What did we learn from trials that failed?

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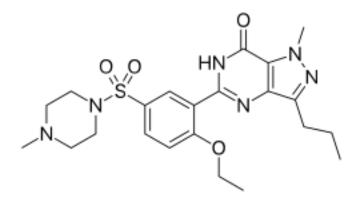


Conflicts of interest

Type of affiliation / financial interest	Name of commercial company
Research funding, speaker and advisory honoraria	Astellas
Research funding, speaker and advisory honoraria	AstraZeneca
Speaker and advisory honoraria, travel support	Bayer
Speaker and advisory honoraria, travel support	BMS
Research funding	Exelixis
Speaker and advisory honoraria, travel support	Ipsen
Speaker and advisory honoraria, travel support	Jansssen
Speaker and advisory honoraria, travel support	Merck Serono
Speaker and advisory honoraria, travel support	MSD
Research funding, speaker and advisory honoraria	Novartis / AAA
Research funding, speaker and advisory honoraria	Pfizer
Research funding, speaker and advisory honoraria	Roche
Advisory honoraria	Seagen

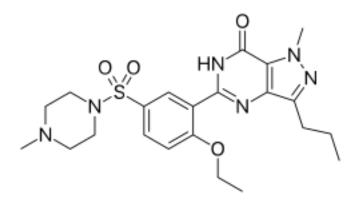
A history of failure

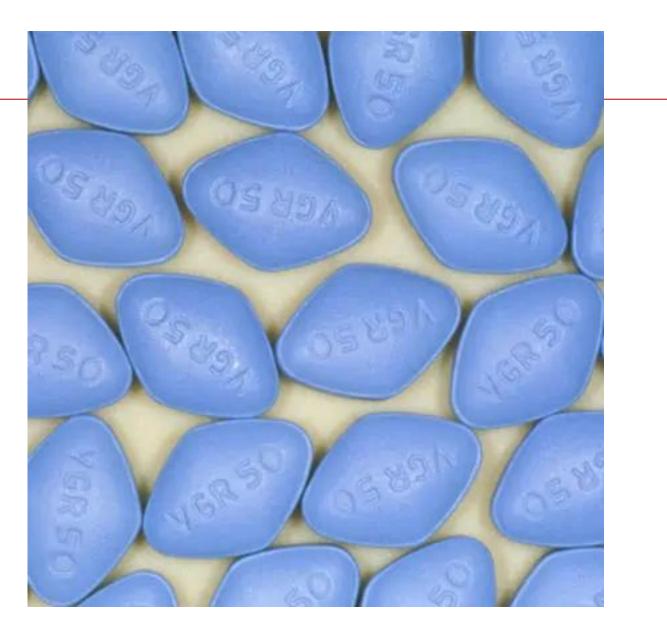
UK-92480 – a PDE5 inhibitor



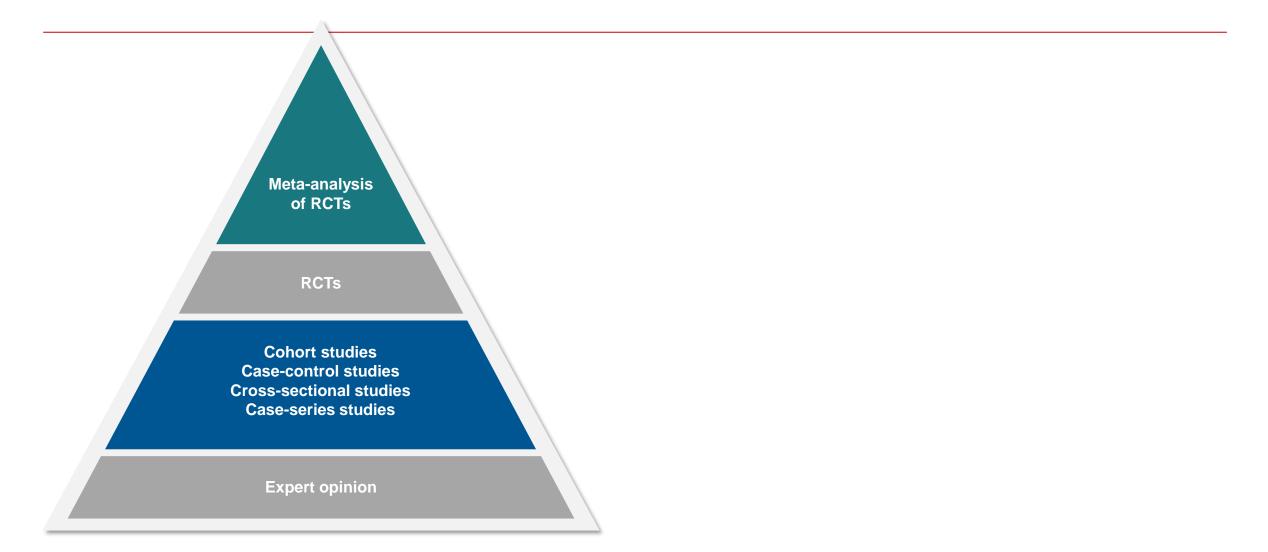
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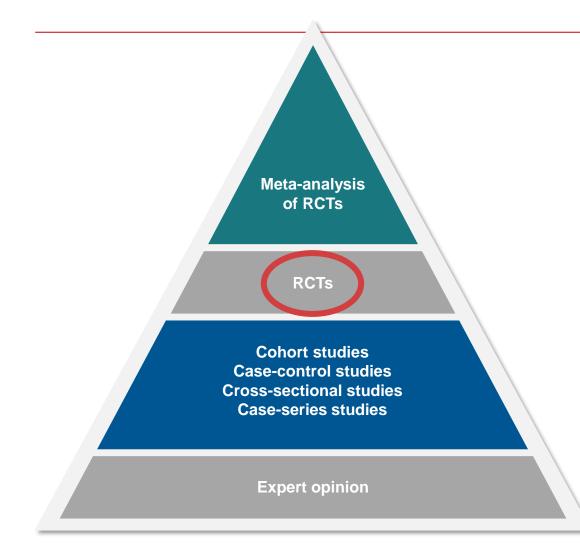




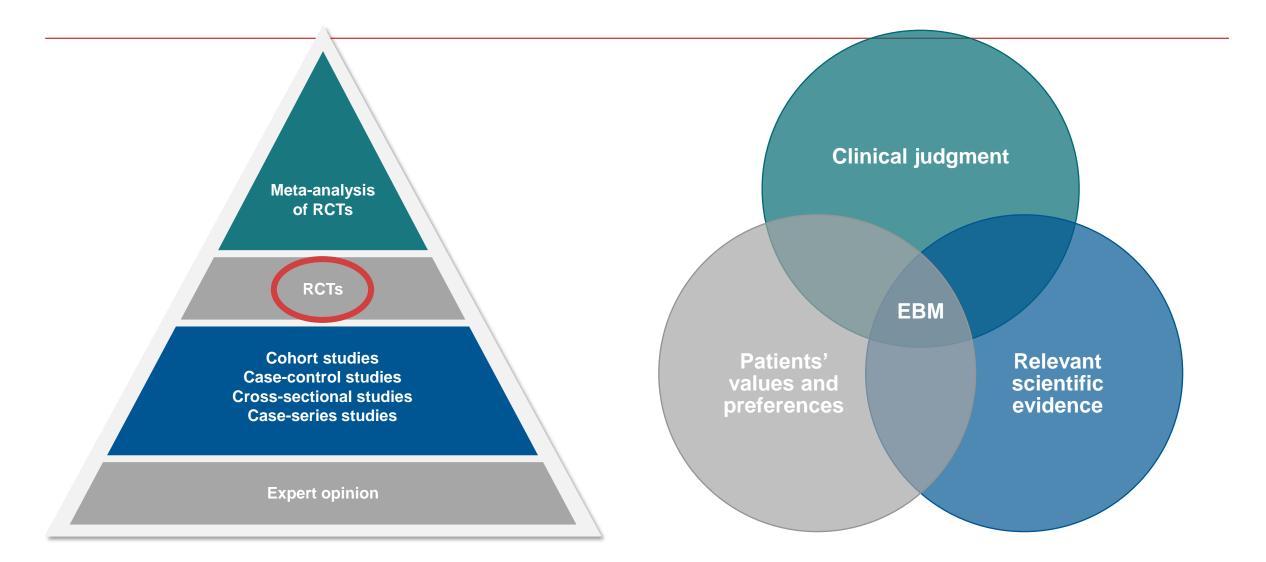
Why do we do trials?



