mediated by the CB1 receptor indicated by an increased cell viability and reduction of caspase activity after combined treatment with CBD and CB1 antagonist AM251. Since CBD induced Erk1/2 phosphorylation seems to be independent of CB1 signalling, the involvement of other signalling pathways and/or a crosstalk with other Ca²⁺ channels or receptors seems likely and will be the focus of further investigations.

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OP0325 SAFETY AND EFFICACY OF LENABASUM IN AN OPEN-LABEL EXTENSION OF A PHASE 2 STUDY IN DIFFUSE CUTANEOUS SYSTEMIC SCLEROSIS SUBJECTS (DCSSC)

Robert Spiera¹, Laura Hummers², Lorinda Chung³, Tracy Frech⁴, Robin Domsic⁵, Vivian Hsu⁶, Daniel Furst^{7,8}, Jessica Gordon¹, Maureen Mayes⁹, Robert Simms¹⁰, Elizabeth Lee¹¹, Scott Constantine¹¹, Nancy Dgetluck¹¹, Barbara White¹¹. ¹Hospital for Special Surgery, New York City, United States of America; ²Johns Hopkins, Baltimore, United States of America; ³Stanford University, Palo Alto, United States of America; ⁴University of Utah, Salt Lake City, United States of America; ⁵University of Pittsburgh, United States of America; ⁶Robert Wood Johnson Medical School, New Brunswick, United States of America; ⁷Pacific Arthritis Associates, Los Angeles, United States of America; ⁸UCLA, Los Angeles, United States of America; ⁹University of Texas, Houston, United States of America; ¹⁰Boston University, Boston, United States of America; ¹¹Corbus Pharmaceuticals, Inc., Norwood, United States of America

Background: Lenabasum is a synthetic, non-immunosuppressive, selective cannabinoid receptor type 2 agonist that activates resolution of innate immune responses and limits fibrosis in animal models of SSc. Lenabasum had acceptable safety and tolerability, and improved efficacy outcomes in the 16-week, double-blinded, randomized, placebo-controlled Part A of Phase 2 trial JBT101-SSc-001 (NCT02465437) in dcSSc subjects.

Objectives: To provide long-term open-label safety and efficacy data in dcSSc subjects in study JBT101-SSc-001.

Methods: Subjects who completed Part A were eligible to receive oral lenabasum 20 mg BID in an open-label extension (OLE) that assessed safety and efficacy at 4 weeks, then every 8 weeks.

Results: 36/38 (95%) eligible subjects enrolled in the OLE, with mean interval of 134 (range 33-392) days or 19.1 weeks from end of dosing in Part A to start of OLE when subjects received only standard-of care drugs. 34/36 (94%) subjects were on stable doses of immunosuppressive drugs. At safety data cut-off, 31 (86%) subjects finished 1 year, 30 (83%) finished 18 months, and 24 finished > 2 years in the OLE. Thirty-five (97%) subjects experienced at least 1 AE; 239 AEs have occurred during the OLE to date. Seven (19%) subjects had \geq 1 AE considered related to lenabasum in the OLE. Only fatigue (1 subject) was considered definitely-related, none of the related AEs were serious or severe. Most subjects experienced AEs that were mild (n = 6, 17%) to moderate (n = 24, 67%) in maximum severity. Four (11%) had severe AEs and 1 (3%) had a life-threating AE of renal crisis caused by high-dose steroids. AEs in \geq 10% of subjects: upper respiratory tract infection (n = 11, 31%), skin ulcer and arthralgia (each n = 6, 17%), urinary tract infection (n = 5, 14%), and diarrhea, nasopharyngitis, and cough (each n = 4, 11%). Dizziness and fatigue occurred in 3 (8.3%) subjects each.

At the time of efficacy data cut-off, 30/36 (83%) subjects had completed \geq 18 months in the OLE. Improvement was seen in multiple physician- and patient-reported efficacy outcomes; selected outcomes are shown in Figure 1. Compared to Baseline at study start, the CRISS median score (primary efficacy outcome) was 0.99 (0.43 IQR) at Week 76 and mRSS declined by mean (SD) = -10.7 (7.2) points. HAQ-DI, Physician Global Assessment, Patient Global Assessment, skin symptoms, itch, and multiple PROMIS-29 domains also improved. FVC% predicted was relatively stable during the OLE; mean (SD) FVC% predicted decreased by 2.5% from study start.

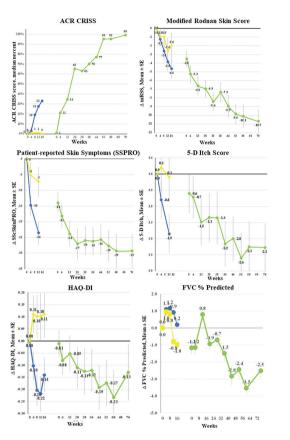


Figure 1. Change from Baseline in Selected Efficacy Outcomes in OLE of Phase 2 Trial JBT101-SSc-001

Conclusion: Lenabasum continues to have a favorable safety and tolerability profile in the OLE of Phase 2 trial JBT101-SSc-001 with no lenabasum-related serious AEs or study discontinuations. Only 7 (19%) subjects had an AE related to lenabasum in \geq 18 months of OLE dosing. ACR CRISS score, mRSS, Physician Global Assessment, and multiple patient-reported outcomes show continued improvement, although background therapy, potential for spontaneous improvement, and open-label dosing limit what can be definitely attributed to lenabasum.

