Research collaboration Challenges and opportunities

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Challenges

Well established research groups

Regional networks

Registries

Challenges

Funding challenges

Support and trust of Pharma Companies

• Phase I studies

Opportunities

Genetic/molecular basis of cancer in the region

• Epidemiological studies

• Pharmacogenetic studies

Opportunities

• Research in advanced cancers: locally advanced/metastatic cancers e.g: breast, rectal cancer

• Breast cancer: younger age, premenopausal

Figure 3.1.1: Age-Specific Incidence Rate (AIR) for Breast Cancer Among Saudi Females, 2014

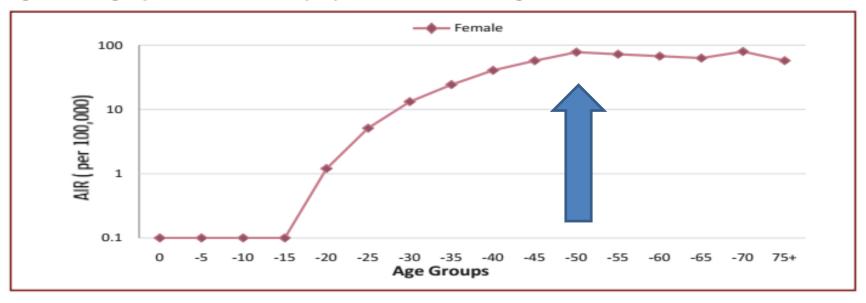


Figure 3.1.2: Stage Distribution of Breast Cancer Among Saudi Females, 2014

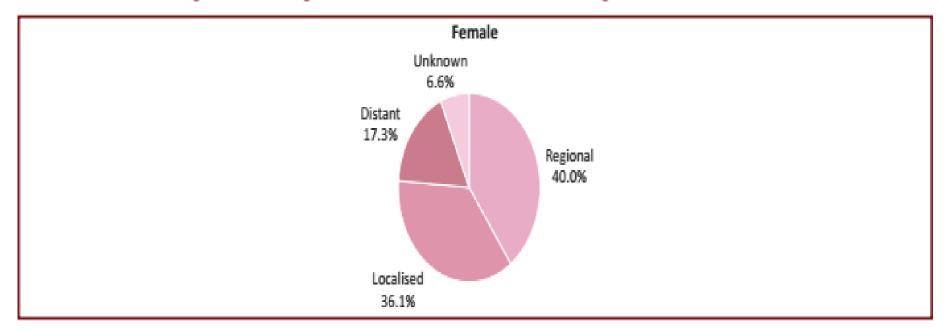


Figure 3.2.1: Age-Specific Incidence Rate (AIR) for Colorectal Cancer Among Saudi Nationals, 2014

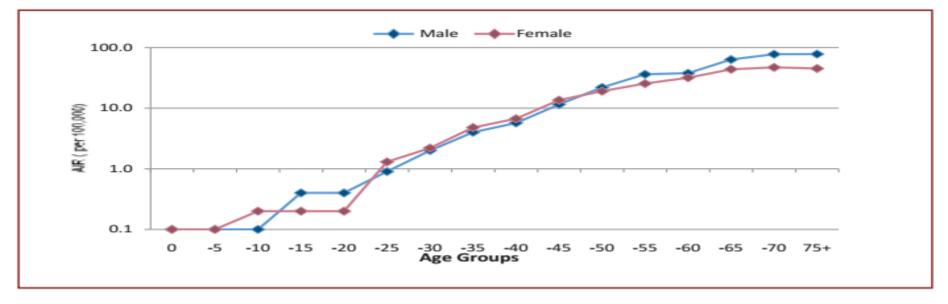
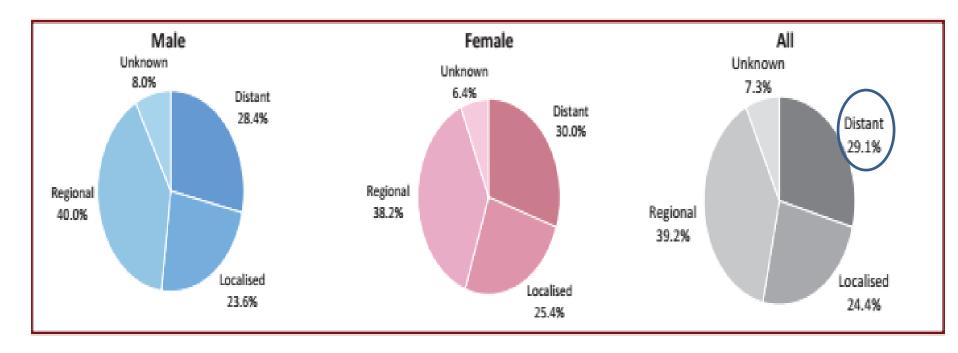


