Prostate cancer AJCC Staging System and Risk Stratification

AJCC TNM 8th Ed

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What's needed

- TNM
- PSA
- Gleason and grade group
- In some cases:
 - Number of fragments/core obtained
 - Number of fragments/core positive
 - Percentage of cancer cell in each core
 - PSA density
 - Number of cores with grade group 4 or 5

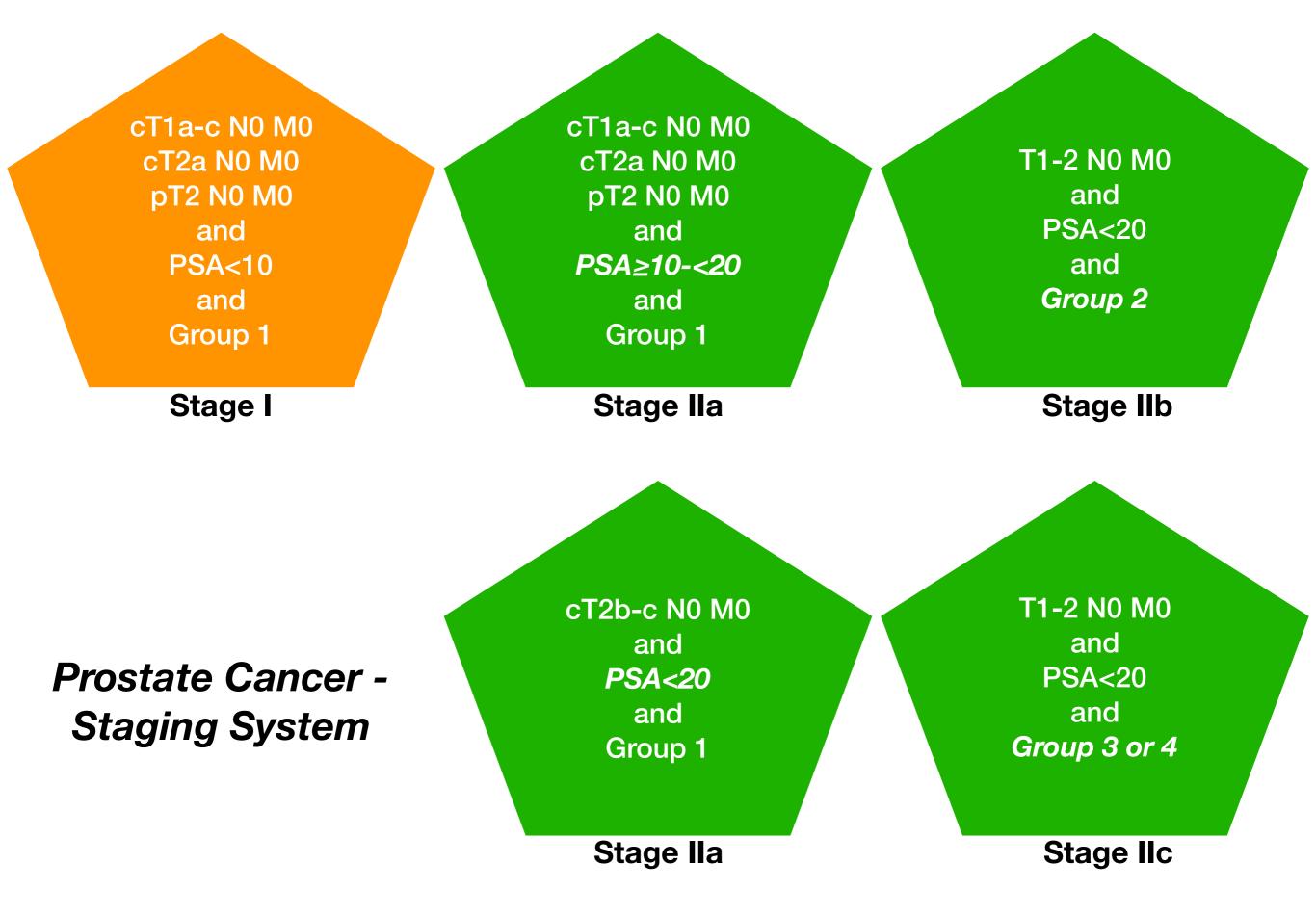
Tumor	Primary Tumor		
Tx	Primary tumor cannot be assessed		
ТО	No evidence of primary tumor		
T1	T1a: Tumor incidental histologic finding in 5% or less of tissue resected	T1b: Tumor incidental histologi finding in more than 5% of tissue	T1c: Tumor identified by needle biopsy founding on or both side, but not
T2	T2a: Tumor involves one- half of one side or less	T2b: Tumor involves more than one-half of one side but not both	T2c: Tumor involves both sides
ТЗ	T3a: Extraprostatic extension	T3b: Tumor invades seminal vesicle(s)	
Τ4		adjacent structures other ctum, bladder, elevator mu	•

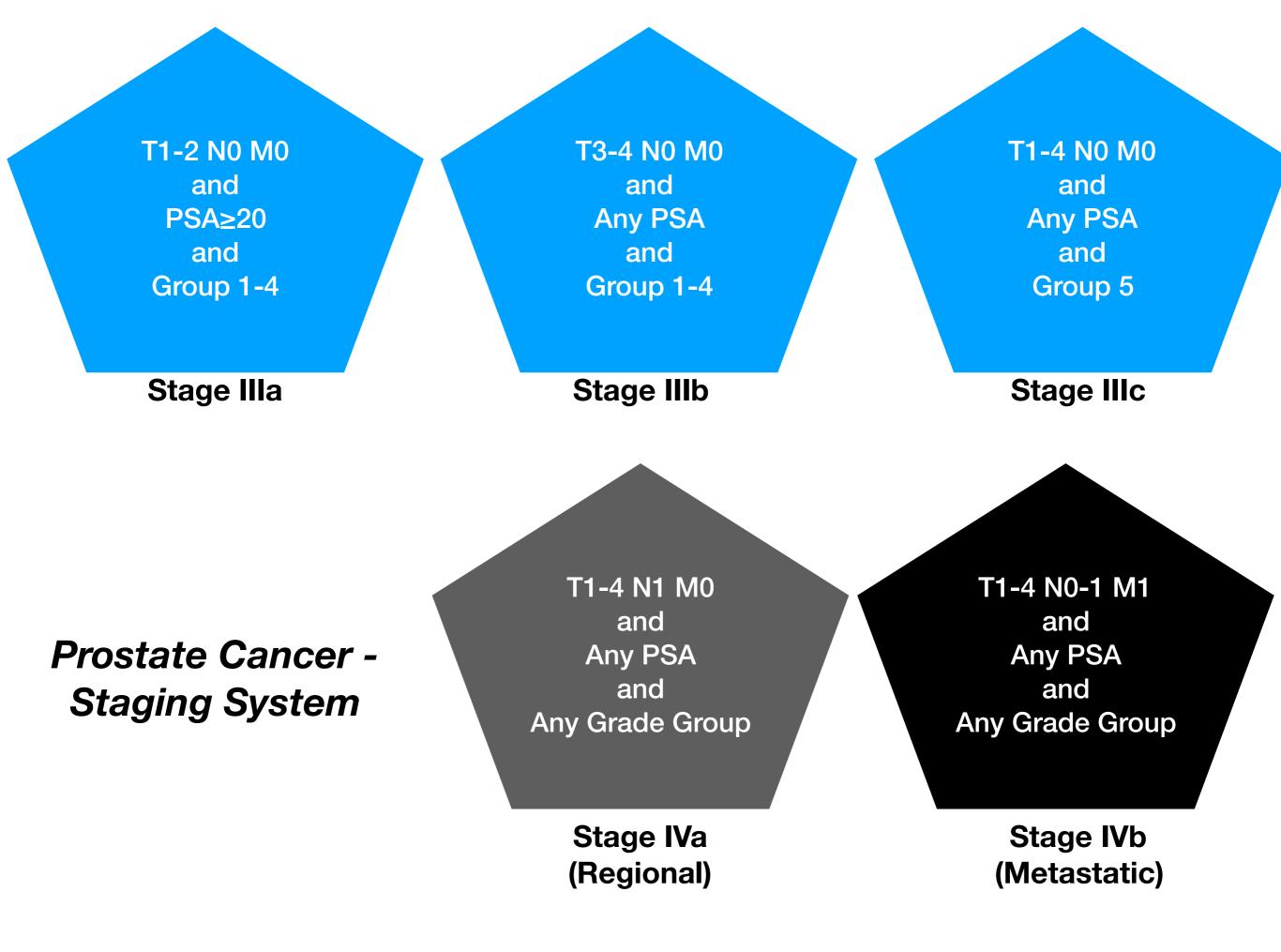
Tumor	Primary Tumor		
Tx	Primary tumor cannot be assessed		
ΤΟ	No evidence of primary tumor		
T1 Clinically inapparent	T1a: Tumor incidental histologic finding in 5% or less of tissue resected	T1b: Tumor incidental histologi finding in more than 5% of tissue	T1c: Tumor identified by needle biopsy founding on or both side, but not
T2 Organ confined	T2a: Tumor involves one- half of one side or less	T2b: Tumor involves more than one-half of one side but not both	T2c: Tumor involves both sides
T3 Extraprostatic extension that is not fixed	T3a: Extraprostatic extension	T3b: Tumor invades seminal vesicle(s)	
T4 Tumor is fixed or invades adjacent structures	Tumor is fixed or invades adjacent structures other than spinal vesicles such as external sphincter, rectum, bladder, elevator muscles, and/or pelvic wall		

Ν	Regional node		
NX	Regional nodes cannot be assessed		
NO	No positive regional nodes		
N1	Metastases in regional node(s)		
Μ	Distant metastasis		
M0 No distant metastasis	No distant metastases		
M1 Distant metastasis	M1a: Non-regional lymph node(s)	M1b: Bone(s)	M1c: Other site(s) with or without bone disease*

*If more than one site involved, choose highest stage (ie, M1c)

