



Site Image Management Profile For:

**Chiropractic**

Prepared by: Trip Hale

## CR vs Film Worksheet

**The attached proforma provides a detailed business case comparison between film-based and filmless medical imaging operations.**

Site volume data, images per exam, retake rate, lost film

Film/chemistry expenses

Space allocation costs, equipment, dark room, film storage

CR Equipment, software, network, maintenance costs

Per study resources physicians, technologist, support staff

Final comparison film based, CR projected savings.

**Note: Items in red are client-specific variables to be modified.**



## Site Information

### Film Based Operation

Dailey procedure volume	4
Annual procedure volume	1,040
Images per Exam	4.0
Retake Rate	10.0%
Lost Film Rate	5.0%

Total Annual Images 4,784

Total Printed Images 4,784

### CR Based Operation

Dailey procedure volume	4
Annual procedure volume	1,040
Images per Exam	4.0
Retake Rate	0.0%
Lost Film Rate	0%

Total Annual Images 4,160

Total Printed Images 4,160



## Material

### Material Expense (per sheet)

	Film Based Operation		CR Filmless Operation % used		
Film	1.00				
Chemicals/Water	0.45	CD/DVD's	40%	0.25	416.00
<b>Total consumable cost per Exam</b>	1.45				
<b>Annual Expense</b>	<b>6,936.80</b>			<b>416.00</b>	



## Facilities

### Facilities Requirements

Film Based Operation				Filmless Operation			
	<u>Sq Ft</u>	<u>\$/Sq Ft</u>	<u>Total</u>		<u>Sq Ft</u>	<u>\$/Sq Ft</u>	<u>Total</u>
Imaging Equipment	100	100	10,000	Imaging Equipment	100	100	10,000
Dark Room	30	100	3,000	CR scanner	10	100	1,000
Printers	10	100	1,000	Digital Archive / Server	10	100	1,000
Film Storage	150	100	15,000	Soft Copy Review Station	30	100	3,000
Film Review Station	20	100	2,000				
Total, Film	310		31,000	Total, FFDM	150		15,000



## Equipment

Equipment	<u>Film-Based Operation</u>	<u>CR Filmless Operation</u>	
<b>Capital Costs</b>			
X-Ray Equipment			
Acquire Software	-		
PACS system	-		
Additional Workstations	-		
Laser Printers	-		
Processors	4,200		
Additional Cassettes	3,000		
DR Units	-	65,700	
Network Infrastructure Costs	-	-	
<b>Total Capital Costs</b>	<b>7,200</b>	<b>65,700</b>	
Depreciation Years	5.0	5.0	
Depreciation Expense, Annual	1,440	13,140	Straight Line 12% of Capital Purchase
Maintenance, Annual	1,200	7,884	
<b>Total Annual Expense</b>	<b>2,640</b>	<b>21,024</b>	



**Preforma Image Management Summary For:**  
Chiropractic

Results **0**

Exams:	\$/Study			Images:	\$/ Image		
	Film Based Operation	CR Filmless Operation			Film Based Operation	CR Filmless Operation	
1,040				4,160			
Material	6.67	-		Material	1.67	-	
Facilities	29.81	14.42		Facilities	7.45	3.61	
Equipment	2.54	20.22		Equipment	0.63	5.05	
Resources	-	-		Resources	-	-	
<b>TOTAL</b>	<b>39.02</b>	<b>34.64</b>		<b>TOTAL</b>	<b>9.75</b>	<b>8.66</b>	
<b>Savings</b>		<b>(4.38)</b>		<b>Savings</b>		<b>(1.09)</b>	

Annual Expense		
	Film Based Operation	CR Filmless Operation
Material	6,937	-
Space	31,000	15,000
Equipment	2,640	21,024
<b>TOTAL</b>	<b>40,577</b>	<b>36,024</b>
<b>Annual Savings</b>	-	<b>4,552.80</b>