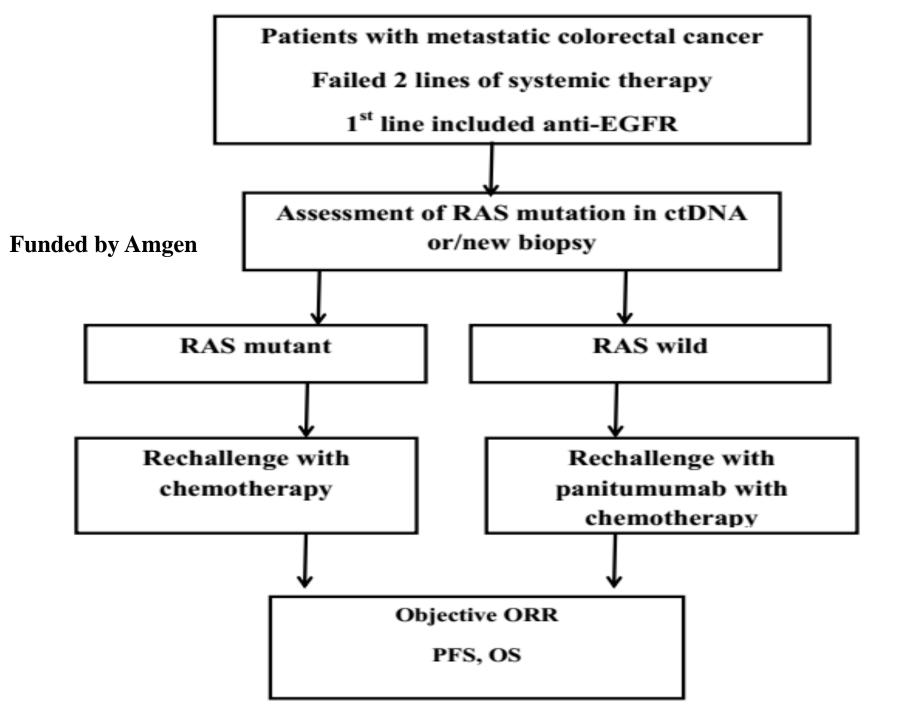
Figure 3.2.2: Stage Distribution of Colorectal Cancer in Saudi Arabia, 2014

