

Multidisciplinary insights on the role of GLP-1 RAs in the modern management of stroke in patients with T2D

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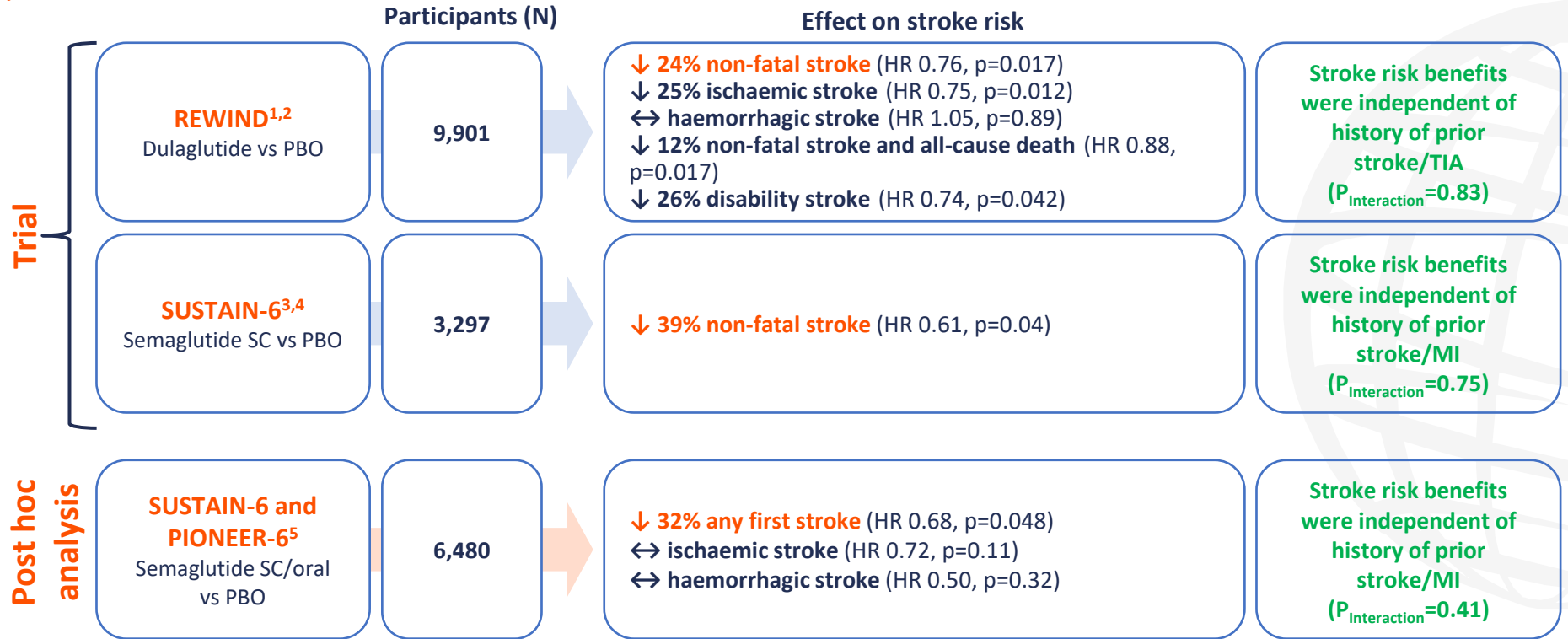