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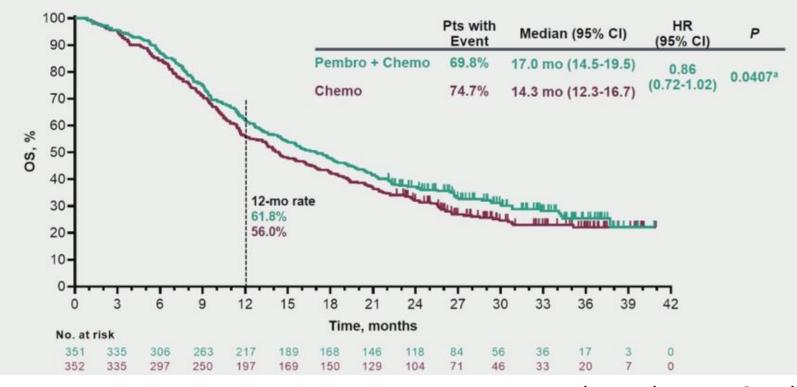


"Failure is success in progress."

— Albert Einstein

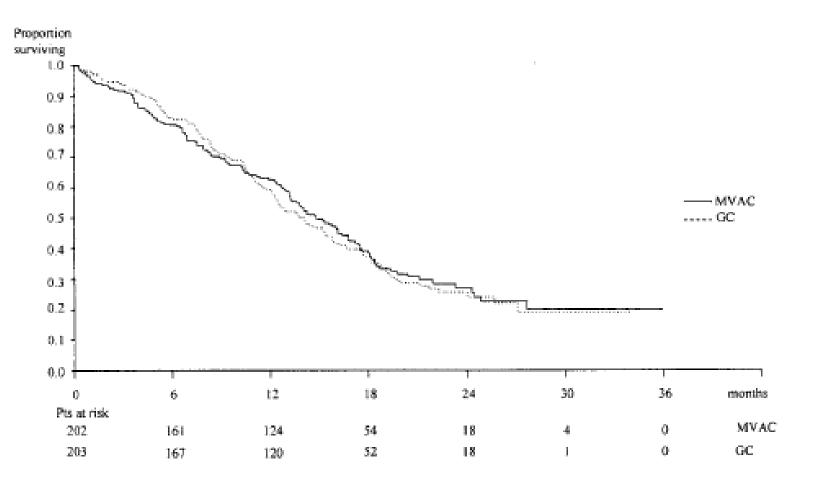


- Practice affirmation: Keynote 361
 - **OS: Pembro + Chemo vs Chemo, ITT Population**



Powles et al. Lancet Oncology 2020

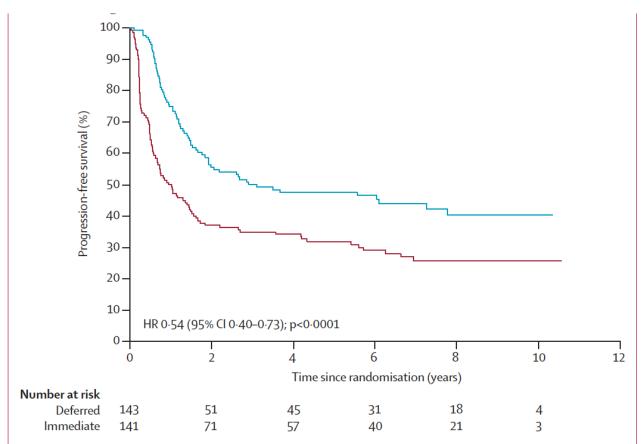
• Demonstrating that a treatment isn't safe / tolerable (with minimal harm done)