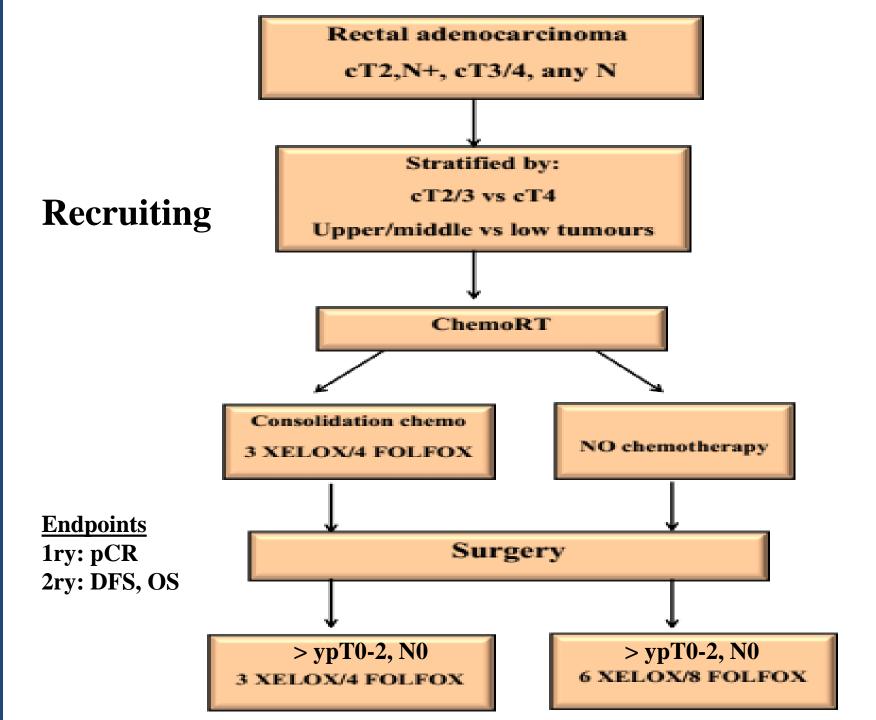


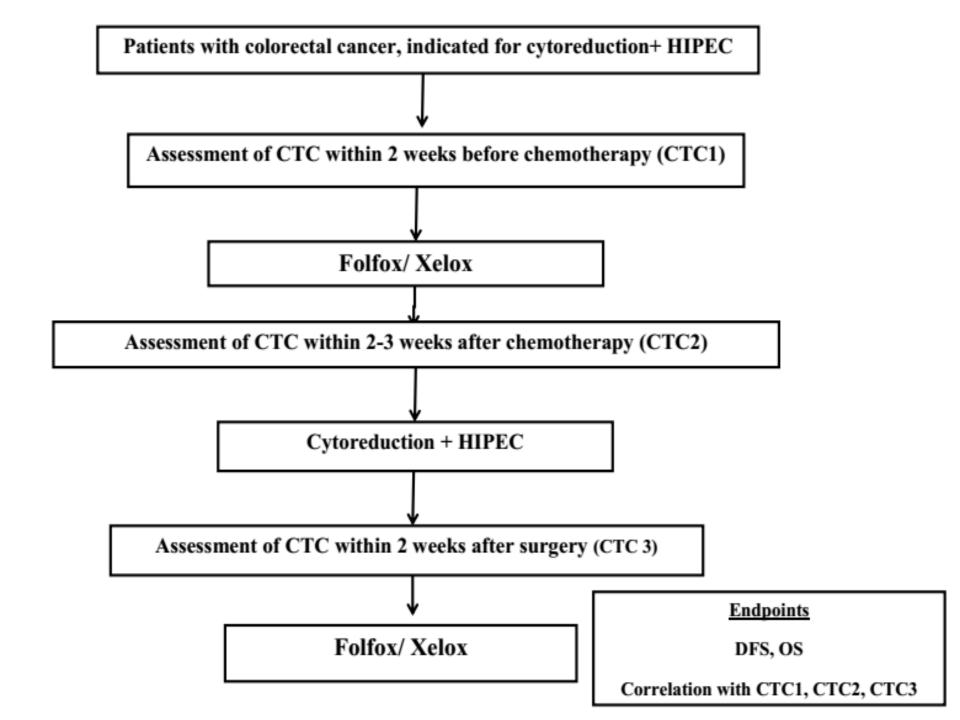
Opportunities-advanced CRC

Panitumumab rechallenge in metastatic CRC: in process

• Consolidation chemotherapy after neoadjuvant chemoRT in Rectal cancer: Recruiting







