



Long-term and sustained biochemical control of acromegaly and improved quality of life with CAM2029 octreotide subcutaneous depot: final analysis of the core phase of ACROINNOVA 2

Diego Ferone,¹ Maria Fleseriu,² Beverly M. K. Biller,³ Monica R. Gadelha,⁴ Julie M. Silverstein,⁵ Pietro Maffei,⁶ Aleksandra Gillis-Janusewska,⁷ Elena Isaeva,⁸ Pinar Kadioglu,⁹ Jochen Seufert,¹⁰ Jacob Råstam,¹¹ Maria Harrie,¹¹ Agneta Svedberg,¹¹ Alberto M. Pedroncelli,¹¹ Fredrik Tiber,¹¹ Joanna L. Spencer-Segal¹²

¹Endocrinology Unit, Department of Internal Medicine, IRCCS Ospedale Policlinico San Martino, Genova, Italy; ²Pituitary Center, Departments of Medicine and Neurological Surgery, Oregon Health and Science University, Portland, OR, USA; ³Neuroendocrine and Pituitary Tumor Clinical Center, Massachusetts General Hospital, Boston, MA, USA; ⁴Neuroendocrinology Research Center/Endocrinology Division, Medical School and Hospital Universitario Clementino Fraga Filho, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil; ⁵Division of Endocrinology, Metabolism and Lipid Research, Department of Neurosurgery, Washington University School of Medicine, St. Louis, MO, USA; ⁶Department of Medicine, Padua University Hospital, Padua, Italy; ⁷Department of Endocrinology, Jagiellonian University Medical College, Kraków, Poland; ⁸Interregional Clinical Diagnostic Center, Kazan, Russia; ⁹Division of Endocrinology-Metabolism and Diabetes, Department of Internal Medicine, Istanbul University-Cerrahpaşa, Istanbul, Turkey; ¹⁰Division of Endocrinology and Diabetology, Department of Medicine II, Medical Center, University of Freiburg, Freiburg, Germany; ¹¹Camurus AB, Lund, Sweden; ¹²Department of Internal Medicine and Michigan Neuroscience Institute, University of Michigan, Ann Arbor, MI, USA

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Presenting author: Diego Ferone

BACKGROUND

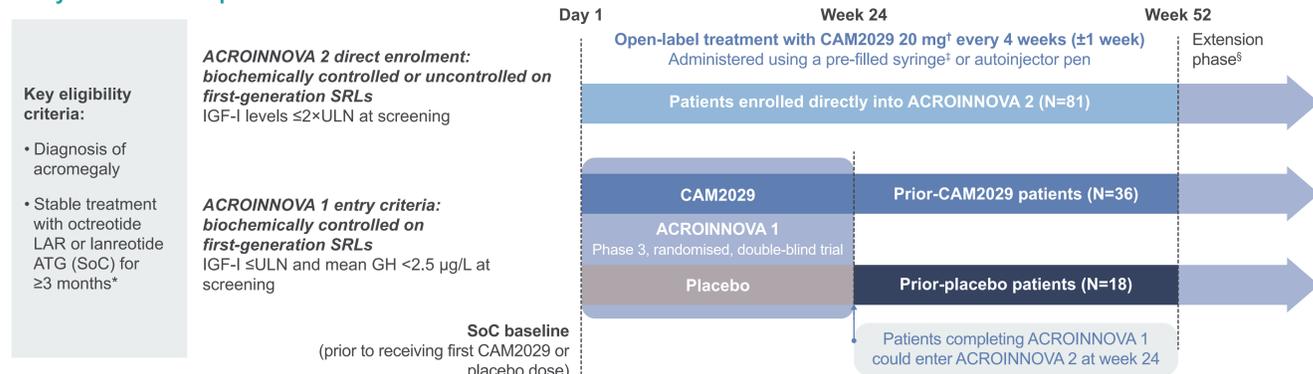
- Overproduction of growth hormone (GH) and insulin-like growth factor I (IGF-I) in acromegaly lead to substantial morbidity and significantly reduced quality of life (QoL)¹
- Biochemical control is essential to alleviate the symptoms and comorbidities of acromegaly¹
- The ability to self-administer medication and the associated ease of administration are important for patients with acromegaly²
- Injectable first-generation somatostatin receptor ligands (SRLs; octreotide long-acting repeatable [LAR] or lanreotide Autogel [ATG]) can provide effective biochemical control but are typically administered by a healthcare professional and can result in a substantial treatment burden³⁻⁷
- There is an unmet need for therapies that can provide biochemical control, reduce symptoms, have a lower treatment burden and do not require administration by healthcare professionals^{8,9}
- CAM2029 is a novel octreotide subcutaneous depot (based on the FluidCrystal[®] technology) with a long-acting formula for convenient monthly self-administration via a ready-to-use autoinjector pen with small-gauge needle^{9,10} (see **Supplementary Figure 1**, available via the QR code)
- In ACROINNOVA 1 (NCT04076462), a 24-week, Phase 3, randomised, double-blind trial, CAM2029 achieved superior biochemical control versus placebo (72.2% vs 37.5% of patients, respectively, with IGF-I \leq upper limit of normal, per age and sex [ULN]; $P=0.0018$), controlled symptoms and improved QoL in patients with IGF-I \leq ULN on standard-of-care (SoC) treatment (octreotide LAR/lanreotide ATG) at screening⁹
- ACROINNOVA 2 (NCT04125836) is a Phase 3, open-label trial in which the long-term safety and efficacy of CAM2029 are being assessed in patients with acromegaly previously receiving first-generation SRLs
 - We report biochemical and symptom control and patient-reported outcomes (PROs) during the 52-week core phase for the full data set

