1173-57-158 **Sally Collins*** (sallycollins@gatech.edu). *The figure-eight knot and its image under the Mazur pattern.* Preliminary report.

Given two knots K_1 and K_2, their 0-surgery manifolds $S^3_0(K_1)$ and $S^3_0(K_2)$ are homology cobordant rel meridian if they are homology cobordant preserving the homology class of the positively oriented meridian. It is known that if $K_1 \sim K_2$, then $S^3_0(K_1)$ and $S^3_0(K_2)$ are homology cobordant rel meridian. The converse of this statement was first disproved by Cochran-Franklin-Hedden-Horn using concordance invariants τ and s. In this talk we will provide a new counterexample, the pair of knots 4_1 and $M(4_1)$ where M is the Mazur satellite operator. $S^3_0(4_1)$ and $S^3_0(M(4_1))$, are homology cobordant rel meridian, and 4_1 and $M(4_1)$ are not only non-concordant but have concordance orders two and infinity, respectively. (Received September 19, 2021)