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FRIDAY, 14 JUNE 2019

Reproductive issues in rheumatology_

OP0326

DEVELOPMENT OF A STANDARDIZED MINIMAL CORE DATA SET FOR PREGNANCY REGISTERS IN RHEUMATOLOGY – RESULTS OF A EULAR TASK FORCE

Yvette Meißner¹, Rebecca Fischer-Betz², Laura Andreoli³, Nathalie Costedoat-Chalumeau^{4,5}, Diederik De Cock⁶, Radboud Dolhain⁷, Frauke Förger^{8,9} Doreen Goll¹⁰, Anna Moltó^{5,11}, Rebecca Özdemir¹², Luigi Rajo^{8,5} Catherine Nelson-Piercy¹³, Sebastian C Rodriguez-García¹⁴, Savino Sciascia¹⁵, Marianne Wallenius¹⁶, Astrid Zbinden⁸, Angela Zink^{1,17}, Anja Strangfeld¹. ¹German Rheumatism Research Centre, Berlin, Germany; ²Heinrich-Heine University and Hiller Research Unit, Düsseldorf, Germany; ³University of Brescia, Brescia, Italy; ⁴Université Paris-Descartes, Paris, France, ⁵Hopital Cochin, Paris, France, ⁶KU Leuven, Leuven, Belgium; ⁷Erasmus University Medical Center, Rotterdam, Netherlands; ⁸University Hospital, Bern, Switzerland; ⁹University of Bern, Bern, Switzerland, ¹⁰Patient partner, Berlin, Germany; ¹¹INSERM Unit 1153, CRESS, Paris, France; ¹²Patient partner, Duisburg, Germany; ¹³St. Thomas Hospital, London, United Kingdom; ¹⁴Hospital Clínic Barcelona, Barcelona, Spain; ¹⁵University di Torino, Torino, Italy; ¹⁶University Hospital and Norwegian University of Science and Technology, Trondheim, Norway, ¹⁷Charité University Medicine, Berlin. Germanv

Background: Results from individual data collections on drug safety during pregnancy and outcomes of pregnancy in patients with inflammatory rheumatic diseases (IRD) are often limited due to small number of cases. Joint data analyses from different data sources could solve this problem.

Objectives: The aim of this EULAR task force was to define a core data set to facilitate joint analysis of pregnancy registers in rheumatology.

Methods: Scope and core areas of the core data set have been developed according to COS-STAD recommendations¹ by consensus. An initial list of data items possibly relevant for pregnancy registers was generated based on (I) a systematic literature search, (II) data items already collected by European pregnancy registers and (III) a survey amongst patient representatives. Consensus about the importance of each data item to be included in a core data set was reached by applying a 2-round Delphi survey where each item was rated on a numeric scale (1-3 = low importance, 4-6 = important but not critical, 7-9 = critical importance). Any data item that was considered as 'critical important' by at least 70% of responders in Delphi round 2 was included in the core set. During a face-to-face meeting of the EULAR task force, the inclusion or exclusion of data items with no consensus was finally decided.

Results: The scope was defined as follows: 'To develop a standardized core data set for data collection in prospective observational research and clinical care of pregnant women with IRD including the neonatal phase. All interventions the women receive will be covered. Patients should be enrolled at the earliest possible moment during pregnancy, and data should ideally be collected once every trimester. An additional visit should capture the neonatal phase'. Three core areas were described: 'Maternal information' (including demographics, IRD disease characteristics and comorbidities), 'Pregnancy' (including prior and current pregnancy(ies), delivery and neonatal outcomes) and 'Treatment' (including medication of IRD and other health conditions).

64 experts from 14 different European countries participated in the 2 rounds of Delphi (68% female; 84% physicians, 5% obstetricians, 5% epidemiologists, 3% patients, 3% midwives). Of the 148 data items, 85 were included in the final core set. The figure shows included items within the core areas.