Grade Group	Gleason Score	Gleason Pattern
1	≤6	≤3 + 3
2	7	3 + 4
3	7	4 + 3
4	8	4 + 4, 3 + 5, 5 + 3
5	9-10	4 + 5, 5 + 4, 5 + 5





cT1a-c N0 M0 cT2a N0 M0 pT2 N0 M0 and PSA<10 and Group 1

Stage I

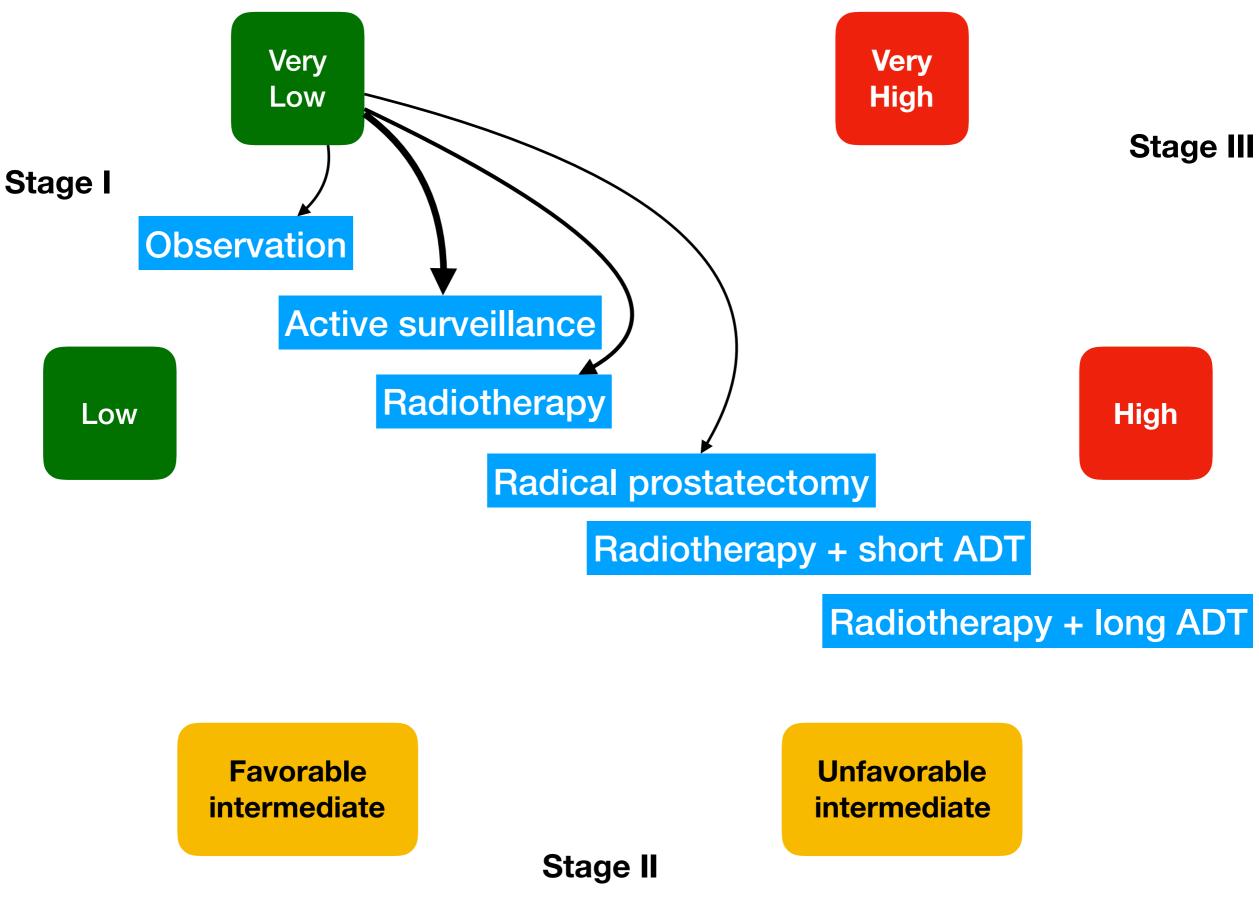
Risk Group	Clinical/pathologic features
Very Low	T1c AND Grade Group 1 AND PSA< 10 AND Fewer than 3 prostate biopsy fragments/cores positive, ≤50% cancer in each fragment/core AND PSA density <0.15 ng/mL/g
Low	T1-T2a AND Grade group 1 AND PSA<10 AND Percentage of positive biopsy cores <50%

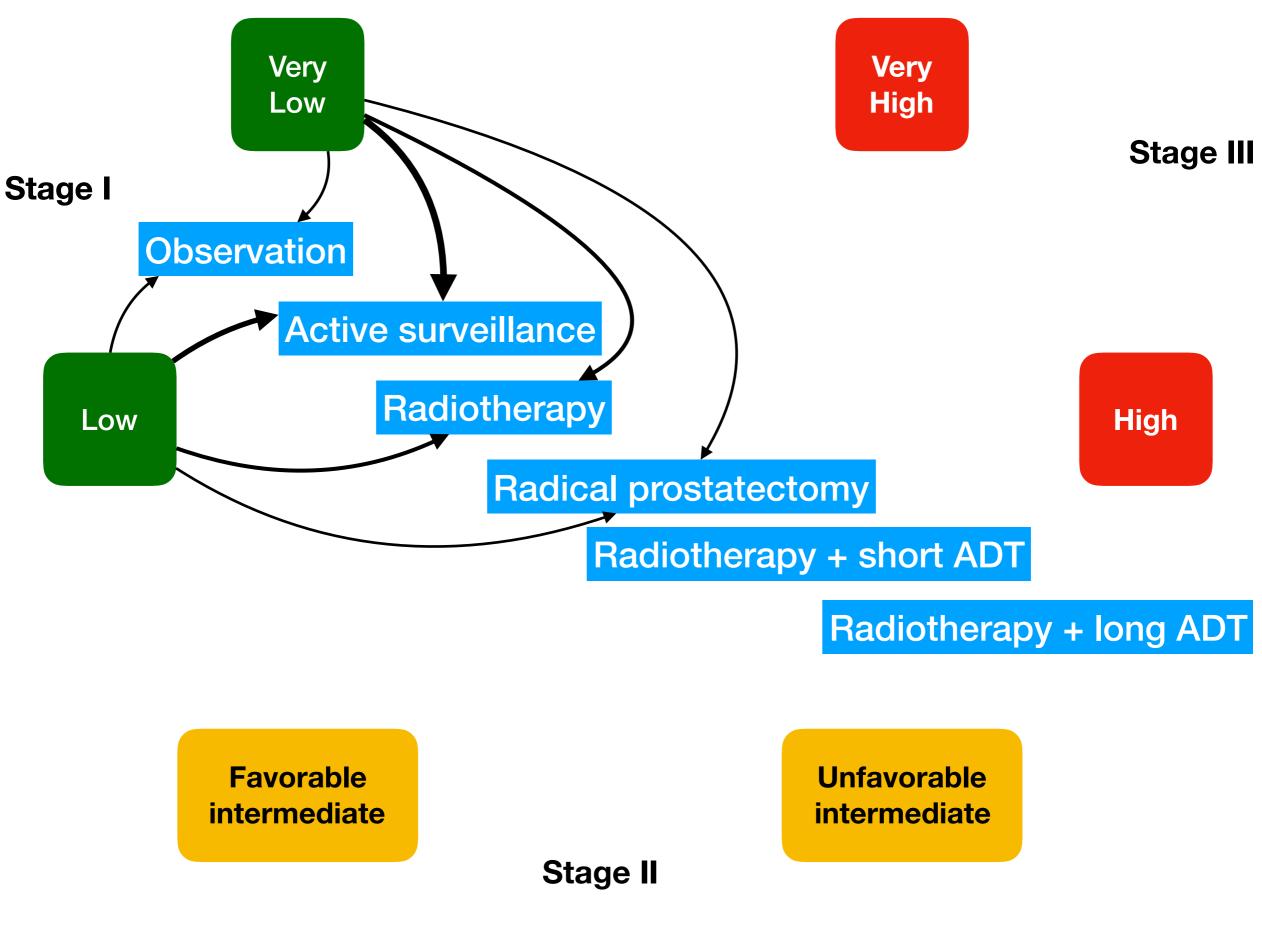
cT2a pT2 a PSA Gr	- C NO MO A NO MO A NO MO and 210-<20 and oup 1	<text></text>	T1-2 N0 M0 and PSA<20 and Group 2
Risk Group	Clinica	/pathologic features	
Favorable Intermediate	F	T2b-T2c OR ade Group 2 OR PSA 10-20 AND positive biopsy cores <50%	T1-2 N0 M0 and PSA<20 and Group 3 or 4
Unfavorable intermediate		T2b-T2c OR de group 2 or 3 OR PSA 10-20	Stage IIc

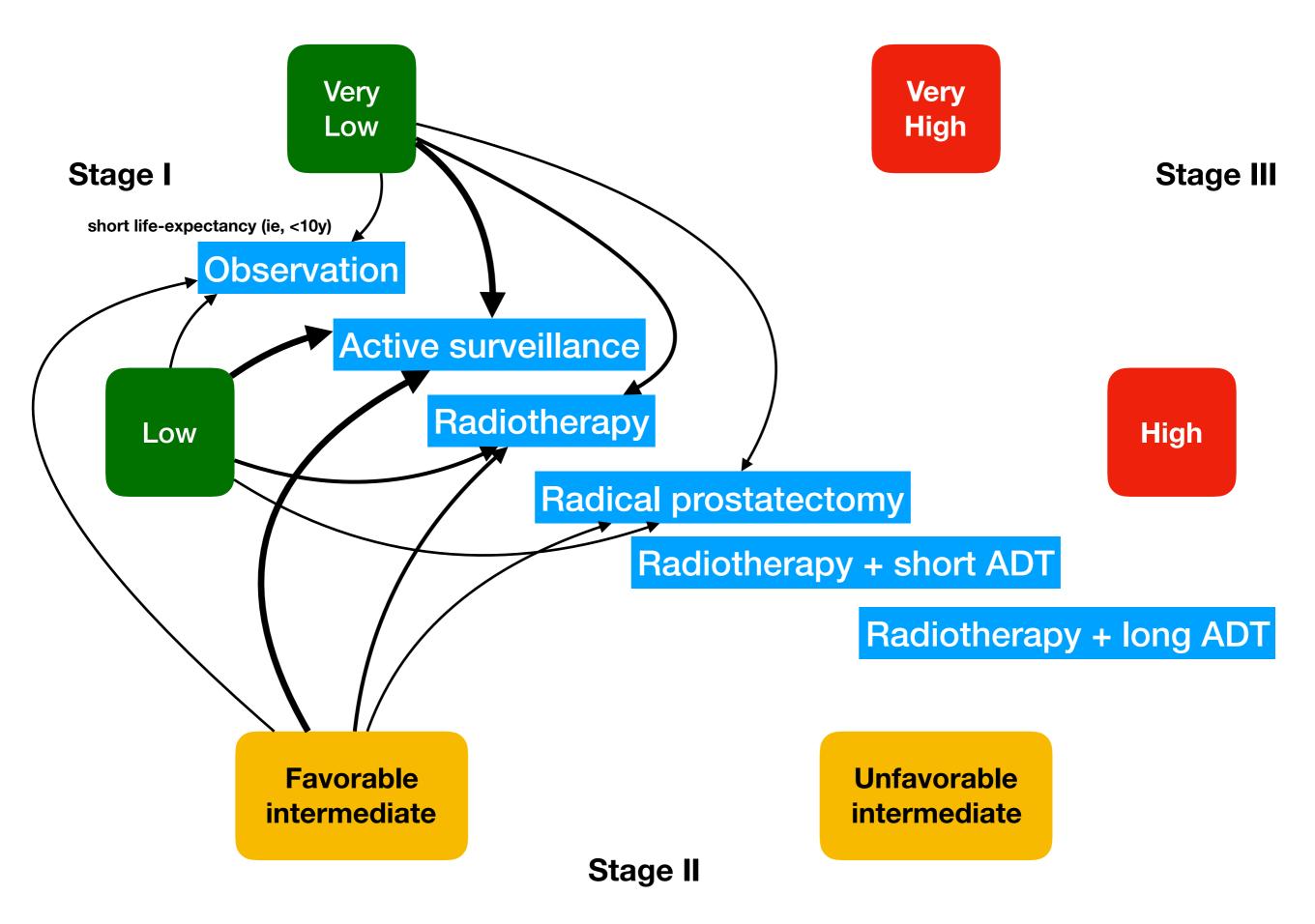
Note: Some stage IIc are Unfavorable Intermediate Risk (ie, T1-2 N0 M0 - PSA <20 - Grade group 3)

