control

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Post-surgical Pain Control

The control of pain is important to the overall recovery of the patient.

Pain Control Options

- Guided imagery
 - a mental process involving a sensory quality that is used therapeutically
- Hypnosis
 - the use of altered states of consciousness
- Biofeedback
 - a method using monitoring instruments to feed back to patients' physiological data that normally would not reach their conscious awareness

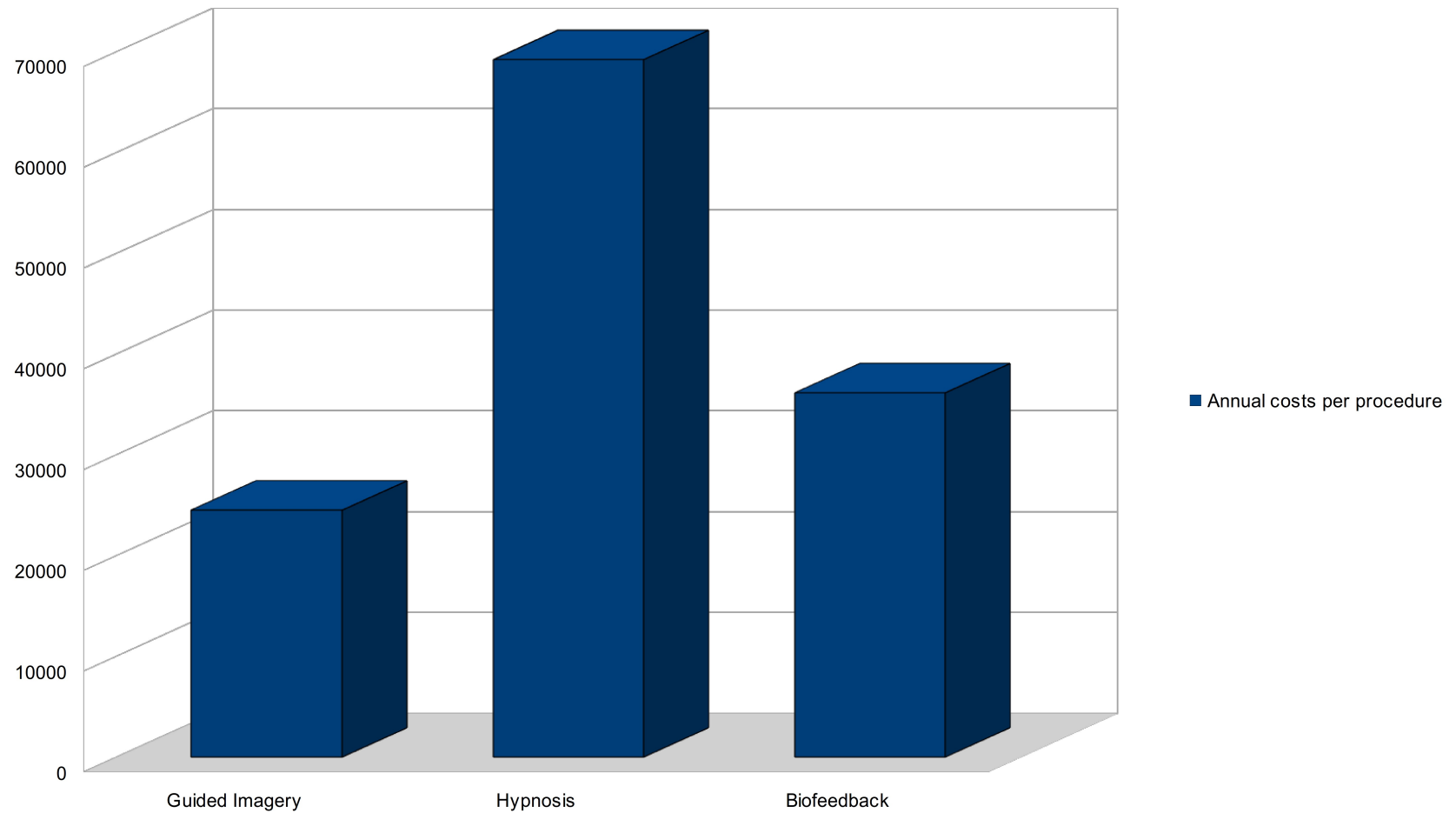
Similar Benefits

- Guided imagery
- Hypnosis
- Biofeedback
- Effective in pain management
- Low risk
- Increased patient satisfaction
- Reduced LOS
- Reduced use of post-surgical care

