

## Identification of monoallelic ATM loss-of-function and homologous recombination deficiency (HRD) in high-grade ovarian tumor with prolonged response to camonsertib and low-dose gemcitabine combination therapy

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ample Type	Genomic Analysis	Tumor Ploidy	Tumor Purity	АТМ	TP53	Other	Genomic Signatures	ATM IHC H-score	
Primary (fallopian tube)	SNiPDx	2.9	61%	Unaltered	p.Arg248Trp (74.1%, biallelic)	MYC gain	ovaHRDscar GIS-I	Intact (H-score = 160, 90% positive)	(fa
Primary (fallopian tube)	WGS	3.8	50%	Unaltered	p.Arg248Trp (76.2%, biallelic)	MYC gain	CHORD HRD+ ( <i>BRCA1</i> Type)	Not tested	
Metastasis (right pelvic mass)	WGS	2.9	42%	c.49101G>A (20.2%, monoallelic)	p.Arg248Trp (62.1%, biallelic)	CCNE1 gain MYC gain	CHORD HRD+ ( <i>BRCA1</i> Type)	Not tested	
Metastasis (right distal ureter)	SNiPDx	2.8	41%	c.49101G>A (25.2%, monoallelic)	p.Arg248Trp (43.8% biallelic)	CCNE1 gain MYC gain	ovaHRDscar GIS+	Loss (H-score = 1, 1% positive)	м
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Case Description					
A 60-year-old female diagnosed with HSGOC Treated with 3 prior lines of therapy and was both platinum and PARPi resistant Phase lb TRESR trial enrollment					
Received a starting dose of 80 mg camonsertib (3d on/4d off) + 1000 mg/m <sup>2</sup> gemcitabine on a 21d cycle (2w on/1 w off)	ATM IHC				
Due to a lack of tolerability (primarily hematologic), patient had sequential dose reductions to reach a tolerated combination dose of 50 mg camonsertib (2d on/5d off) + 200 mg/m <sup>2</sup> gemcitabine on a 28d cycle (1w on/1w off)					
A partial RECIST 1.1 response was observed at 4 months and sustained despite the significant dose reductions	H/E				
After an increase in target lesions and CA-125 (at month 13), camonsertib dose was increased to 80 mg while gemcitabine dose was maintained at 200 mg/m <sup>2</sup>					
After which the target lesions decreased to nadir at 76w with concomitant CA-125 decrease Patient achieved a durable response and remained on treatment for 1 year and 7 months					

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