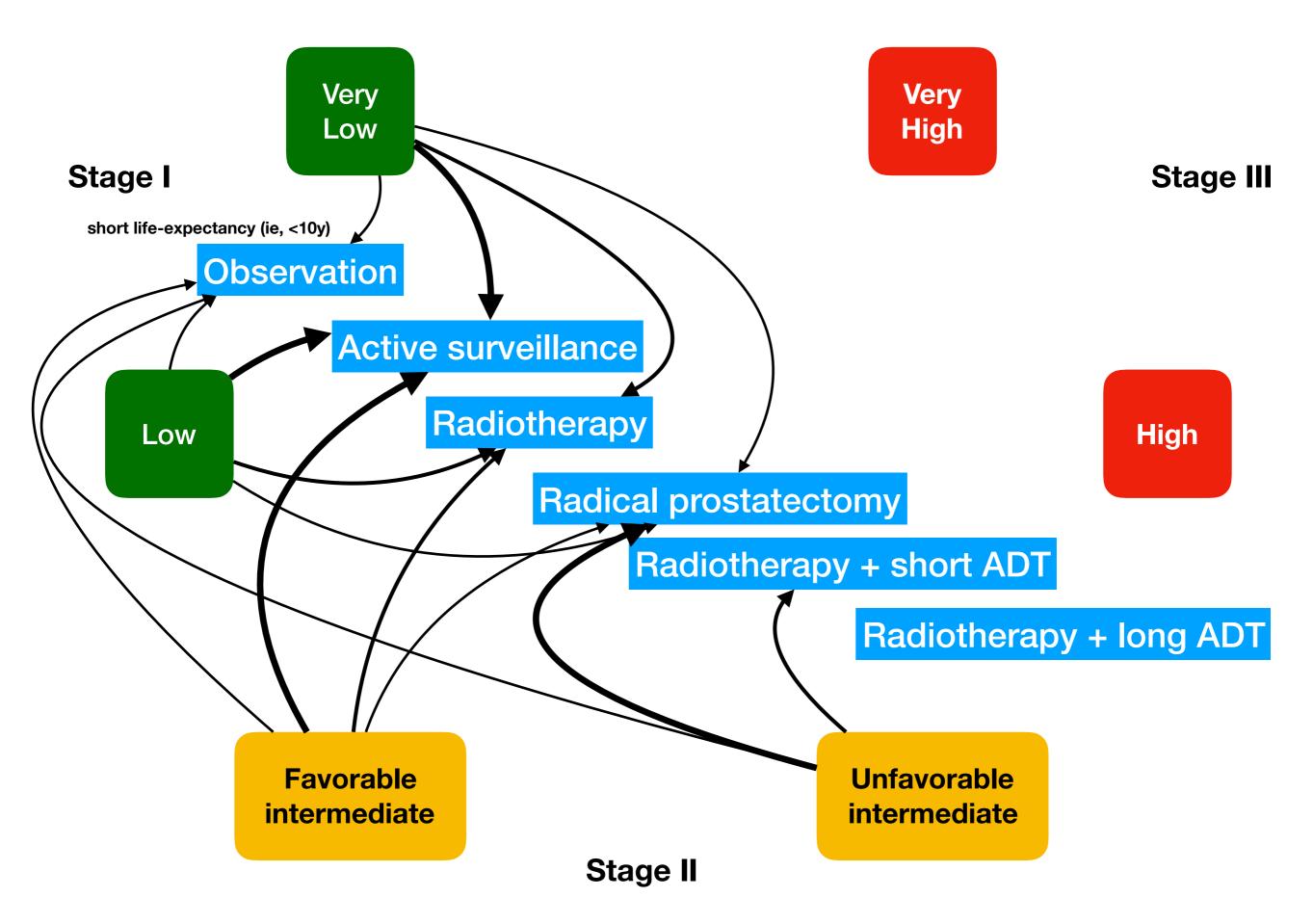
<section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header>	T3-4 N0 M0 and Any PSA and Group 1-4 Stage IIIb	<text></text>
Risk Group	Clinical/pathologic features	
High	T3a OR Grade Group 4 or 5 OR PSA >20	
Very High	T3b-T4 OR Primary Gleason Pattern 5 OR >4 cores with Grade Group 4 or 5	

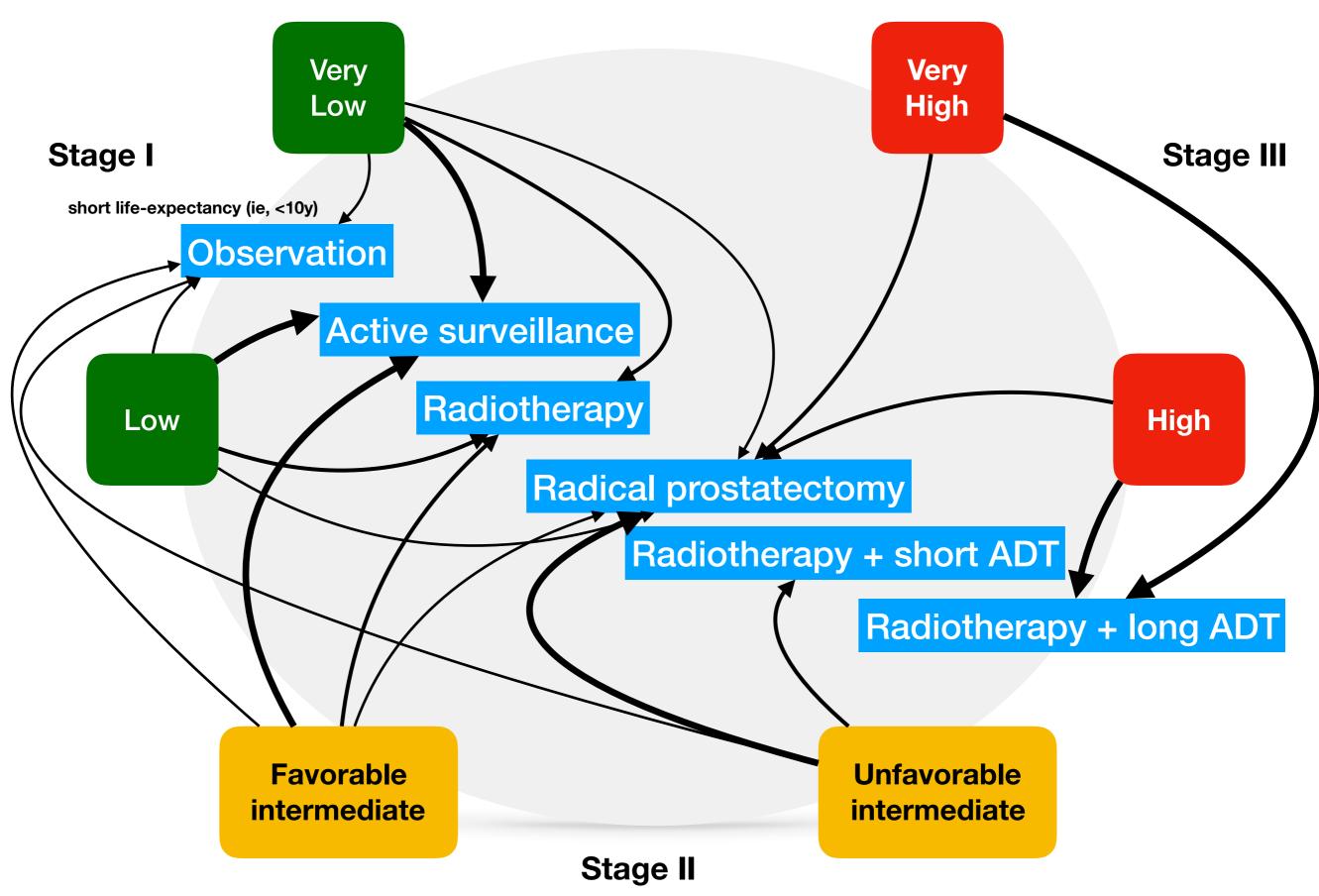
Note: Some stage IIc are High Risk (ie, T1-2 N0 M0 - PSA < 20 - Grade group 4)











Treatment recommendations by the NCCN, Version 3.2018

ADT: Androgen deprivation therapy Short (4-6 months) Long (2-3 years)

Active surveillance

Semi-annual PSA testing, annual DRE (or TRUS) and annual biopsy

One version, of many

Active surveillance - Candidates -

Grade group 1 (Gleason score ≤6) T1, T2a PSA <10

Less than 1/3 cores/fragments positive All cores/fragments <50% positive

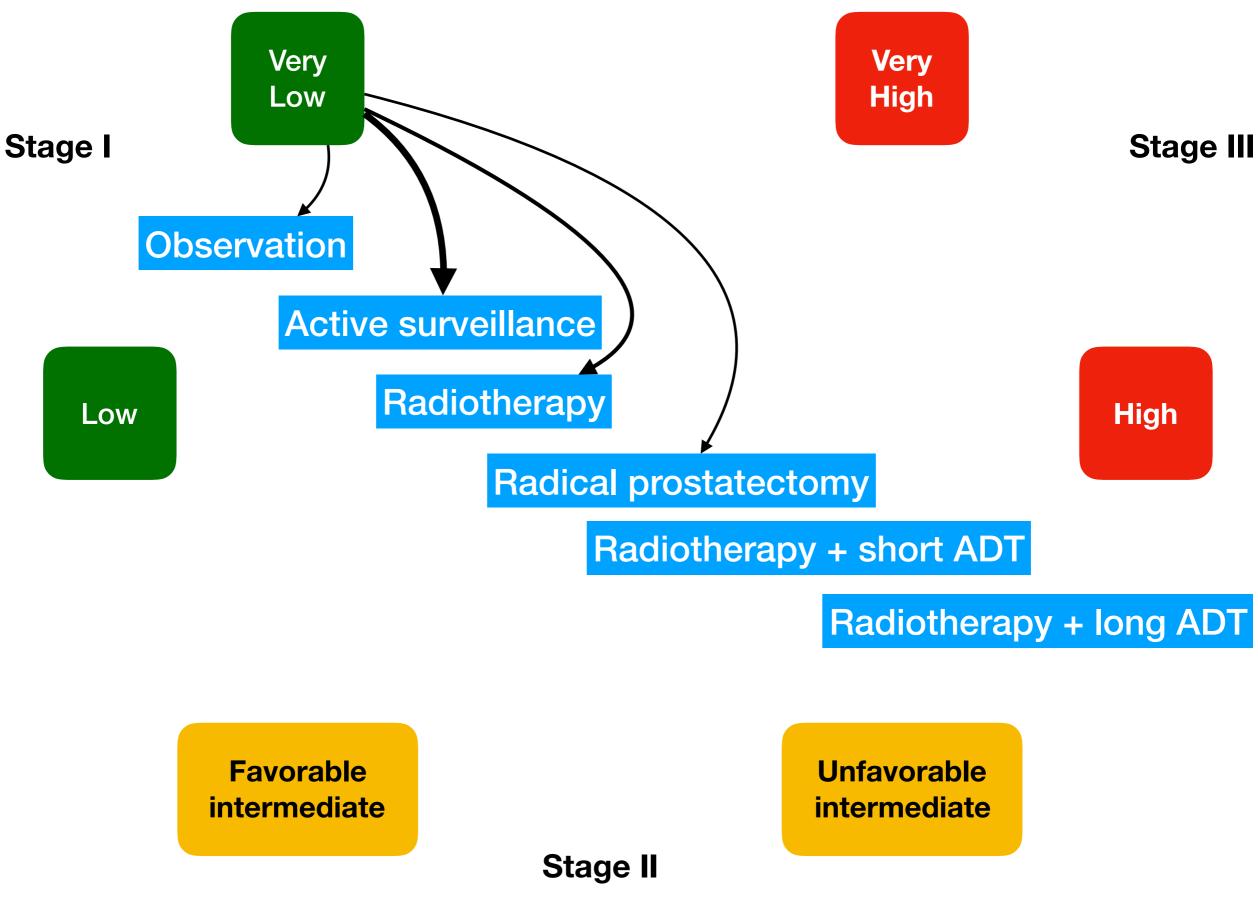
Mostly, includes patients with in the very low risk and in the low risk category