CONCLUSIONS

- Long-term CAM2029 was well tolerated, with a safety profile similar to SoC¹⁴
- CAM2029 provided long-term biochemical control among patients who were biochemically controlled and uncontrolled on first-generation SRLs. Biochemical control was:
 - Improved in the overall population and those directly enrolled into ACROINNOVA 2 (IGF-I $\leq 2 \times$ ULN at screening)
 - Sustained among patients who had previously achieved control with CAM2029
 - Regained among patients who received placebo during the ACROINNOVA 1 trial (IGF-I \leq ULN at screening)
- Symptom burden progressively reduced over 52 weeks of CAM2029 treatment
- Long-term CAM2029 treatment continuously improved QoL and treatment satisfaction versus SoC baseline
- These long-term findings support CAM2029 as an effective and well-tolerated new treatment for acromegaly with the combined benefits of convenience and improved QoL

METHODS

Analyses for the core phase of ACROINNOVA 2 were undertaken at week 52



*Treatment with a stable dose of octreotide LAR (10, 20, 30 or 40 mg) or lanreotide ATG (60, 90 or 120 mg); †If required based on safety and tolerability, the dose could be reduced to 10 mg CAM2029; ‡Only the autoinjector pen will be available following marketing authorisation; §Upon completing the core phase in ACROINNOVA 2, patients could continue to receive CAM2029 in a 52-week extension phase.

RESULTS

Patient demographics and medical history

- Of the 135 patients enrolled, mean (standard deviation [SD]) age was 52.9 (11.9) years, 56.3% of patients were female, and 88.1% had undergone prior pituitary surgery (**Supplementary Table 1**)
- Overall, 127 patients (94.1%) completed the core phase in ACROINNOVA 2

Enrolled into ACROINNOVA 2	Discontinued treatment*	Completed ACROINNOVA 2	Mean (SD) CAM2029 exposure (weeks)
Enrolled directly into ACROINNOVA 2			
Directly enrolled N=81	n=5†	Directly enrolled n=74‡	52.7 (10.6)
Prior-CAM2029 N=36	n=1†	Prior-CAM2029 n=35	55.6 (2.9)
Prior-placebo N=18		Prior-placebo n=18	32.0 (0.4) Patients received CAM2029 after 24 weeks of placebo
Overall n=135	n=6†	Overall n=127	50.7 (11.2)

Data shown are for patients completing the 52-week core phase of ACROINNOVA 2. *Reasons for discontinuation: consent withdrawn (n=5, directly enrolled group); AEs (directly enrolled group, n=2; injection site haemorrhage [Grade 1] and depression [Grade 1]; patient declined to attend study site (prior-CAM2029 group, n=1); †Discontinued and withdrew from trial; ‡Patients discontinued treatment but were followed up to the end of the trial; §Two patients completed treatment with CAM2029 but did not attend the week 52 visit.