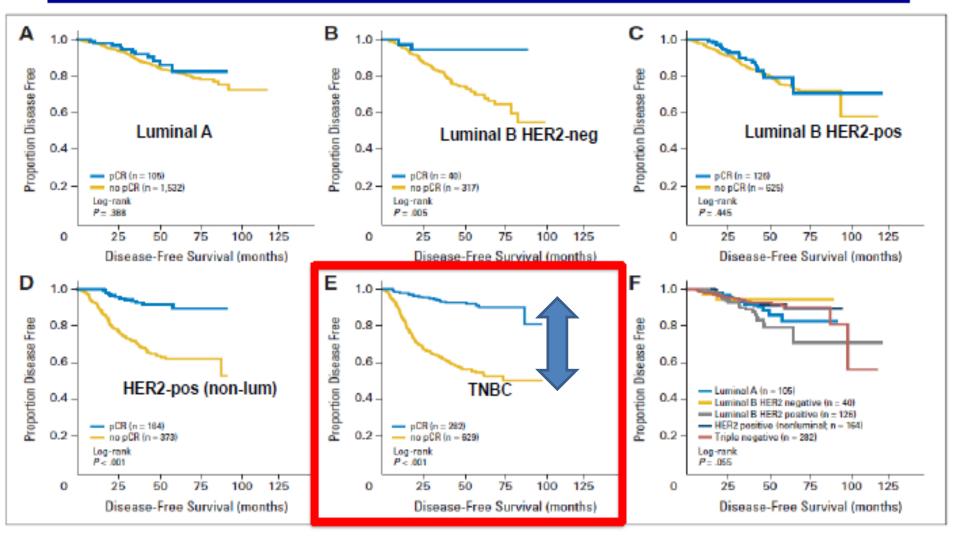
Opportunities-advanced BC

Adjuvant IO in TNBC in non-pCR after NAC

• HER2: duration of Pertuzumab, TDM1

pCR vs. PFS by Subtype

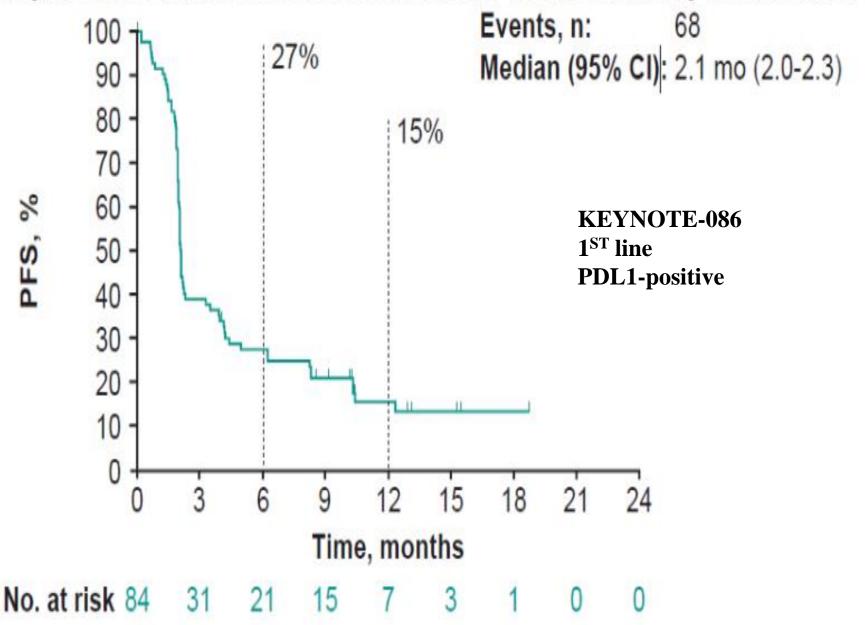
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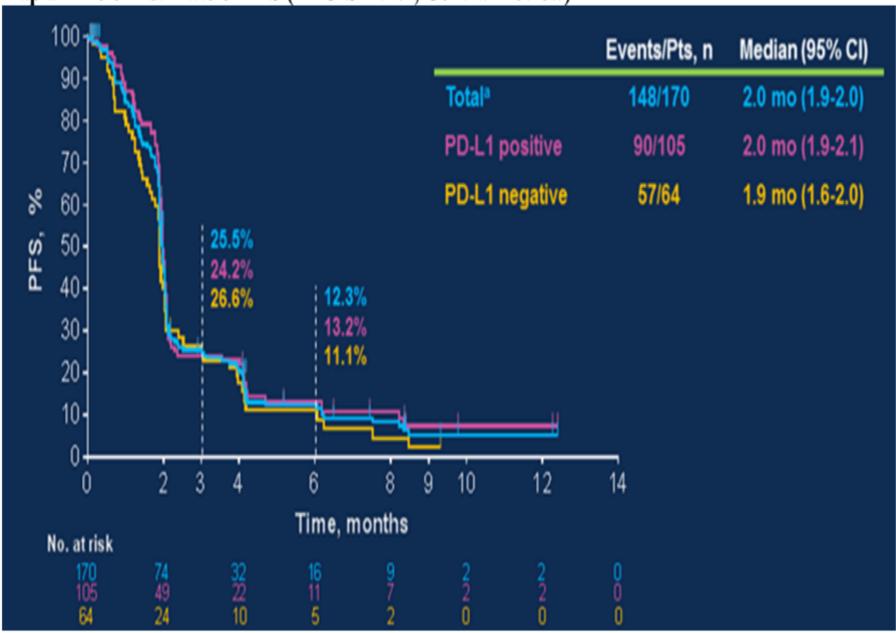
Gene Expressions in TNBC