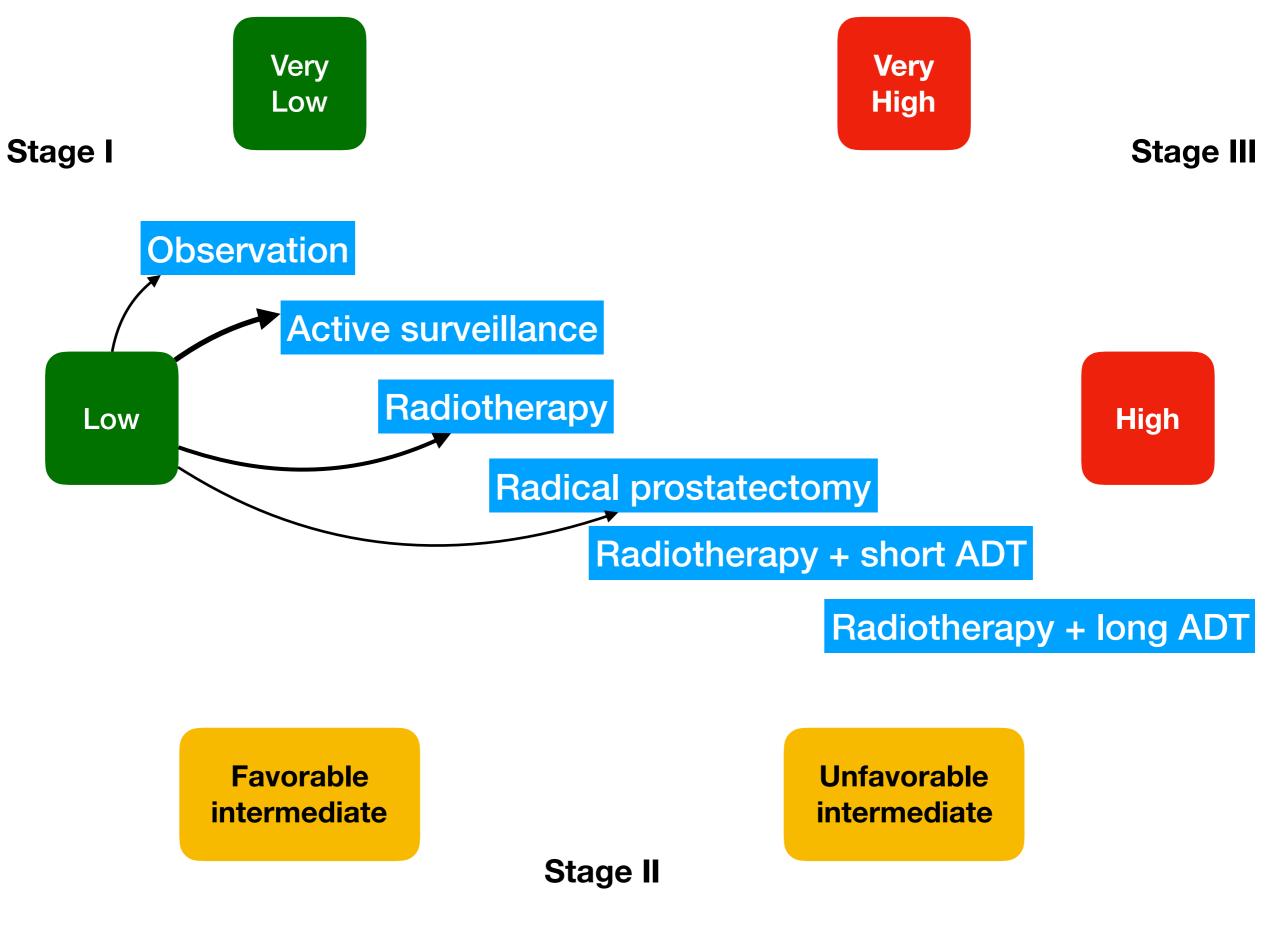
One version, of many

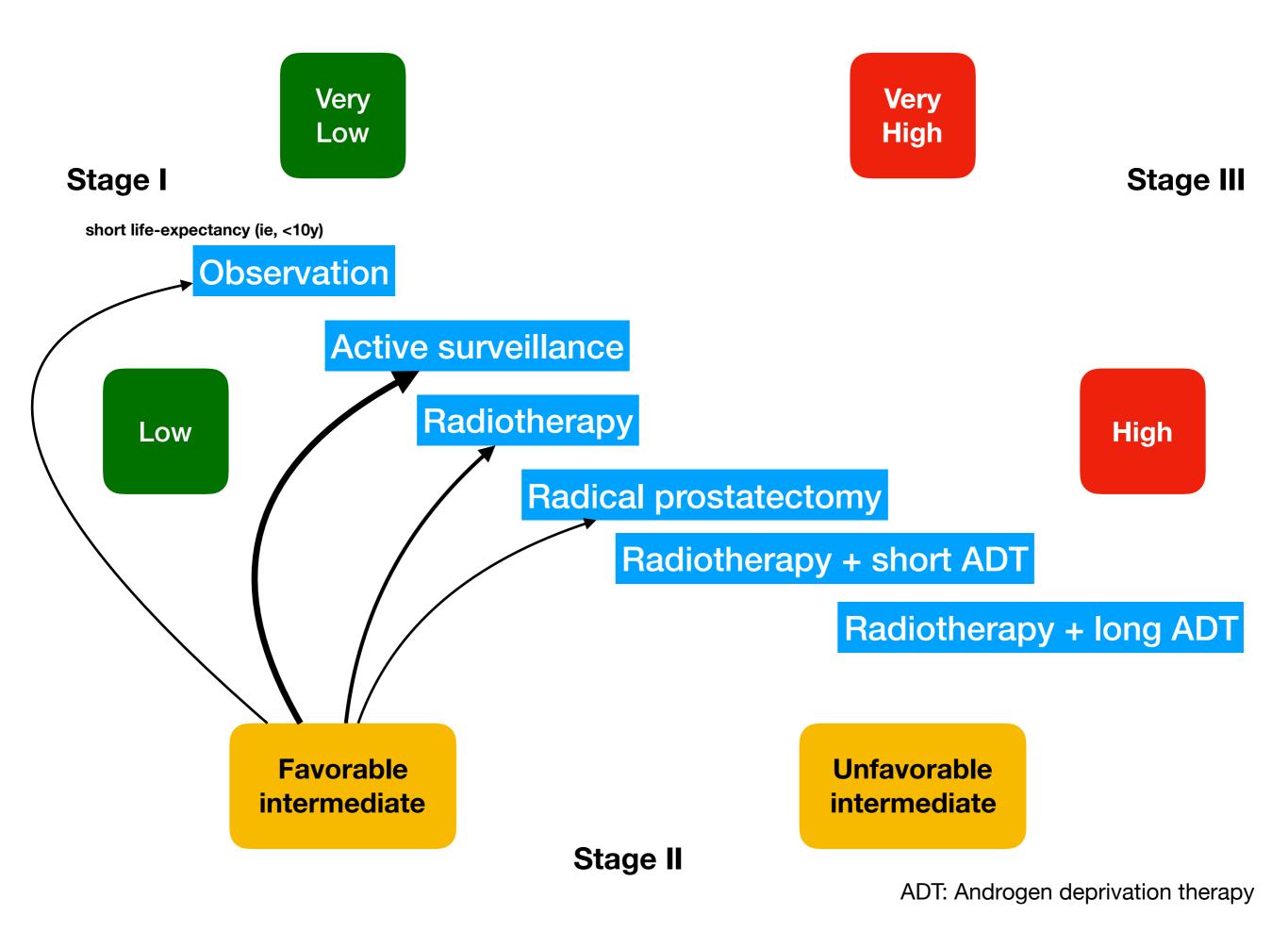
Active surveillance - Triggers for action -

PSAV > 0.75/year (PSA) > cT2a (DRE/TRUS) Gleason Score > 6 (TRUB)