Professor & Chairman of Second
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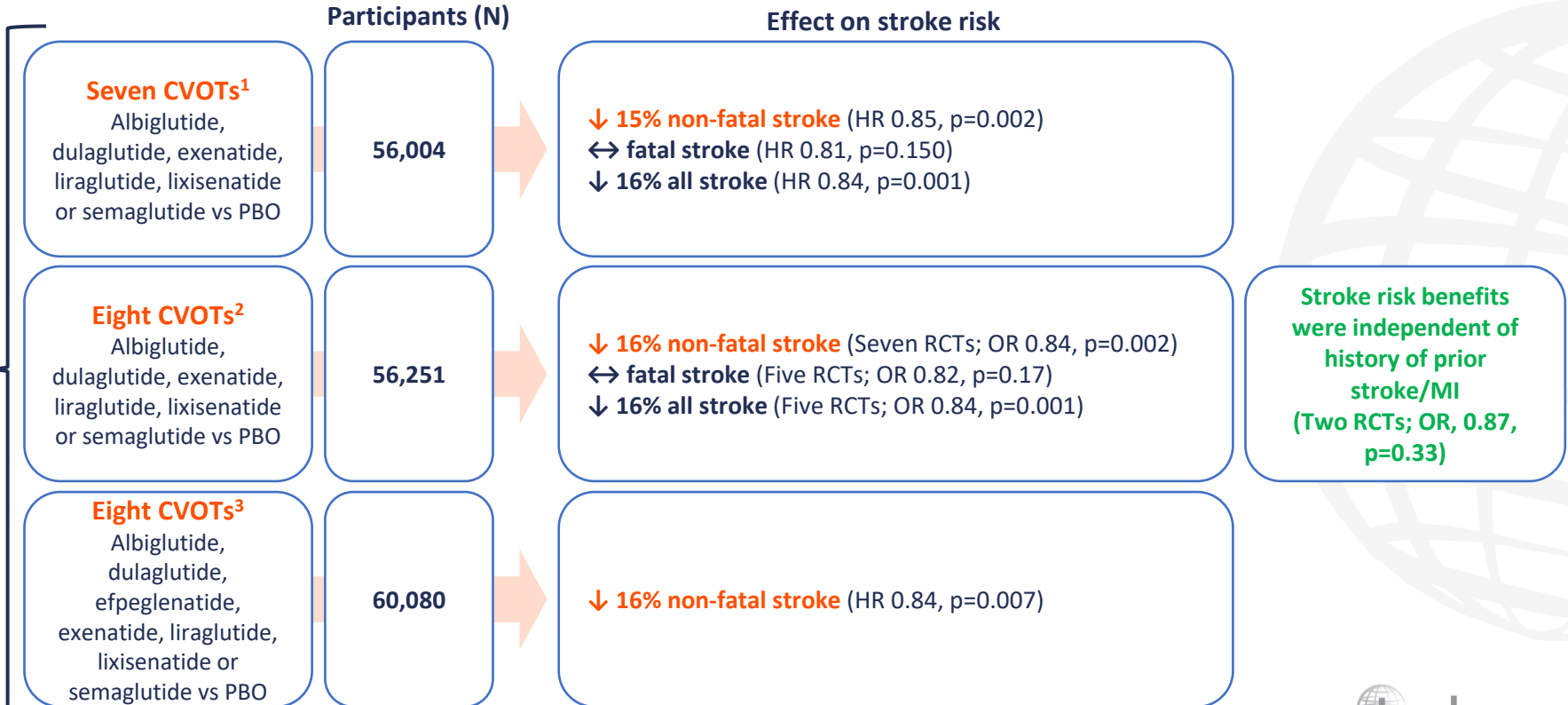
Evidence of GLP-1 RAs reducing incidence of stroke in T2D (1/2)