Subtype	Gene Expression Profile / High Expression of Genes
Basal-like 1 (BL-1)	cell cycle progression, cell division, and DNA damage response pathways
Basal-like 2 (BL.2)	cell cycle progression, cell division and growth factor signalling
Immunomodulatory	immune processes and cell signaling
Mesenchymal Mesenchymal stem-like	motility and extracellular matrix motility, extracellular matrix, growth factor signalling (consistent with claudin-low)
Luminal androgen receptor	hormonally regulated pathways

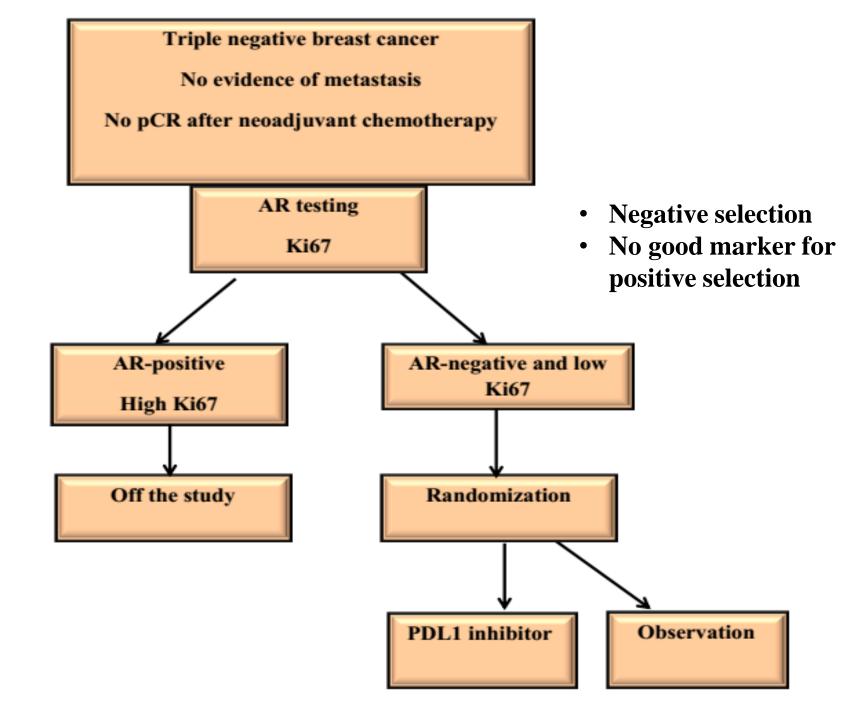
Kaplan-Meier Estimate of PFS Based on RECIST v1.1 as Assessed by Central Review



Kaplan-Meier Estimate of PFS (RECIST v1.1, Central Review)