von der Maase et al. 2000

BLADDR 2022

Failure to accrue



Sternberg et al. Lancet Oncol 2015; 16: 76–86 BLADDR 2022

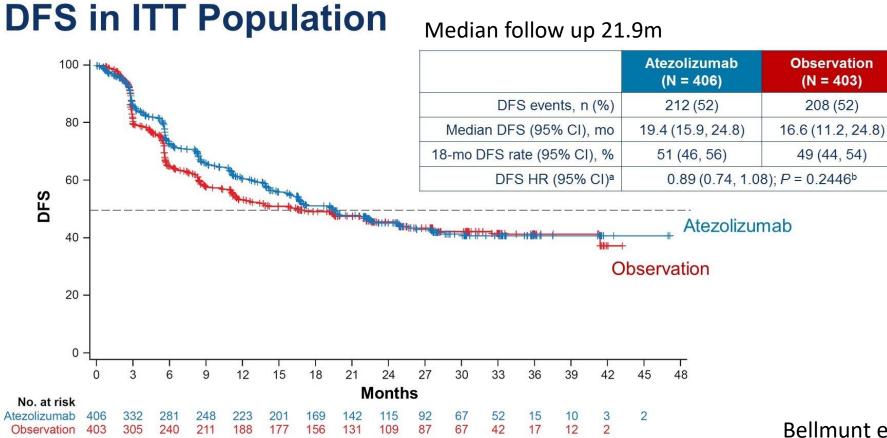
- Failure of the system
 - Funding
 - Investigator failure
 - Failure of design

So what did we learn from the trials that failed in urothelial cancer?