GLP-1 RA; glucagon-like peptide-1 receptor agonist; HR, hazard ratio; MI, myocardial infarction; PBO, placebo; SC, subcutaneous; TIA, transient ischaemic attack; T2D, type 2 diabetes.
 1. Gerstein HC, et al. *Lancet*. 2019;394:121–30; 2. Gerstein HC, et al. *Lancet Diabetes Endocrinol*. 2020;8:106–14; 3. Marso SP, et al. *N Engl J Med*. 2016;375:1834–44; 4. Leiter LA, et al. *Cardiovasc Diabetol*. 2019;18:73; 5. Strain WD, et al. *Stroke*. 2022;53:2749–57.

Evidence of GLP-1 RAs reducing incidence of stroke in T2D (2/2)

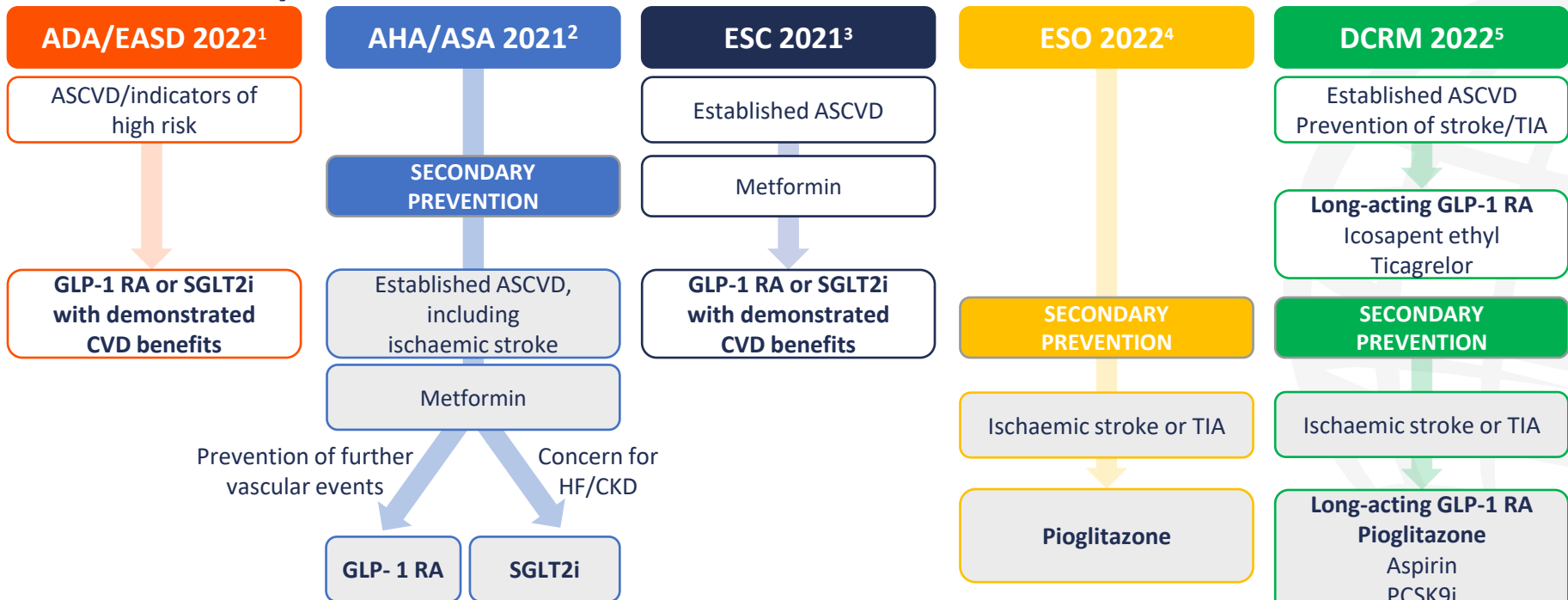
Meta-analyses



CVOT, cardiovascular outcomes trial; GLP-1 RA, glucagon-like peptide-1 receptor agonist; HR, hazard ratio; MI, myocardial infarction; OR, odds ratio; PBO, placebo; RCT, randomized controlled trial; T2D, type 2 diabetes.

1. Bellastella G, et al. *Stroke*. 2020;51:666–9; 2. Malhotra K, et al. *J Neurol*. 2020;26:2117–22; 3. Giugliano D, et al. *Cardiovasc Diabetol*. 2021;20:189.

Guideline recommendations for the use of GLP-1 RAs for the management of stroke in patients with T2D



ADA, American Diabetes Association; AHA, American Heart Association; ASA, American Stroke Association; ASCVD, atherosclerotic cardiovascular disease; CKD, chronic kidney disease; CVD, cardiovascular disease; DCRM, diabetes, cardiorenal and/or metabolic disease; ESC, European Society of Cardiology; ESO, European Stroke Organisation; GLP-1 RA, glucagon-like peptide-1 receptor agonist; HF, heart failure; PCSK9i, proprotein convertase subtilisin/kexin type 9 inhibitor; SGLT2i, sodium-glucose cotransporter 2 inhibitor; T2D, type 2 diabetes; TIA, transient ischaemic attack.

1. Davis MJ, et al. *Diabetologia*. 2022;doi: 10.1007/s00125-022-05787-2; 2. Kleindorfer DO, et al. *Stroke*. 2021;52:e364–467; 3. Visseren FLJ, et al. *Eur Heart J*. 2021;42:3227–337;

4. Dawson J, et al. *Eur Stroke J*. 2022;7:1–11; 5. Handelsman Y, et al. *J Diabetes Complications*. 2022;26:108101.