Conclusion: In the 16-week EQUATOR trial, the effects of filgotinib on key efficacy endpoints were generally consistent across a range of subgroups based on patient, disease, and treatment characteristics.

References:

Acknowledgments: The EQUATOR trial was sponsored by Galapagos NV and co-funded by Galapagos NV and Gilead Sciences. Medical writing support was provided by Hannah Mace MPPharmacol, CMPPP (Aspire Scientific Ltd, Bollington, UK) and funded by Galapagos NV (Mechelen, Belgium).

Disclosure of Interests: Philip Helliwell: None declared, Filip van den Bosch Consultant of: AbbVie, Celgene Corporation, Eli Lilly, Galapagos, Janssen, Novartis, Pfizer, and UCB, Speakers bureau: AbbVie, Celgene Corporation, Eli Lilly, Galapagos, Janssen, Novartis, Pfizer, and UCB, Laura C Coates: None declared, Dafna D Gladman Grant/research support from: AbbVie, Amgen Inc., BMS, Celgene Corporation, Janssen, Novartis, Pfizer, UCB – grant/research support, Consultant of: AbbVie, Amgen Inc., BMS, Celgene Corporation, Janssen, Novartis, Pfizer, UCB – consultant, Chantal Tasset Shareholder of: Galapagos (share/warrant holder), Employee of: Galapagos, Luc Meuleners Employee of: Galapagos, Leen Gilles Consultant of: Galapagos, Lien Gheyse Employee of: Galapagos, Mona Trivedi Shareholder of: Amgen and Gilead Sciences, Employee of: Gilead Sciences, Muhsen Alani Employee of: Gilead Sciences, Robin Besuyen Shareholder of: Galapagos, Employee of: Galapagos, Philip J Mease Grant/research support from: Abbott, Amgen, Biogen Idec, BMS, Celgene Corporation, Eli Lilly, Novartis, Pfizer, Sun Pharmaceutical, UCB – grant/research support, Consultant of: Abbott, Amgen, Biogen Idec, BMS, Celgene Corporation, Eli Lilly, Novartis, Pfizer, Sun Pharmaceutical, UCB – consultant, Speakers bureau: AbbVie, Amgen, Biogen Idec, BMS, Eli Lilly, Genentech, Janssen, Pfizer, UCB – speakers bureau.

DO 10.1136/annrheumdis-2020-eular.2494

THE LONG-TERM EFFECT OF TREATING PSORIATIC ARTHRITIS WITH THE JANUS KINASE 1-SELECTIVE INHIBITOR FILGOTINIB ON LIPID PROFILES: AN ANALYSIS OF THE EQUATOR AND EQUATOR TRIALS


Background: Cardiovascular (CV) comorbidities are common in psoriatic arthritis (PsA); patients are at high risk for major adverse cardiovascular events (MACE). In the Phase 2, double-blind, randomized EQUATOR trial, significant improvements across multiple PsA domains were observed with the oral selective Janus kinase (JAK) 1 inhibitor filgotinib compared with placebo. Inhibition of JAK signal transducer and activator of transcription signaling is associated with raised serum lipids.

Objectives: To evaluate the effects of filgotinib on the lipid profile of PsA patients and determine if those with higher MACE risk show similar changes in lipid profile compared with the overall population.

Methods: In EQUATOR, 131 patients with active PsA received filgotinib 200 mg (n=65) or placebo (n=66) once daily for 16 weeks. Patients completing EQUATOR could enter the ongoing EQUATOR2 open-label extension (OLE; NCT03320876), in which patients receive filgotinib 200 mg for up to 148 weeks. Effects of filgotinib on total cholesterol (TC), high-density lipoprotein cholesterol (HDL-C), low-density lipoprotein cholesterol (LDL-C) and TC/HDL-C ratio at OLE Week 52 (68 weeks after EQUATOR initiation) were analyzed. In a post hoc analysis, patients were classified into subgroups according to presence/absence of obesity (baseline body mass index [BMI] ≥30 vs <30 kg/m2, respectively), diabetes mellitus, arterial hypertension (≥130/80 mmHg), hyperlipidemia, and metabolic syndrome. Changes in lipid levels were explored graphically.

Results: Among 124 patients (92%) enrolled in the OLE. 10.1136/annrheumdis-2020-eular.2495

Conclusions: In patients exposed to filgotinib for ≥52 weeks, the effects on lipid profile were consistent regardless of baseline CV risk. Lipid changes included an elevation in TC and HDL-C, with a decrease in TC/HDL-C ratio.

Acknowledgments: Studies were sponsored by Galapagos NV; co-funded by Galapagos NV and Gilead Sciences. Writing support from Hannah Mace MPPharmacol, CMPPP (Aspire Scientific Ltd, Bollington, UK) was funded by Galapagos NV (Mechelen, Belgium).

Disclosure of Interests: M Elaine Husni Grant/research support from: Pfizer, Consultant of: AbbVie, Bristol-Myers Squibb, Eli Lilly, Janssen, Novartis, Regeneron, and UCB, Dafna D Gladman Grant/research support from: AbbVie, Amgen Inc., BMS, Celgene Corporation, Janssen, Novartis, Pfizer, UCB – grant/research support, Consultant of: AbbVie, Amgen Inc., BMS, Celgene Corporation, Janssen, Novartis, Pfizer, UCB – consultant, Philip Helliwell: None declared, Filip van den Bosch Consultant of: AbbVie, Celgene Corporation, Eli Lilly, Galapagos, Janssen, Novartis, Pfizer, UCB, Speakers bureau: AbbVie, Celgene Corporation, Eli Lilly, Galapagos, Janssen, Novartis, Pfizer, UCB, Chantal Tasset Shareholder of: Galapagos (share/warrant holder), Employee of: Galapagos, Luc Meuleners Employee of: Galapagos, Leen Gilles Consultant of: Galapagos, Lien Gheyse Employee of: Galapagos, Mona Trivedi Shareholder of: Amgen and Gilead Sciences, Employee of: Gilead Sciences, Muhsen Alani Employee of: Gilead Sciences, Robin Besuyen Shareholder of: Galapagos, Employee of: Galapagos, Philip J Mease Grant/research support from: Abbott, Amgen, Biogen Idec, BMS, Celgene Corporation, Eli Lilly, Novartis, Pfizer, Sun Pharmaceutical, UCB – grant/research support, Consultant of: Abbott, Amgen, Biogen Idec, BMS, Celgene Corporation, Eli Lilly, Novartis, Pfizer, Sun Pharmaceutical, UCB – consultant, Speakers bureau: AbbVie, Amgen, Biogen Idec, BMS, Eli Lilly, Genentech, Janssen, Pfizer, UCB – speakers bureau.

DO 10.1136/annrheumdis-2020-eular.2494

Figure 1. Change from baseline in lipid profile in non-obese and obese patients

In patients exposed to filgotinib for ≥52 weeks, the effects on lipid profile in these patients was similar to that in the overall population. During the RCT phase, another six patients in the filgotinib group and one in the placebo group began taking LLDS. In patients exposed to filgotinib for ≥52 weeks, the effects on lipid profile in these patients was similar to that in the overall population. During the RCT phase, another six patients in the filgotinib group and one in the placebo group began taking LLDS.

References:

FR01344