One version, of many

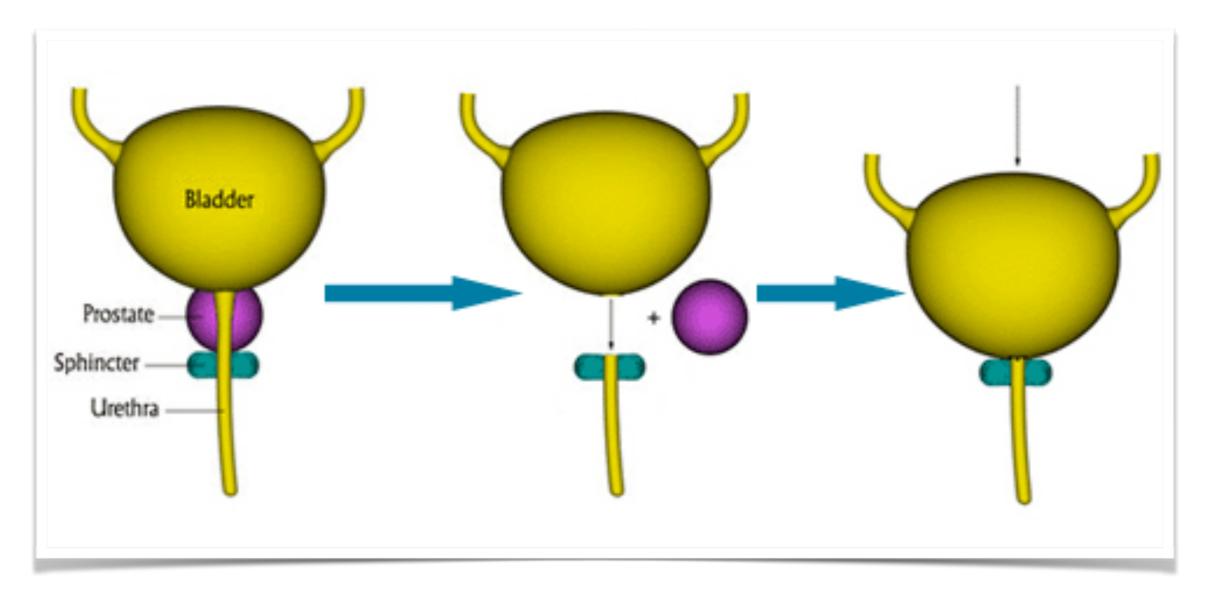






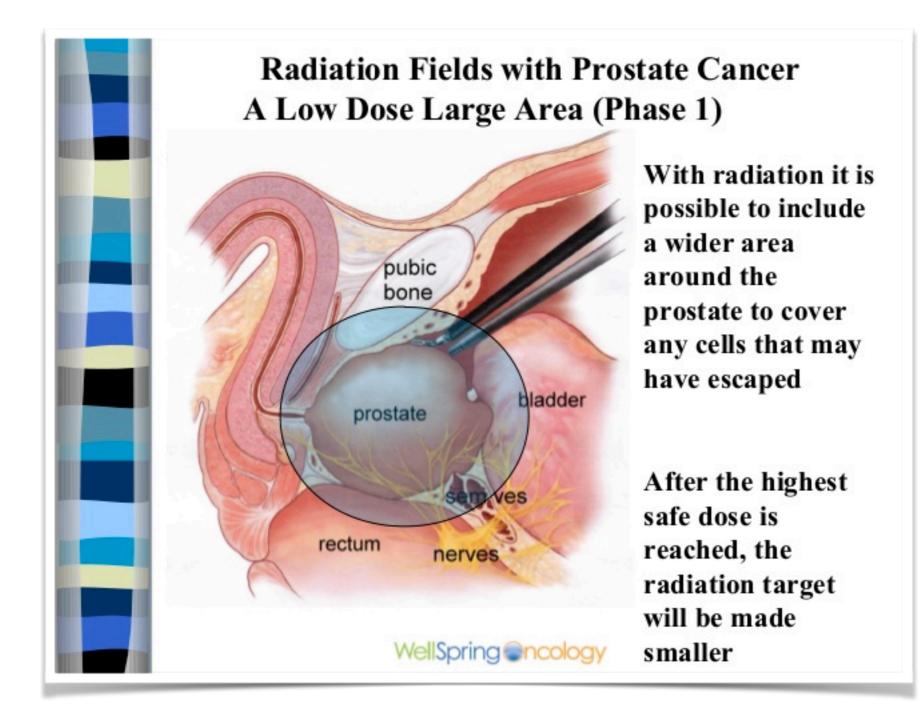
Radical prostatectomy

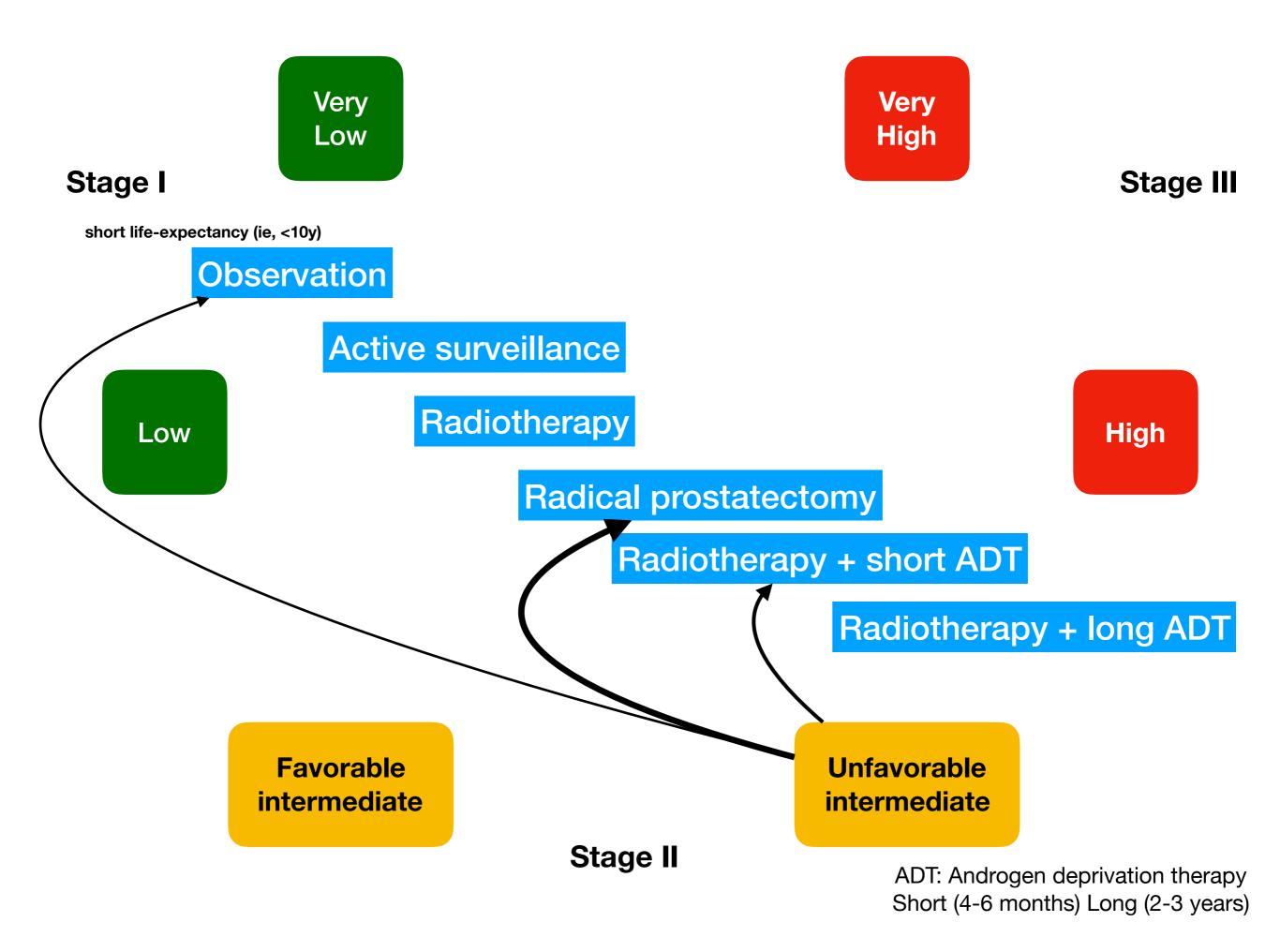
Total prostatectomy

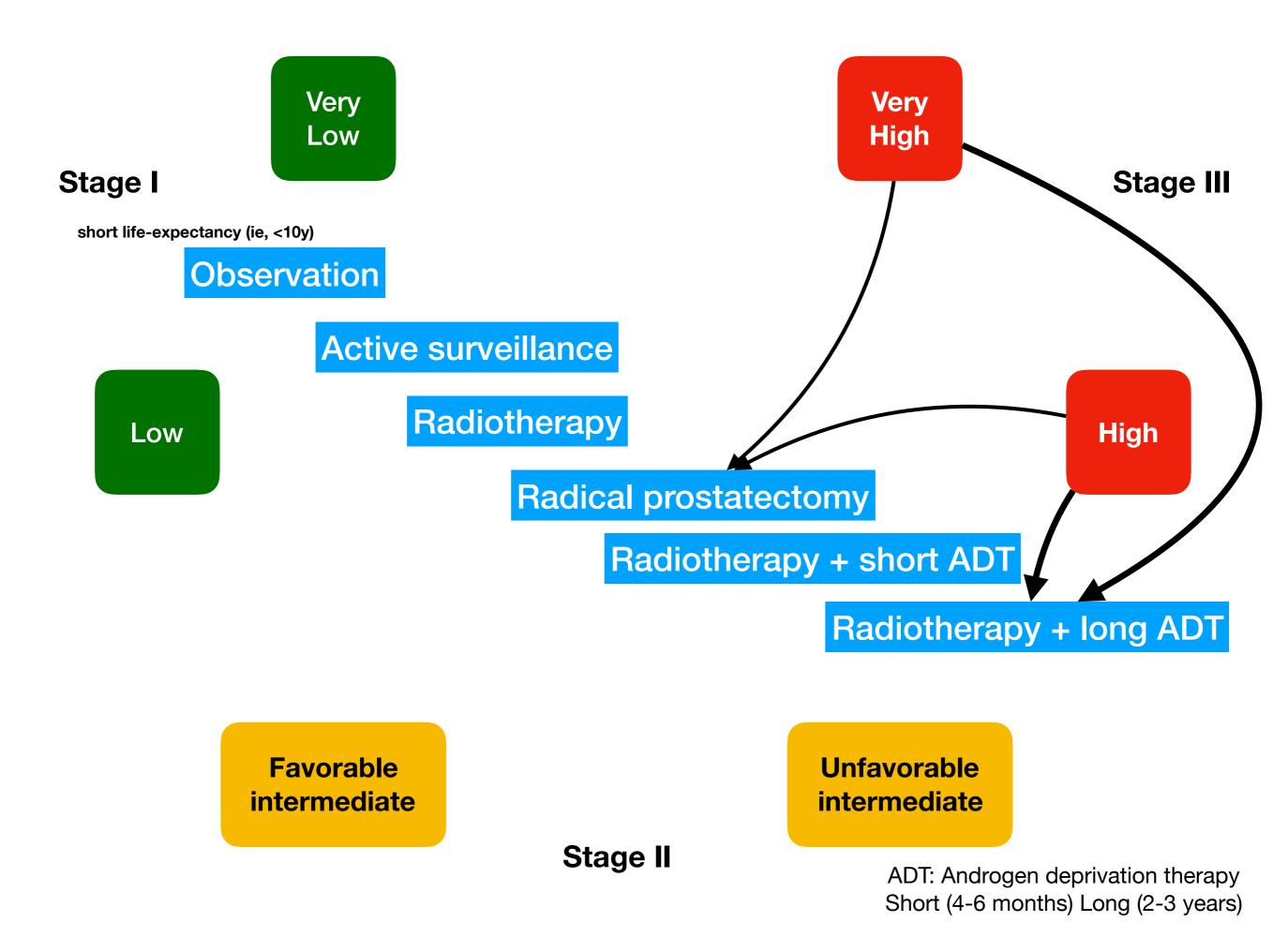


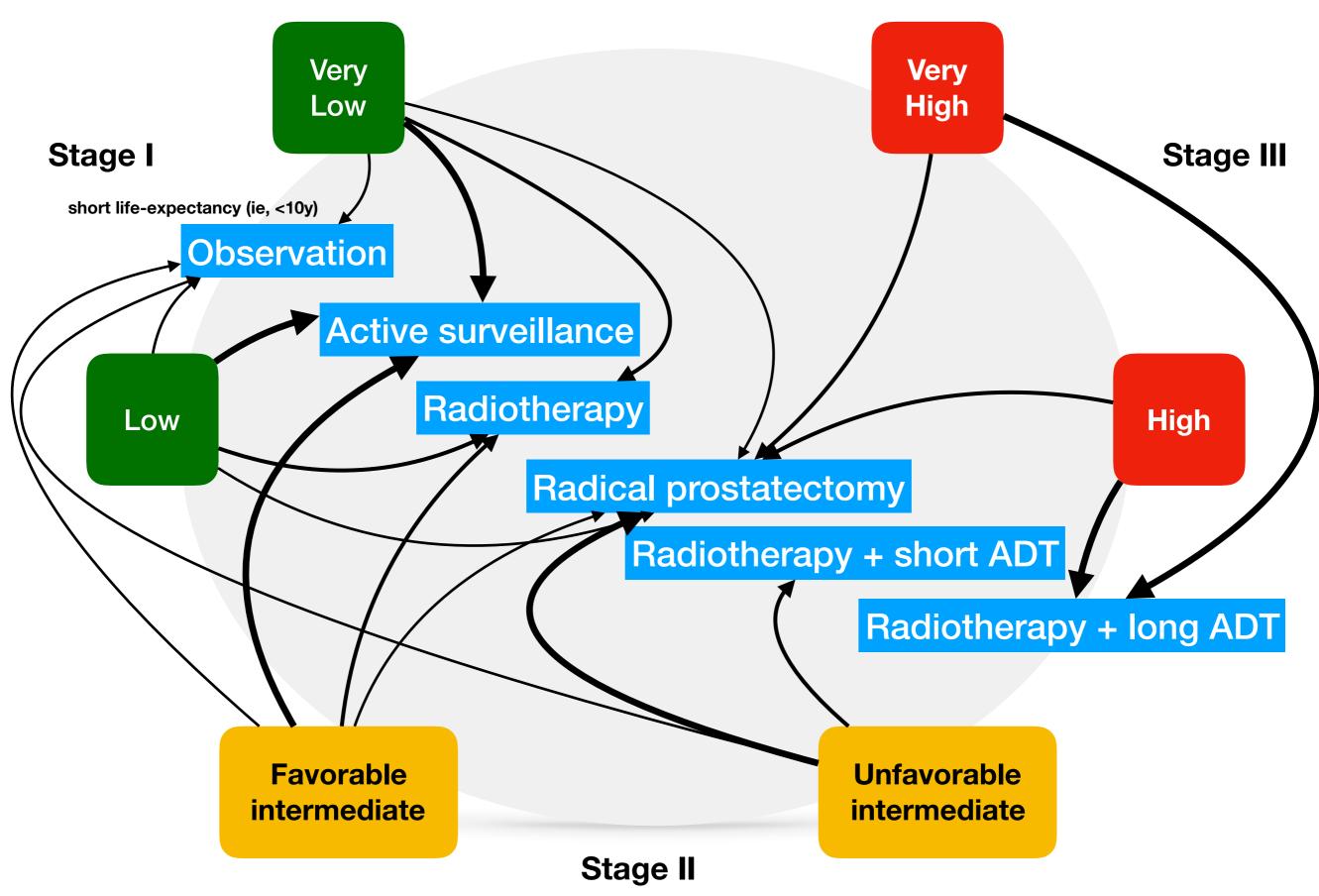
Consider RPLND (Retroperitoneal Lymph Node Dissection) if pre-operative risk of LN involvement is > 2%