CAM2029 was well tolerated with no new safety signals

- Most AEs reported following CAM2029 treatment were mild, and no new safety signals were observed up to week 52 (**Supplementary Table 2**)
- All injection site AEs were mild (Grade 1) or moderate (Grade 2)

CAM2029 provided effective long-term biochemical control

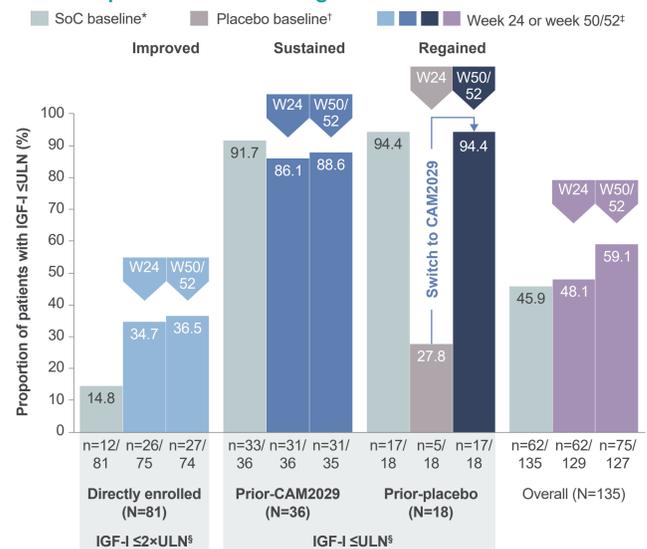
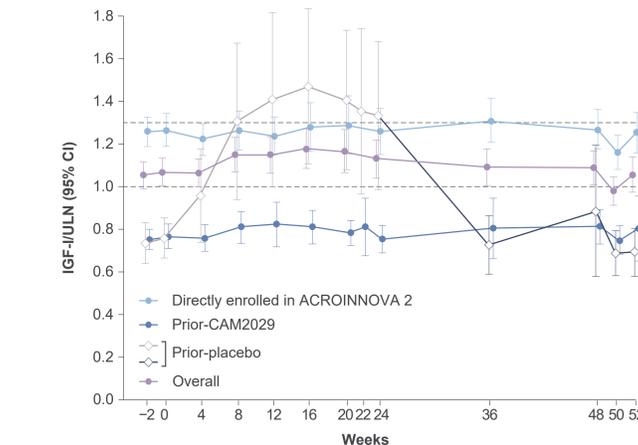


Figure is based on all patients with available data at the timepoint. *Before receiving the first CAM2029/placebo dose; IGF-I values are means from assessments at week -2 and day 1; †Prior-placebo group includes one patient who switched to SoC from placebo during ACROINNOVA 1; IGF-I value is the mean from assessments at weeks 22 and 24; ‡IGF-I values are means from assessments at weeks 50 and 52; §At screening. W, week.

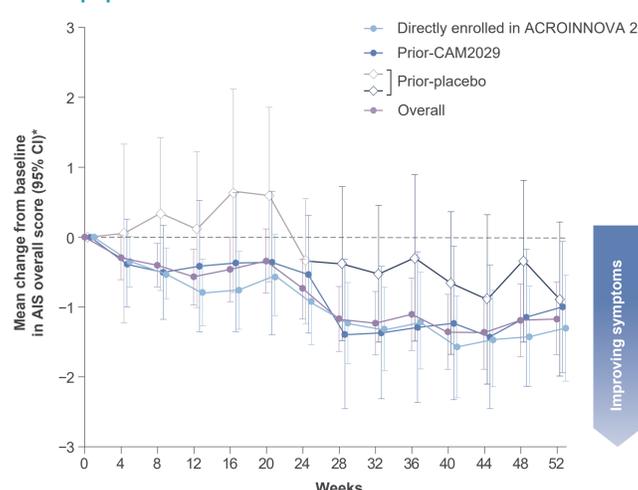
Mean IGF-I levels were stable in the overall population during CAM2029 treatment