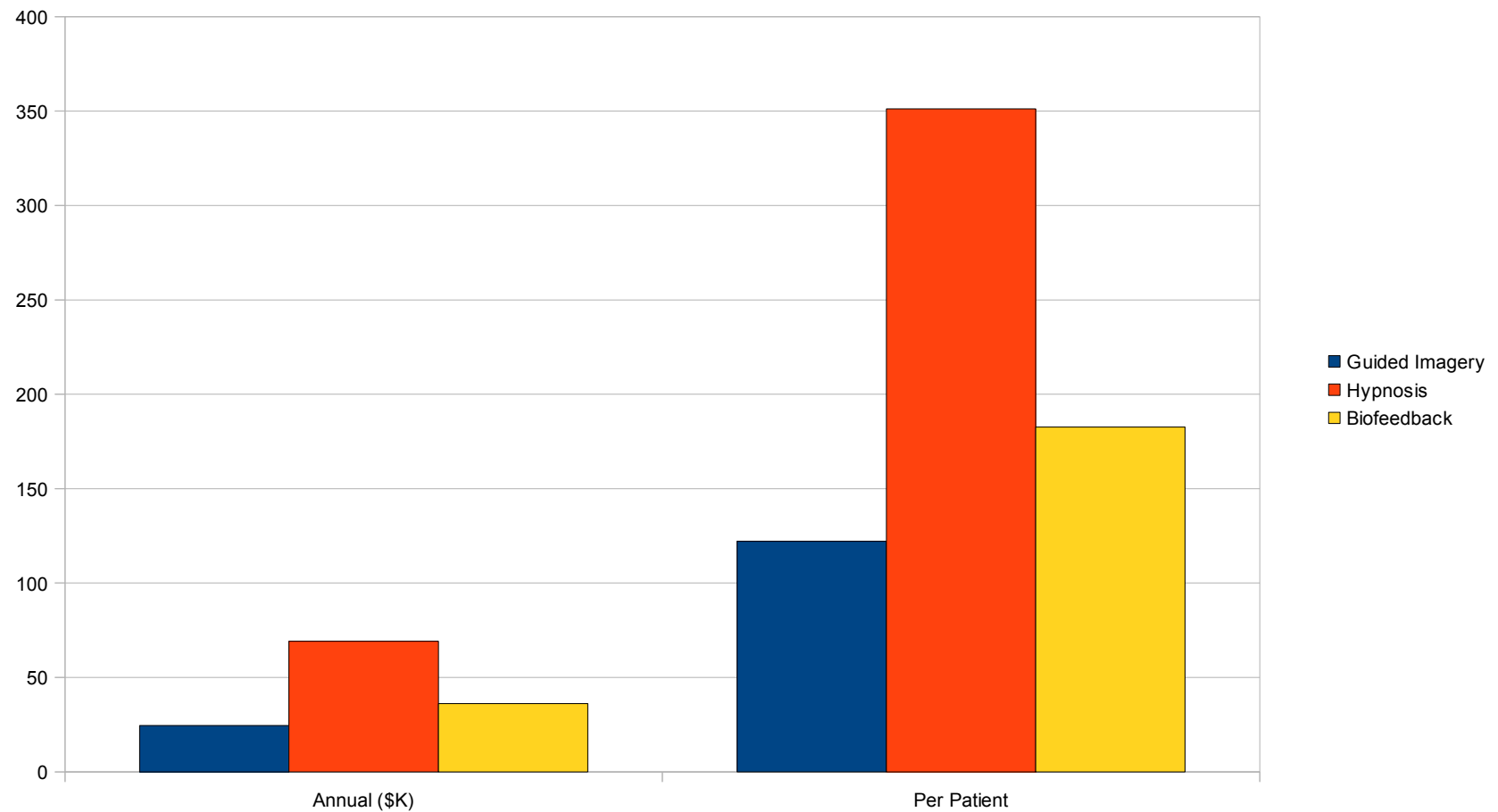
Costs

- Guided Imagery
 - \$24,530.00 / yr (\$122.08 / pt.)
- Hypnosis
 - \$69,215.00 / yr (\$351.25 / pt.)
- Biofeedback
 - \$36,165.00 / yr (\$182.57 / pt.)

Annual Total Costs



Costs – Annual and Per Patient



Impact on Price

Procedure	(n)	Guided Imagery	Hypnosis	Biofeedback
Spinal fusion	111	+ 1.8%	+ 5.2%	+ 2.7%
Total Hip Replacement	83	+ 1.9%	+ 5.4%	+ 2.8%
Auto Hema Stem Cell Transplant	3	+ 0.2%	+ 0.5%	+ 0.2%
Total	197	Avg: + 1.3%	Avg: + 3.7%	Avg: + 1.9%

Cost Efficiency Analysis

- Shared costs per department
 - Guided Imagery
 - \$8,177 / yr
 - Hypnosis
 - \$23,072 / yr
 - Biofeedback
 - \$12,055 / yr

Recommendations

The recommendations per the cost-efficiency analysis, assuming similar benefit of the three interventions compared, is clearly:

Guided Imagery