Radiation therapy for prostate cancer



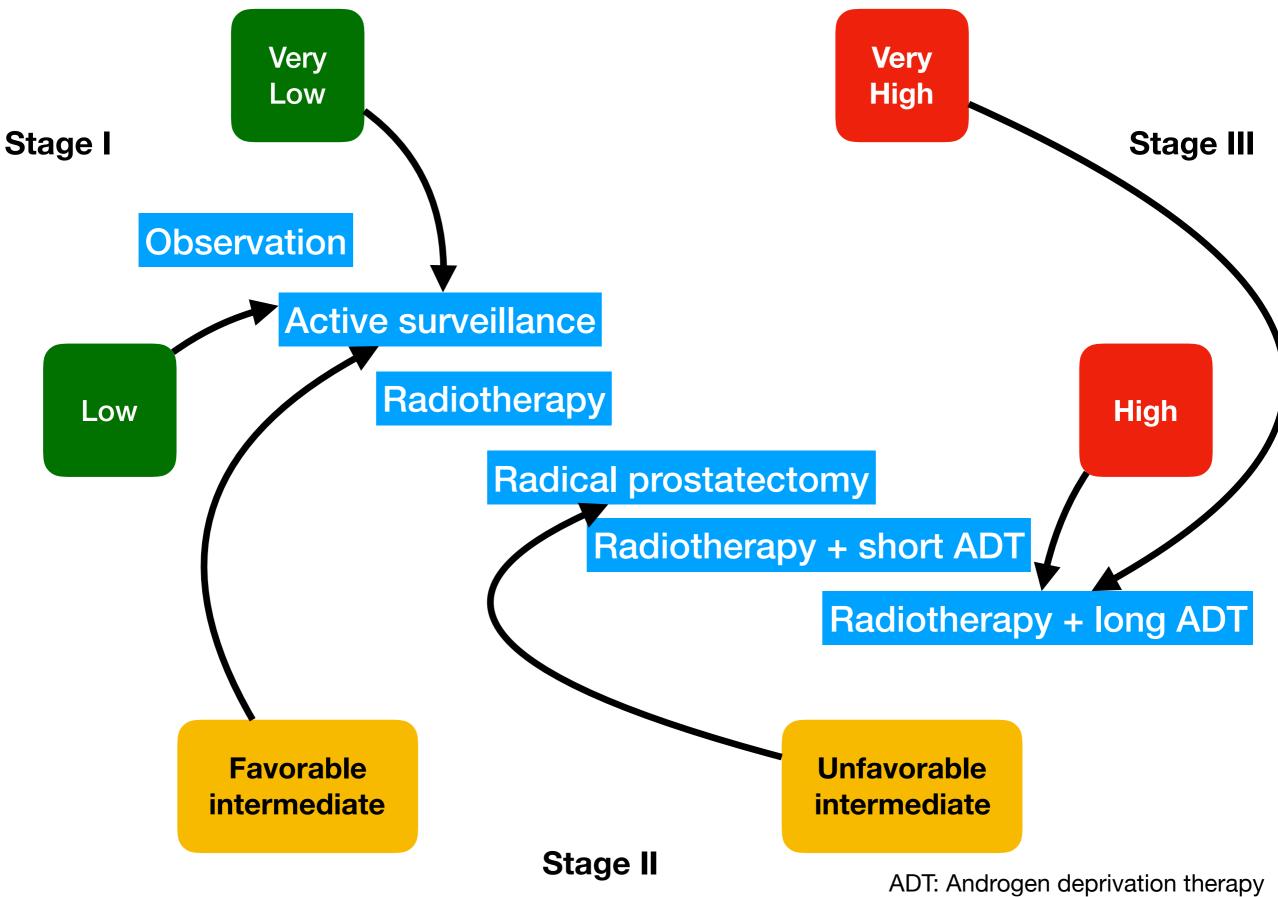






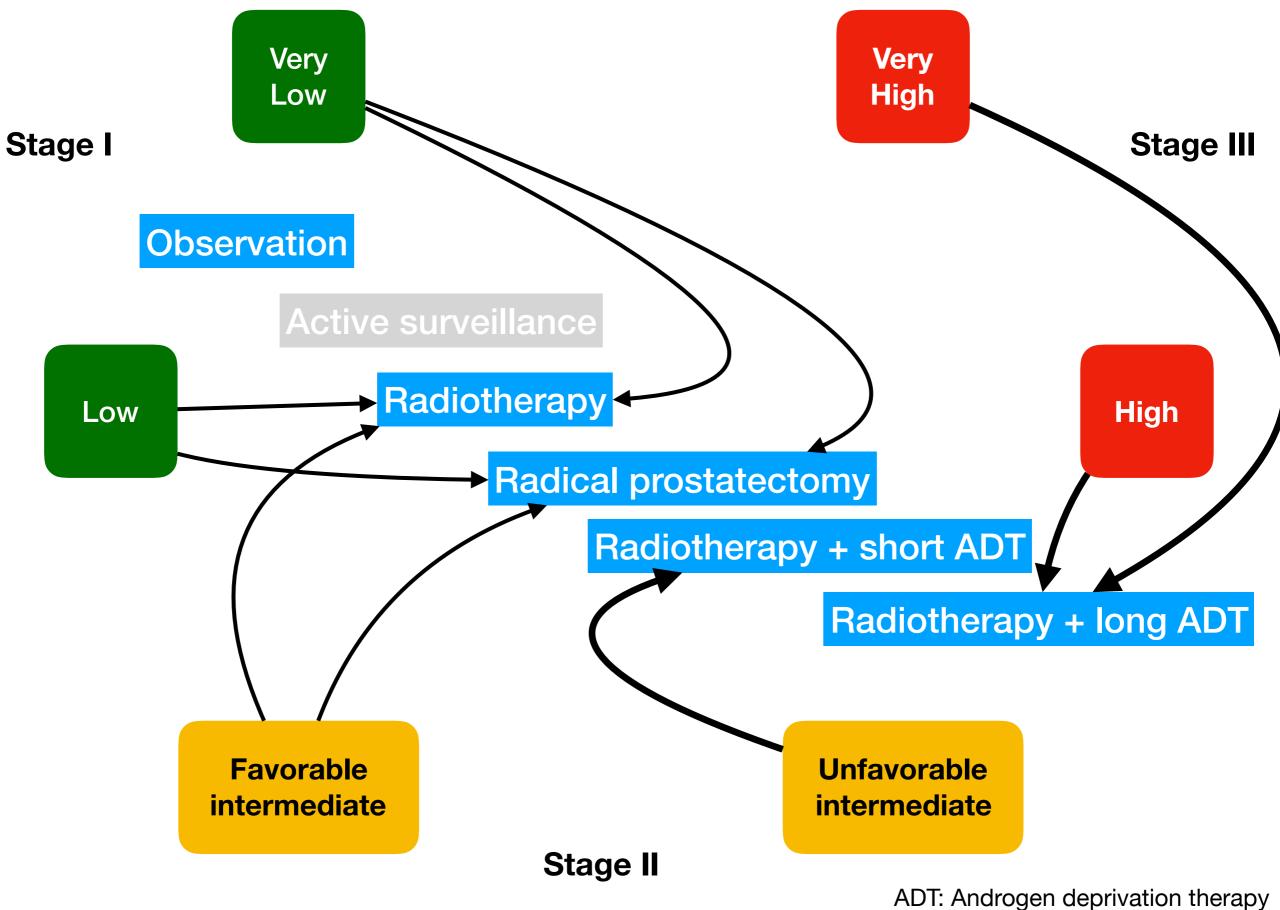
Treatment recommendations by the NCCN, Version 3.2018

ADT: Androgen deprivation therapy Short (4-6 months) Long (2-3 years)



Preferred recommendations by the NCCN, Version 3.2018

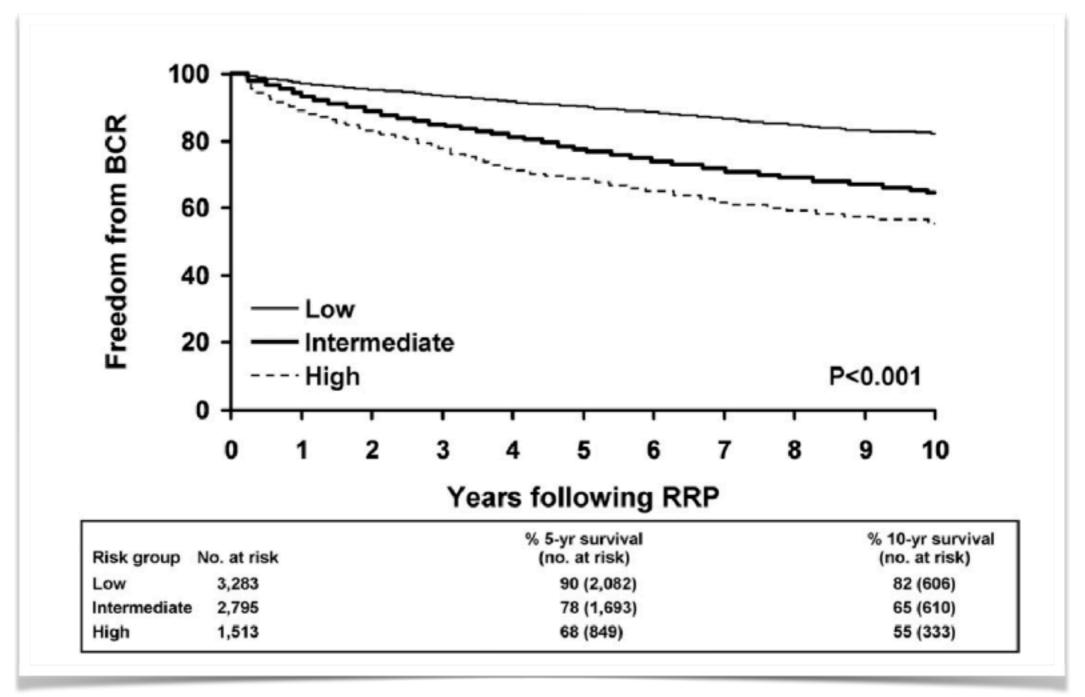
Short (4-6 months) Long (2-3 years)



My pattern when *"active surveillance"* may not be feasible

ADI: Androgen deprivation therapy Short (4-6 mo), Long (18 mo)

