Effect of Exenatide Once-Weekly on Clinical Outcomes in Patients With Type 2 Diabetes Mellitus and Cardiovascular Disease: Insights From the EXSCEL Trial

Cardiovascular Disease: Insights From the EXSCEL Trial
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Background: Several cardiovascular (CV) outcomes trials of antihyperglycemic agents in patients with type 2 diabetes mellitus (T2DM) have demonstrated reductions in major adverse CV events (MACE) including mortality. EXSCEL topline results demonstrated that exenatide once-weekly did not increase CV risk based on the composite measure of MACE and showed a consistent safety profile among patients with and without CV disease. Fewer CV events were observed in the exenatide arm; however, the efficacy objective of reduction in CV risk did not reach statistical significance. The full results on the effect of exenatide once-weekly in patients with CV disease and the associated profile of response are pending.

Methods/Results: EXSCEL was an international, randomized, placebo-controlled pragmatic trial of the GLP-1 receptor agonist exenatide once-weekly in 14,752 patients with T2DM and a wide range of CV risk (i.e., with and without a prior CV event at baseline). Approximately 70% (N=10,782) of patients had at least one prior CV event (70% CAD, 24% PAD; 22% CVA). Analyses are underway to evaluate clinical outcomes and treatment responses specifically in patients with a prior CV event. Another control of the viction of the control of the viction of vic

Conclusions: Following the presentation of the primary EXSCEL results at the EASD on September 14, 2017, the present analysis will represent the first key secondary analysis from the largest GLP-1 receptor agonist trial completed to date. Results from the presentation will focus on the group of patients with baseline CV disease and factors associated with all-cause mortality and CV outcomes.