Exploratory data from one trial generate the next trial

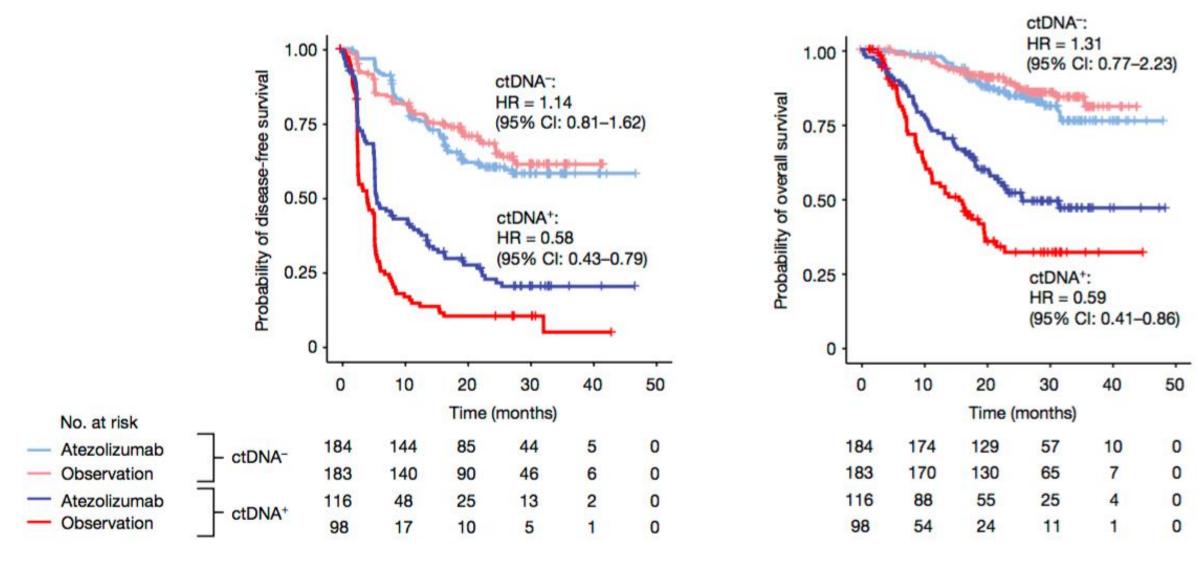
ImVigor-010



Bellmunt et al. Lancet Oncol 2021; 22: 525-37

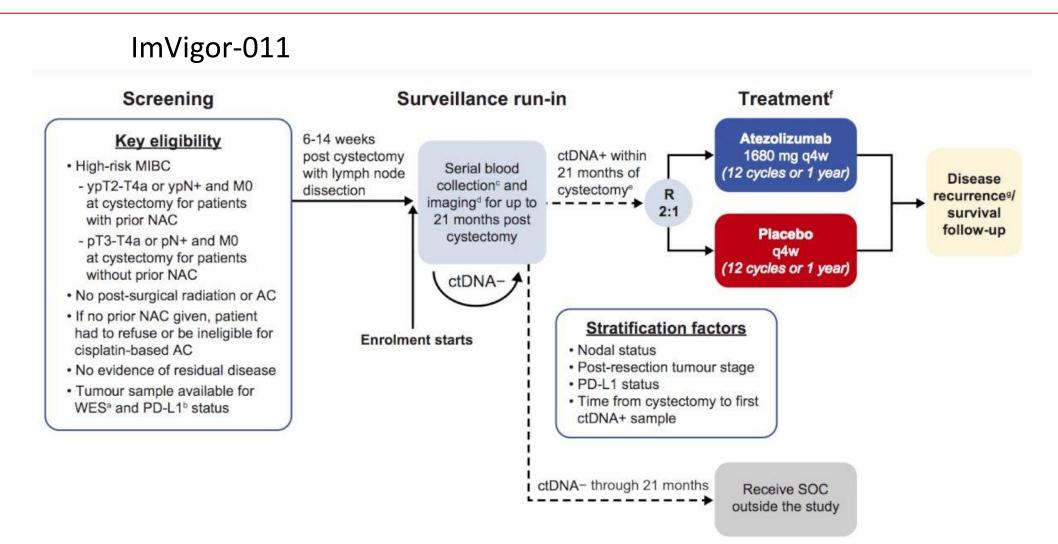
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Exploratory data from one trial generate the next trial



Powles et al. 432 | Nature | Vol595 | 15July2021

Exploratory data from one trial generate the next trial



Powles et al. ESMO 2021

"It is impossible to live without failing at something unless you live so cautiously that you might as well not have lived at all, in which case you have failed by default."

— J.K. Rowling

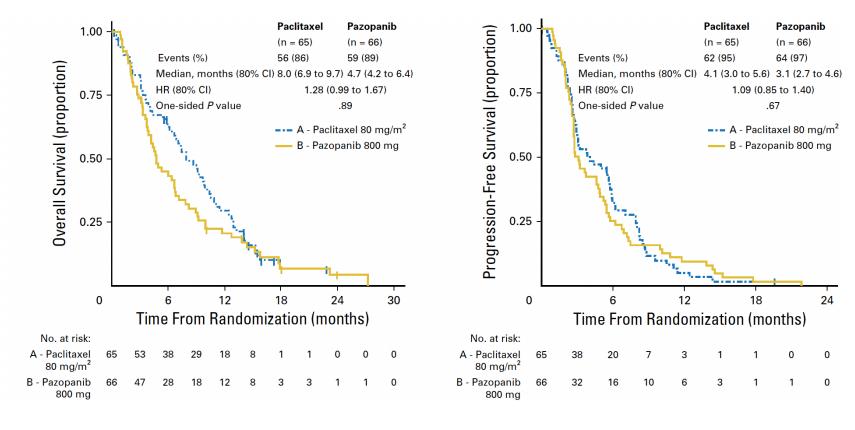


If you never fail, you're probably not trying hard enough

• BUT, we owe it to our patients to protect them from unwarranted risk of failure

If you never fail, you're probably not trying hard enough

Randomised phase II



Jones et al. J Clin Oncol 2017

"It's fine to celebrate success but it is more important to heed the lessons of failure."





If we do fail, we should make sure we fail comprehensively, so we don't have to try and fail again

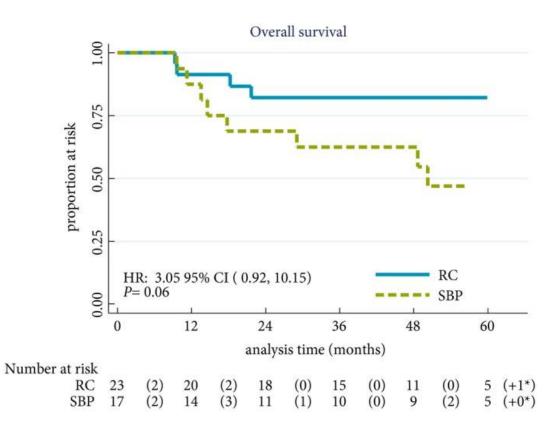
Which is best for MIBC: Cystectomy or radical radiotherapy?



If we do fail, we should make sure we fail comprehensively, so we don't have to try and fail again

Which is best for MIBC: Cystectomy or radical radiotherapy?

Non-inferiority trial N=1015





- If we knew what we were doing, it wouldn't be research*
 - So failure is part of success
- Failed trials provide valuable data and tissue to generate new hypotheses
- We owe it to our patients to minimize exposure to failure
- We must only fail in the same way once