

# 근치적 전립선적출술 Radical Prostatectomy

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Sung Joon Hong, M.D.

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Department of Urology

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Yonsei University College of Medicine, Severance Hospital

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E - mail : sjhong346@yumc.yonsei.ac.kr

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## Abstract

Radical prostatectomy is mainly performed for the treatment of localized prostate cancer thanks to the early diagnosis using diagnostic tools, such as digital rectal examination, prostate specific antigen (PSA), transrectal ultrasonography and prostate biopsy. Retropubic approach or perineal approach can be used for open radical prostatectomy. Recently laparoscopic radical prostatectomy has become an acceptable alternative to open surgery. Indications for radical prostatectomy, the advantages and disadvantages of the each method, results of operation, complications and post-operative follow up will be described in this article.

Keywords : **Radical Prostatectomy;**  
**Prostate Cancer**

70~80%가  
,  
(prostate specific antigen, PSA) ,  
가 ,  
가

가 ,  
,  
,  
:  
, 가 70  
가 10

(2).

가

가

가 , PSA가 10 ng/ml , (3).  
 Gleason score가 8 14

가 (2)

가

6~8 ,  
 12 가

가 가

가

1.

1)  
 (1) (4).  
 1947 Millin Campbell  
 Walsh(1982) 가  
 (1). , PSA 가 10 ng/ml , Gleason score가 7  
 1 cm 가 (2% )  
 (5).

가 2)

1, 2 (6).

1.

	Perineal(233 pts.)		Retropubic(51 pts.)		p values
	Median	Range	Median	Range	
Preoperative hematocrit(%)	43	(33~54)	42	(33~53)	0.845
Postoperative hematocrit(%)	36	(26~44)	34	(22~43)	0.012
Low hematocrit(%)	32	(24~41)	28.5	(23~41)	<0.001
Estimated blood loss(cc)	565	(150~1,850)	2,000	(600~10,000)	<0.001
Transfusions(No. units)	0	(0~4)	3	(0~27)	<0.001
Operative time(min)	203	(135~355)	225	(150~500)	0.001
Anesthesia time(min)	268	(185~435)	280	(190~555)	0.192
Hospital days	12	(6~27)	10	(7~20)	0.005
Catheter days	11	(8~42)	18	(10~86)	0.001
Weight of specimen(gm)	31.6	(7.2~106.8)	35	(12.4~95.5)	0.230

Frazier HA, Robertson JE, Paulson DF. Radical prostatectomy : The pros and cons of the perineal vs. retropubic approach. J Urol 1992 ; 147 : 888 - 90

2.

	Perineal (122 pts)	Retropubic (51pts)	p values
Bladder involvement	21%	18%	0.591
Urethral involvement	25%	27%	0.696
Seminal vesicle involvement	23%	29%	0.373
Capsular penetration	43%	39%	0.682
Positive surgical margins	29%	31%	0.803

Frazier HA, Robertson JE, Paulson DF. Radical prostatectomy : The pros and cons of the perineal vs. retropubic approach. J Urol 1992 ; 147 : 888 - 90

3)

30  
 (0~0.2%), (2%)  
 (0.2~0.6%) (7), Denonvillier  
 50~70%  
 (8). 10% 가

2. 가 (18).  
 (19).  
 . 1992 Guillonneau  
 Schuessler (9) 5 (16) pT2a 36 92.3%,  
 9 pT2b 31 86.3% PSA  
 , , 가  
 (10) . 3 4  
 (11). (19).  
 , .  
 da Vinci PSA 가 . PSA  
 (12). 가 3.2 3~4  
 baseline level . PSA가  
 가 PSA  
 PSA  
 9.4 40 0.2~0.6 ng/ml . PSA가  
 3~5 가 .  
 (13), 가 5~11% 17~  
 (14). Guillonneau 31% 5 PSA 가  
 (15) 1,000 13 가 . PSA 5  
 , Gleason score,  
 70 PSA,  
 T1 89~100%, T2 69~87%  
 47 40 (85%) 가 31 , Gleason score 2~4 91~98%, 5~7  
 (66%) 가 (16). 62~92%, 8~10 46~74% .  
 60 91~97%,  
 (17). 82%, 47~49%,  
 가 가 15~29% .  
 3~40% 5



가

가

PSA 가

가

T3 T2

가

T1/ T2

, PSA

가 (20).

가

가

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