MATERNAL INFORMATION	PREGNANCY	TREATMENT
Demographics Maternal Jage at conception Maternal Jody weight and height Maternal educational level and professional training semshing and alcohol consumption during programcy	Prev. pregnancy(les) Number of proc. pregnancies (gravidity) and parity Pres. pre-clampoia, ediampia er HELLP pyndrome Number of prev. pregnancy(sets) (lockdrog spontaneous abortion, fetal death and stilbirth) Pres. preterm birth(s) Pres. meantal death(s) Compental maternations of prev. boen infant(s)	Treatment 12 months prior to conception DMARD use Oral glucocorticoid use Use of potentially teratogenic medication
IRD disease characteristics Diagnosis Intificment of classification contents Intificment of classification contents Disease activity estimates and the Specification of the Specification of the Disease activity estimates with approximate acceleration of the Specification of the Disease activity estimates and activity Pacient resported disease activity Pacient resported disease activity Disease-specific auto-anobolism and activity Creative another Device and activity Creates and the Specification of Specification of the Specification Disease-specification of Specification of the Specification Disease-specification of the Specification of the Specifica	Current preguracy Reared pregnancy Use of available exproduction Estimated date of coordination Estimated date of coordination pregnancy Conscriptions and the preference of the coordination advectes and thromenolise events Pre-eclampia, eclampia or HELD syndrome intrautemeng predinestinction	Treatment of HBD during pregnarcy OAMDUs with times, does and application interval, tast and idop dates and reason for Updata updata interval, tast and idop dates interval, tast and idop dates date
Consolidities and adverse events ablected controlidities: Antiphosphalpid syndrome, Dubberse melliust, Hyportension, and diseast, Honorotobic, event and diseast, Honorotobic, event and diseast, Honorotobic, event Maternal death with date and cause of death	Delivery Opticione Low birth Electric terminations with reasons and WGA electronic terminations with reasons and WGA metal constraints and gate with the Mode of delivery Patternin prenature or against electronic Revealed advictome Birth english Birth eng	Treatment of other health conditions during pregnancy Use of this code, anothopertensive drugs, aspen, hepains or other anticoagulants

Conclusion: The consensus process resulted in an extensive list of data items recommended by experts to be collected as a minimum by pregnancy registers in rheumatology. This core data set applies to all pregnant women irrespective of the

underlying IRD. The EULAR task force plans to find consensus on additional disease specific advice.

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The future of therapeutic strategies.

OP0327 FECAL MICROBIOTA TRANSPLANTATION IN SYSTEMIC SCLEROSIS: A DOUBLE-BLIND, PLACEBO-CONTROLLED RANDOMIZED PILOT TRIAL

<u>Anna-Maria Hoffmann-Vold</u>, Håvard Fretheim, Brian K Chung, Henriette Didriksen, Espen S Bækkevold, Øyvind Midtvedt, Cathrine Brunborg, Torhild Garen, Tore Midtvedt, Johannes R Hov, Knut Ea Lundin, Øyvind Molberg. *Oslo University Hospital, Oslo, Norway*

Background: Systemic sclerosis (SSc) is a progressive, multi organ, autoimmune disease marked by frequent and severe gastrointestinal (GI) afflictions and gut dysbiosis.

Objectives: Determine the safety and efficacy of fecal microbiota transplantation (FMT) using commercially-available anaerobic cultivated human intestinal microbiota (ACHIM) in patients with SSc.

Methods: The trial was a single-center, randomized, double-blind, placebo-controlled 16-week pilot of FMT by gastroduodenoscopy of ACHIM in SSc conducted at Oslo University Hospital. Primary endpoints were safety and clinical efficacy on GI symptoms assessed at weeks 4 and 16. Safety was assessed by observation, interviews and standardized safety form. Efficacy on GI symptoms was measured using the UCLA GIT 2.0 score questionnaire. Patients were defined as responders if reported symptom improvement was equivalent to the UCLA GIT definition of "minimally clinically important difference". Secondary and explorative endpoints included changes in relative abundance of total, immunoglobulin (Ig)A- and IgMcoated fecal bacteria measured by 16s rRNA sequencing; changes in modified Rodnan skin score, lung function, CRP, ESR, and patient and physician global. Descriptive statistics were applied for clinical endpoints and linear mixed models for microbial analysis.

Results: Ten patients with limited cutaneous SSc randomized to ACHIM (n=5) or placebo (n=5) were included. All patients were female with clinical apparent GI symptoms, mean age of 62 years and mean time from diagnosis of 12 yrs. Two placebo controls experienced procedure-related serious adverse events; one developed laryngospasms at first gastroduodenoscopy necessitating study exclusion, one duodenal perforation at final gastroduodenoscopy. Improvement in total GIT score was reported by 3/5 FMT patients compared to 2/4 placebo controls at weeks 4 and 16 (Figure 1). FMT effects were most pronounced on lower GI symptoms, with improvement reported by 5/5 FMT patients with diarrhea, distention/ bloating and/or fecal incontinence at baseline compared to 2/4 placebo controls (Figure). Clinical secondary endpoints showed no differences and other side effects (stomach discomfort, bloating and diarrhea) were mild and transient. Fecal microbiota diversity (observed number of operational taxonomic units) was increased after FMT compared to placebo treatment at week 16 (p<0.006). Moreover, abundant bacterial genera in ACHIM were present within the total, and IgAand IgM-coated fecal bacteria at both week 4 and 16 in the FMT group (Figure 2) but not in the placebo controls.