	Directly enrolled	Prior-CAM2029	Prior-placebo	Overall
n	81	36	18	135
81	81	36	18	135
80	80	35	18	133
80	80	36	18	134
80	80	36	18	133
79	79	36	18	132
78	78	36	18	132
75	75	36	18	129
74	74	35	17	126
74	74	35	17	127
69	69	33	17	119
74	74	33	17	127

Data are from the intention-to-treat population. Data shown include the 24-week placebo period before the prior-placebo group was switched to CAM2029 (pale grey diamonds); these patients are also included in the overall population. Dashed horizontal lines represent ULN and 1.3xULN. CI, confidence interval.

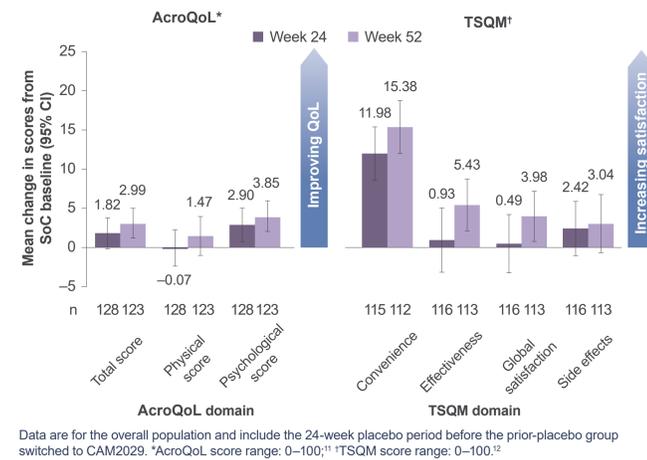
Symptoms continuously improved from baseline to week 52 in the overall population



Data include the 24-week placebo period before the prior-placebo group switched to CAM2029 (pale grey diamonds); the group is also included in the overall population. *AIS 0-18; sum of scores (0-3; none-severe) for six symptoms (headache, sweating, fatigue, joint pain, paraesthesia and soft tissue swelling).

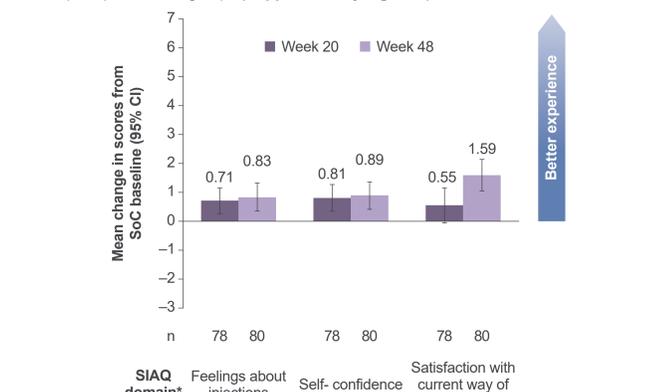
AcroQoL* and TSQM† scores mostly improved from baseline to week 24 and continued to improve to week 52

- In the overall population, AcroQoL and TSQM scores were numerically improved at week 52 versus SoC baseline
- AcroQoL and TSQM scores in the treatment subgroups followed a similar pattern, with numerical improvement at week 52 versus baseline, except for AcroQoL physical score in the directly enrolled group and TSQM side effects domain in the prior-placebo group (**Supplementary Figures 3 and 4**)



SIAQ* scores and treatment satisfaction improved from baseline and were maintained long term

- In the overall population, most (91.1%) patients (or partners) opted to self-administer CAM2029
 - Similar trends were observed in the directly enrolled, prior-CAM2029 and prior-placebo subgroups (**Supplementary Figure 5**)



Patients assessed at week 48 or closest visit. Data are for the overall population and include the 24-week placebo period before the prior-placebo group switched to CAM2029. Baseline is defined as the last pre-treatment values before the first self-administration. *Score range: 0-10.¹³

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