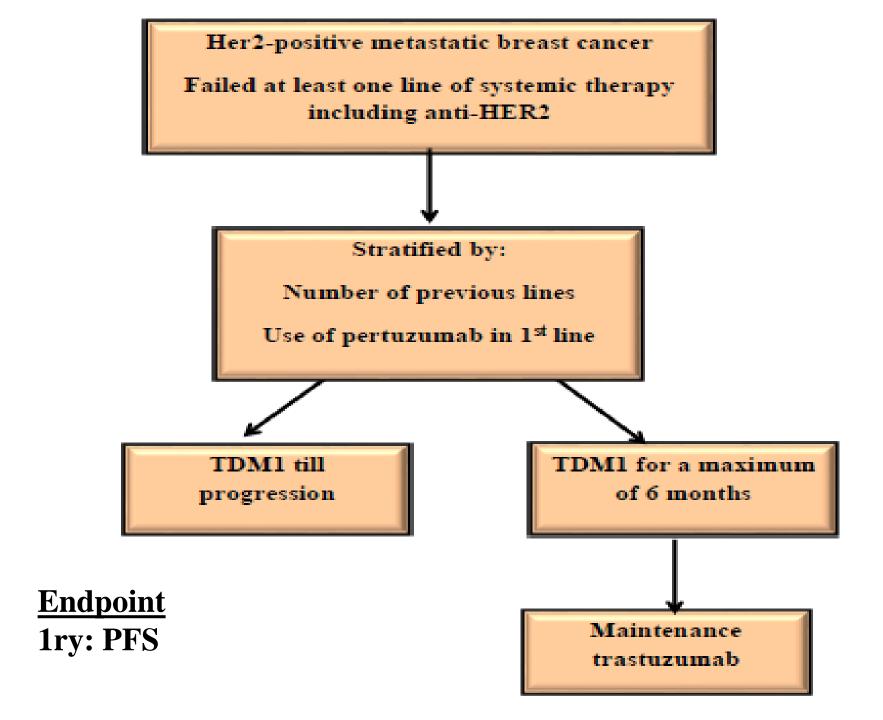
^aIncluded 1 patient with unknown PD-L1 status who experienced PD.

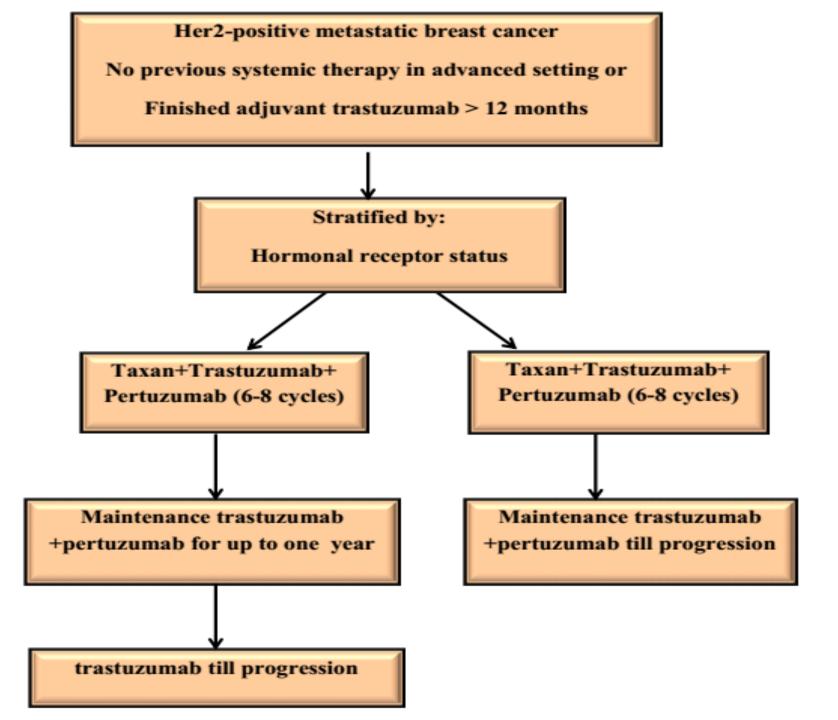


Opportunities-advanced BC

• Adjuvant IO in TNBC in non-pCR after NAC

• HER2: duration of Pertuzumab, TDM1





Conclusion

- Establishing research groups and networks
- Infrastructure and research funding
- More efforts in screening and early detection
- Research in young and advanced cancer patients
- Epidemiology and molecular basis of cancer in our population

