Farnesoid X receptor (FXR) status complements the evaluation of estrogen receptor alpha (ER) in breast cancer (BC) patients and predicts poor response to tamoxifen

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Conclusions

- Microarray database analyses confirm the expression of FXR in breast cancer specimens
- In total population, FXR brings forth a significant prognostic information
- In ER+/node+ subgroup, high FXR is associated with poor survival, similar to Ki-67 marker
- In ER+/node+ subgroup, high FXR tends to predict poor response to tamoxifen, especially in a 10 year follow-up
- In ER-/age<50 subgroup, high FXR is of poor prognosis, particularly in long-term follow-up, and it seems related to the occurrence of distant relapses</p>