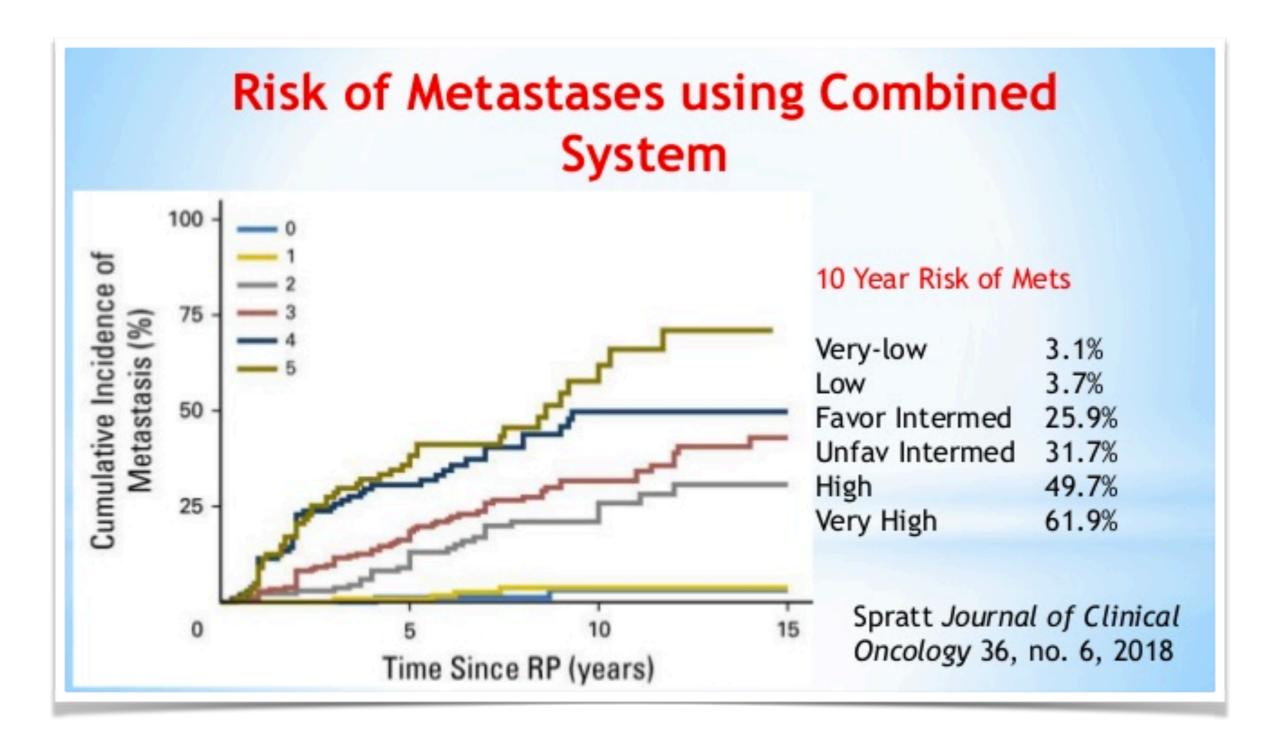
Mayo Clinic Validation of the D'Amico Risk Group Classification for Predicting Survival Following Radical Prostatectomy



BCR: biochemical recurrence after radical prostatectomy

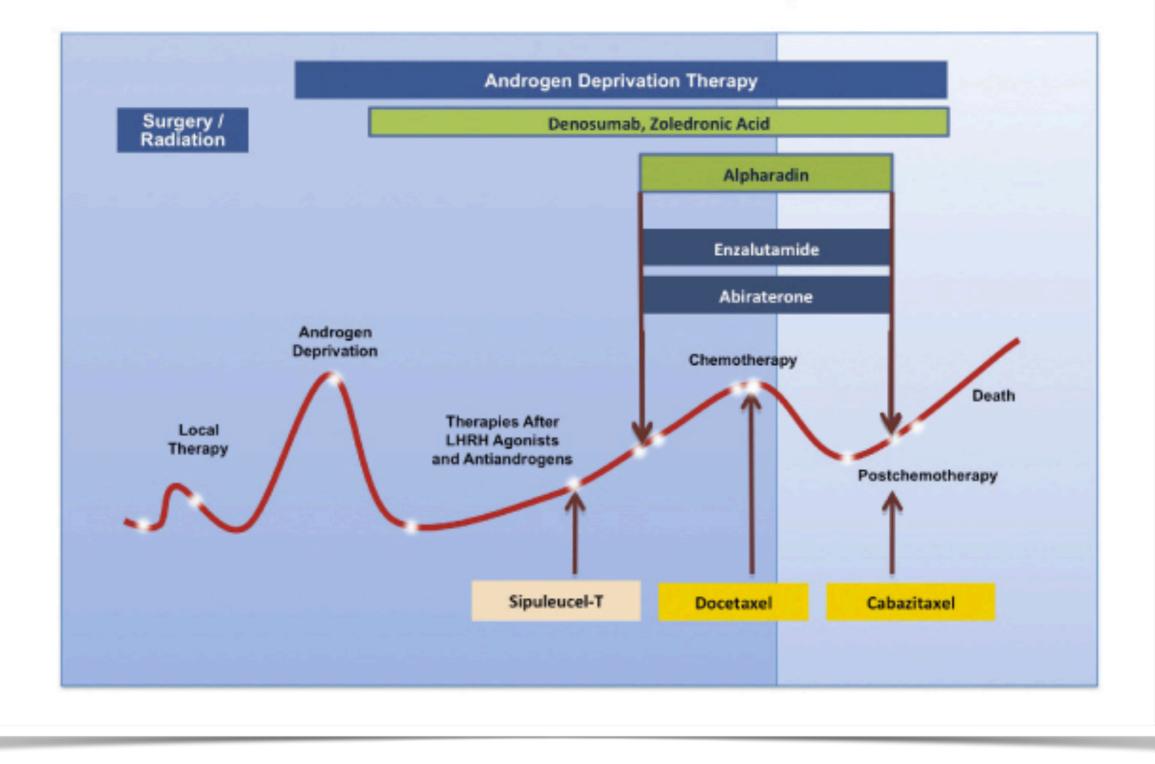
Boorjian SA, Journal of Urology, 2008

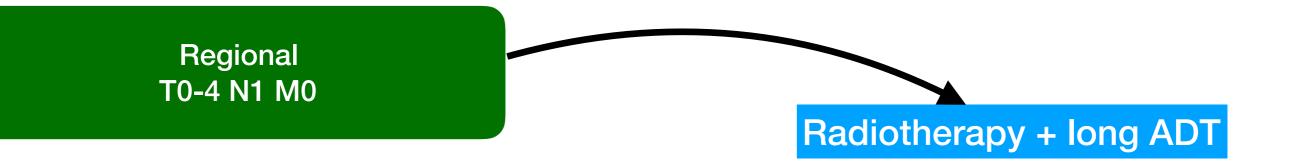
Metastasis-free survival after radical prostatectomy by risk group stratification



