**Suppl 5.**Poly (ADP-ribose) polymerase (PARP) is one of the enzymes that repair damaged DNA. In normal cells, even if PARP inhibitors block PARP’s DNA repair function, the cells can survive because breast cancer 1 (BRCA1) or BRCA2, which has other DNA repair functions, can still function. BRCA1 or BRCA2 wherein a pathogenic variant (PV) has been detected cannot repair damaged DNA. In cancer cells wherein BRCA1 PV or BRCA2 PV is detected, BRCA1 or BRCA2 cannot repair damaged DNA; therefore, such cancer cells are killed by PARP inhibitors.