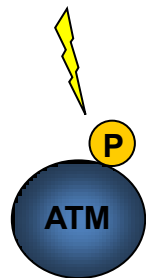


A

Therapy (dsDNA damage)

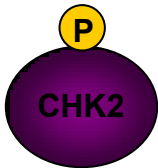
Initial cohort (n = 69)
18 Patients with PD



5 *TP53* and *CHK2* wt
PD-patients with
low ATM levels

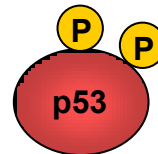
Validation cohort (n = 109)
10 Patients with PD

4 *TP53* and *CHK2* wt
PD patients with
low ATM levels



1 PD patient with
mutations in *CHK2*

2* PD patient with
mutations in *CHK2*



12 PD patients with
mutations in *TP53*

5* PD patients with
mutations in *TP53*



Apoptosis

Growth arrest

Senescence

* 1 patient with both
TP53 and *CHK2* mutation

B