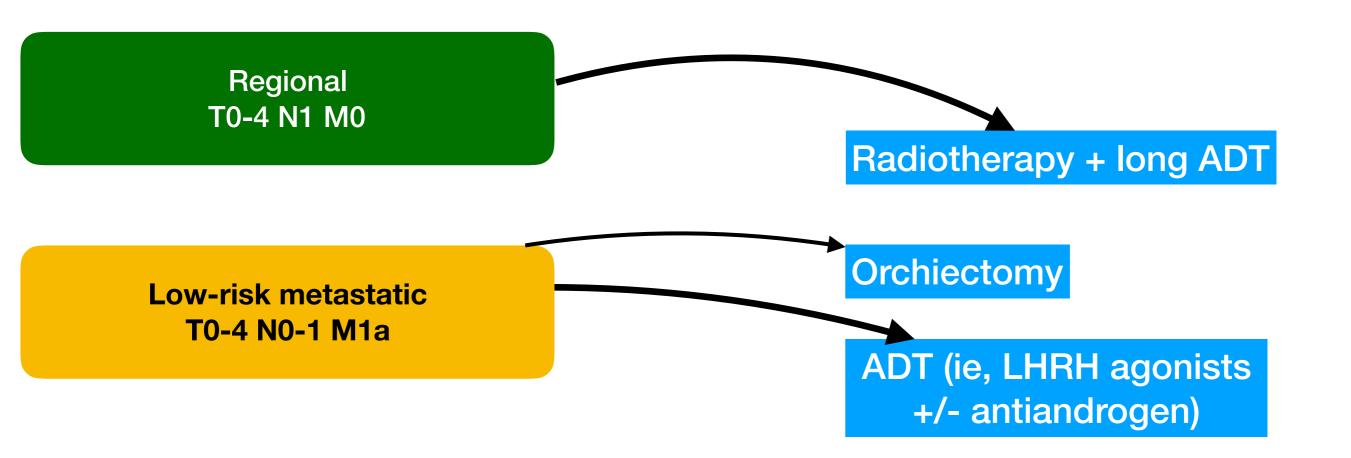
RP: Radical prostatectomy

Treatment Landscape

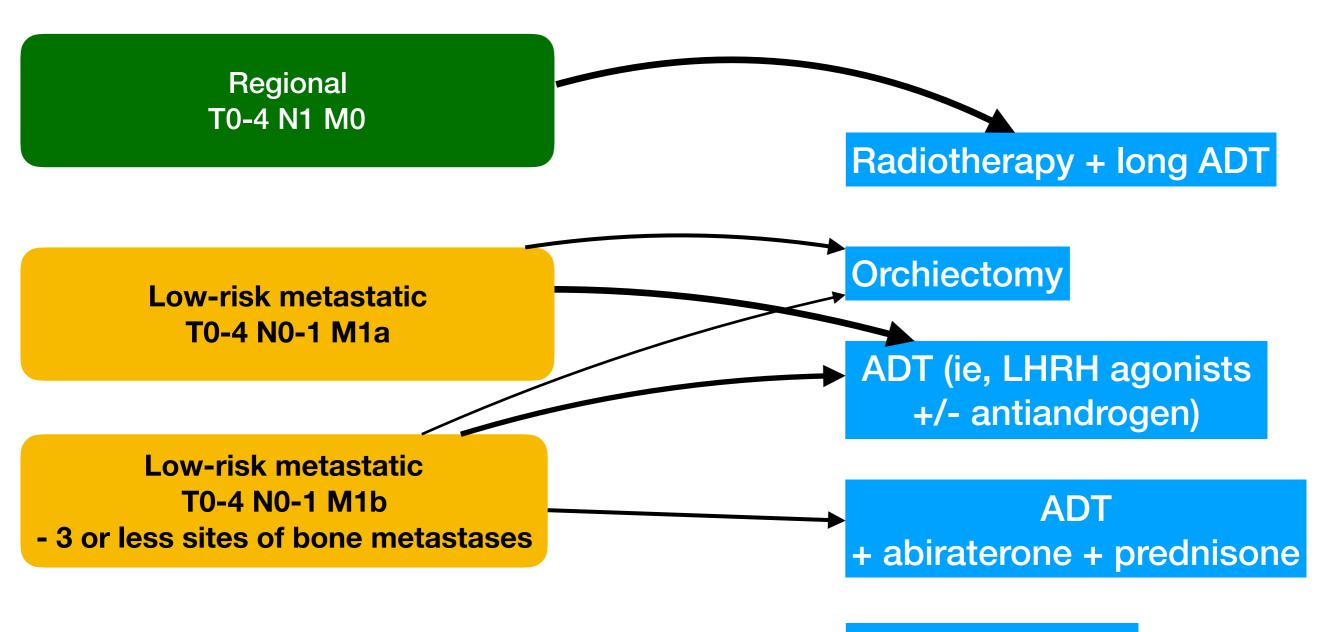




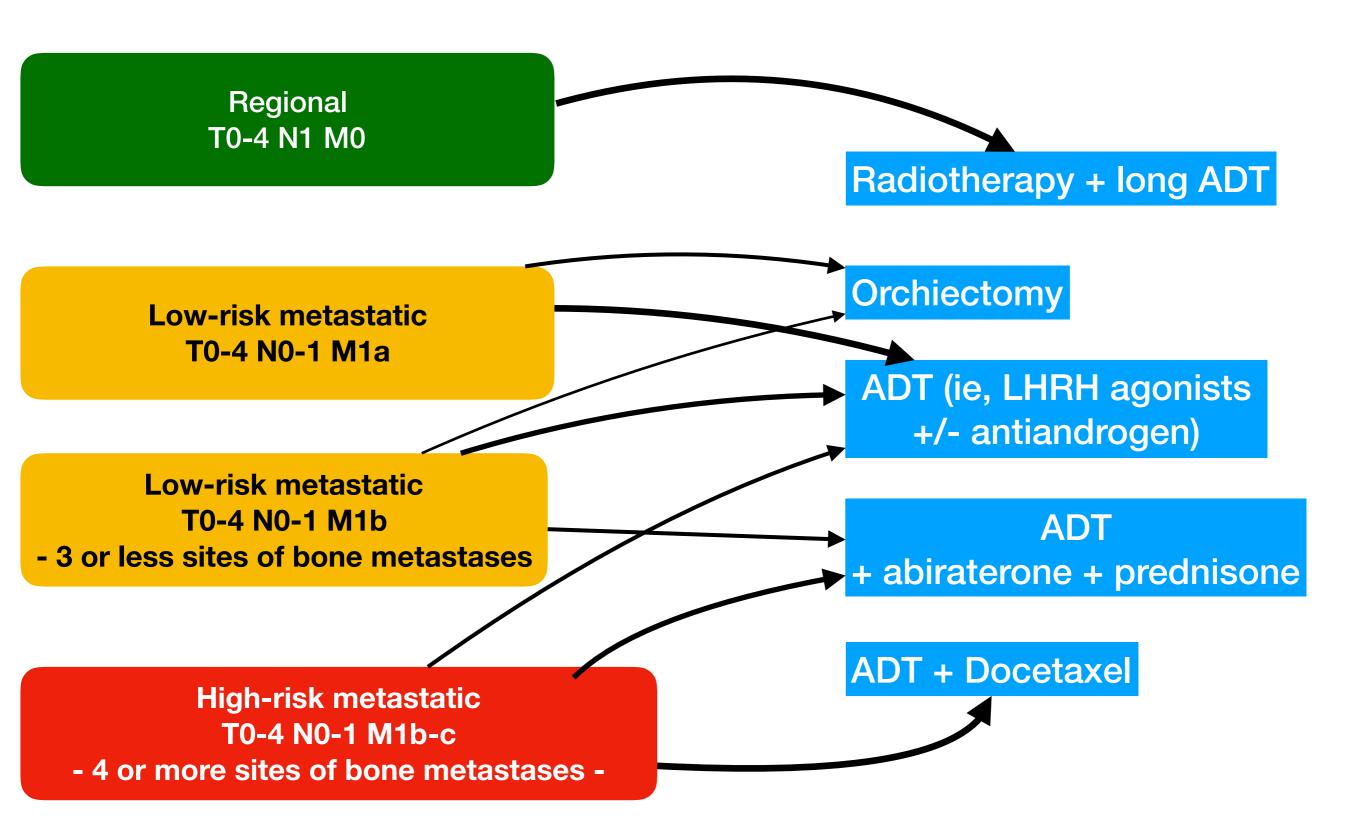
First-line therapy for advanced prostate cancer



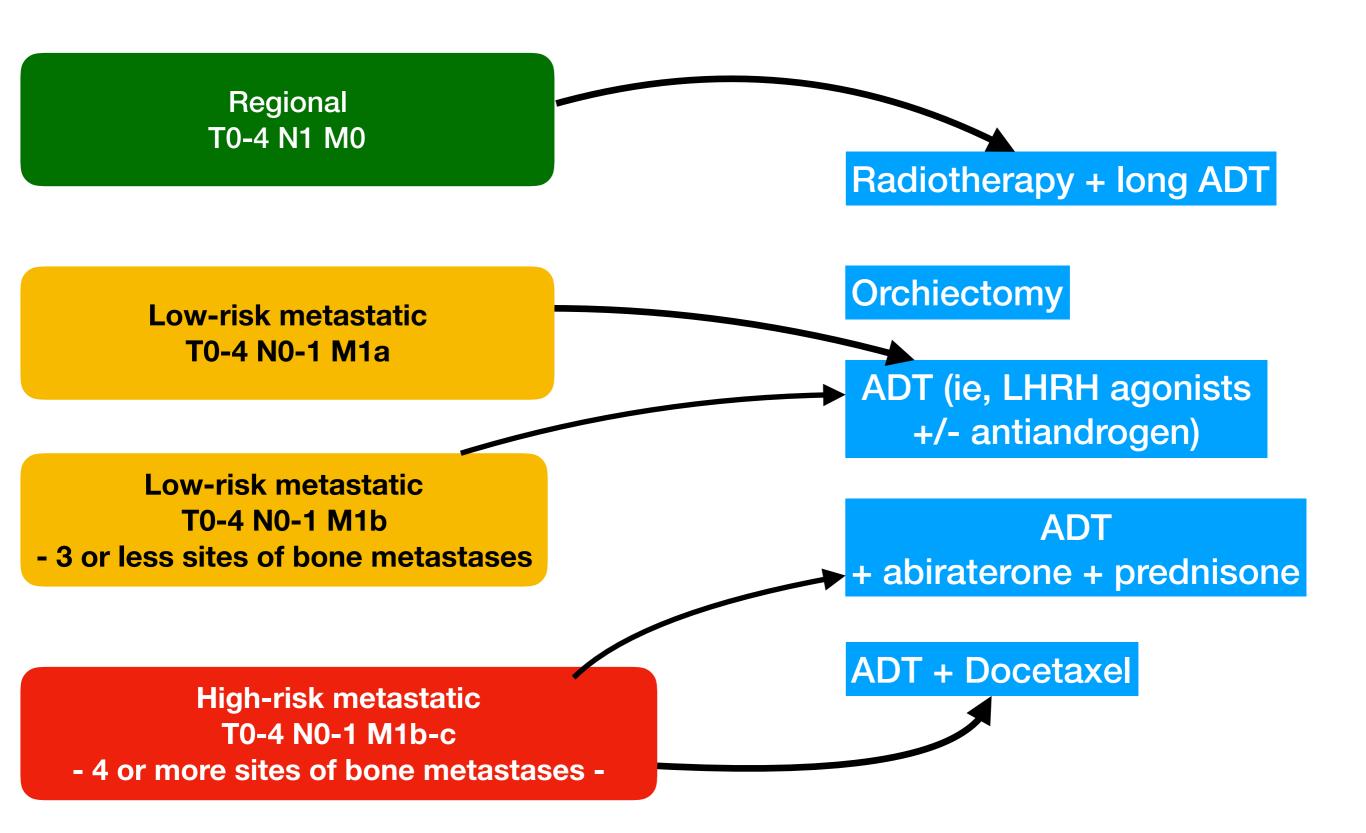
First-line therapy for advanced prostate cancer



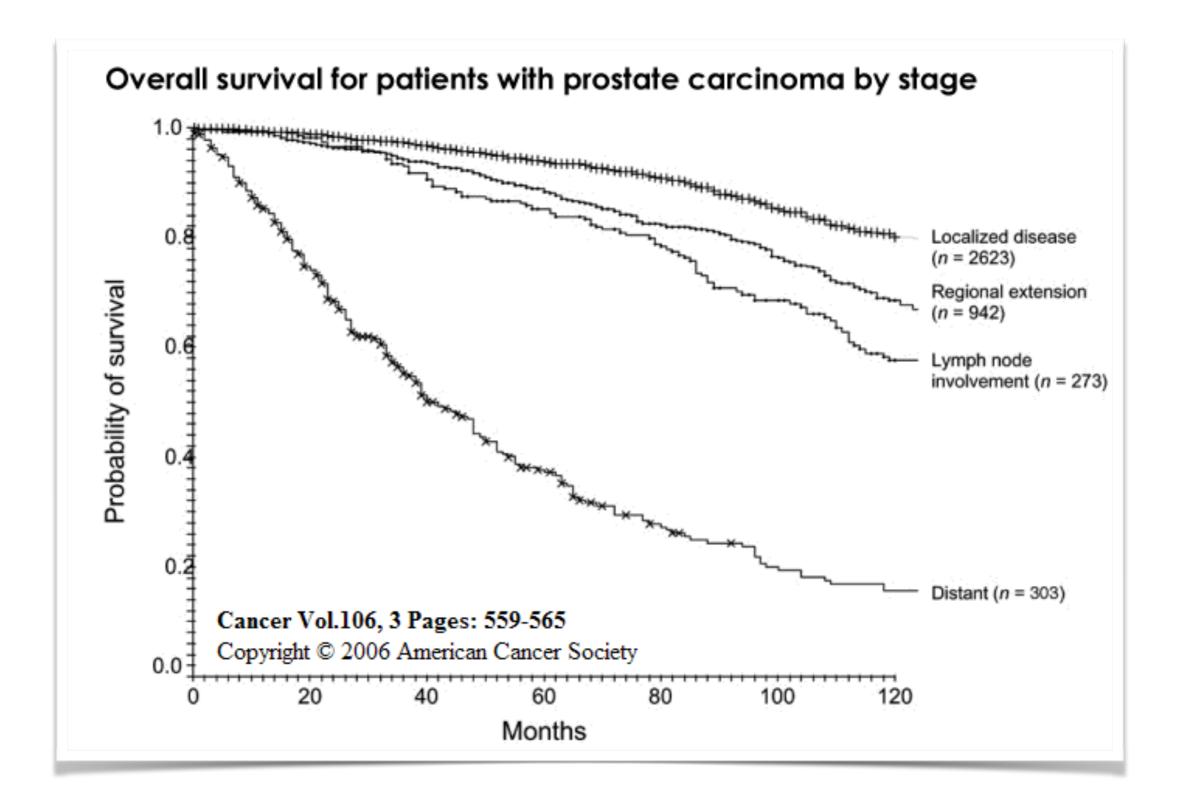
ADT + Docetaxel



First-line therapy for advanced prostate cancer



First-line therapy for advanced prostate cancer



Tú no las puedes ver; yo, sí. Claras, redondas, tibias. Despacio se van a su destino; despacio, por marcharse más tarde de tu carne. Se van a nada; son eso no más, su curso. Y una huella, a lo largo, que se borra en seguida. ¿Astros?

Τú

no las puedes besar. Las beso yo por ti. Saben; tienen sabor a los zumos del mundo. iQué gusto negro y denso a tierra, a sol, a mar! Se quedan un momento en el beso, indecisas entre tu carne fría y mis labios; por fin las arranco. Y no sé si es que eran para mí. Porque yo no sé nada. ¿Son estrellas, son signos, son condenas o auroras? Ni en mirar ni en besar aprendí lo que eran. Lo que quieren se queda allá atrás, todo incógnito. Y su nombre también.

(Si las llamara lágrimas, nadie me entendería.)