

POSTER SESSION

Poster session will take place in the Poster Area on **Friday, February 16** from 13:40 to 14:40 and on **Saturday, February 17** from 13:15 to 14:20.

Posters have been given a number and must be fixed on the poster board marked with the same number.

Posters can be hanged from 15:00 to 18:00 on Thursday, February 15 and from 07:45 on Friday, February 16 and removed within 18:00 on Saturday, February 17.

Poster panel height is cm 215 and the usable surface in vertical size is cm. 90 (width) and cm. 160 (height).

Authors are kindly asked on Friday, February 17 and Saturday, February 18 to stand by their poster during the Poster Session time for discussion with delegates. Otherwise please hang a note to inform when you will be available.

PATHOGENESIS

- P.001 A NOVEL ANIMAL MODEL FOR SYSTEMIC SCLEROSIS INDUCED BY IMMUNIZATION OF ANGIOTENSIN II RECEPTOR 1**
X. Yue, G. Riemekasten, X. Wang, H. Heidecke, F. Petersen, X. Yu
- P.002 SKIN COMMENSAL BACTERIA MIGHT AFFECT WOUND REPAIR IN SSC BY PREVENTING FIBROBLAST ACTIVATION AND BY PROVOKING CHRONIC INFLAMMATORY REACTIONS**
M. Yokota, J. Schniering, O. Distler, B. Maurer
- P.003 THE AV INTEGRIN INHIBITOR ABITUZUMAB INHIBITS MYOFIBROBLAST DIFFERENTIATION**
E. Samy, Y. Wu, G. Higginbotham, R. Grenningloh, D. Xu
- P.004 C-REL IS A MASTER REGULATOR OF FIBROBLAST PHENOTYPE AND CELLULAR INTERACTIONS IN PULMONARY AND DERMAL FIBROSIS**
J. Worrell, J. Leslie, G. Smith, S. O'Reilly, M. Zaki, J. Van Laar, D. Mann, F. Oakley

- P.005 GENERATION AND CHARACTERIZATION OF ANTIBODIES AGAINST AT1R IN MOUSE MODEL OF SYSTEMIC SCLEROSIS (SSC)**
X. Wang, X. Yue, J. Yin, H. Heidecke, G. Wallukat, S. Ingolf, G. Riemekasten, X. Yu, F. Petersen
- P.006 EXPRESSION OF TLR7, TLR9, JAK2 AND STAT3 GENES IN PERIPHERAL BLOOD MONONUCLEAR CELLS FROM PATIENTS WITH SYSTEMIC SCLEROSIS**
M. Vreca, V. Spasovski, A. Zekovic, N. Damjanov, M. Andjelkovic, M. Ugrin, S Pavlovic
- P.007 VITAMIN D IN SYSTEMIC SCLEROSIS PATIENTS WITH DRY EYE SYNDROME**
E. Visalli, C. Gagliano, M. Di Gangi, G. Amato, A. Benenati, T. Avitabile, R. Foti
- P.008 REACTIVITY OF 150-KD ALPHA 2(V) CHAIN OF TYPE V COLLAGEN IS ASSOCIATED WITH AUTOIMMUNITY IN EARLY SYSTEMIC SCLEROSIS**
A.P. Velosa, L. Brito, M.R.U. Lopes, J. Tomaz De Miranda, V.L. Capelozzi, W. Teodoro
- P.009 COLLAGEN V/C57BL6 MOUSE MODEL: A NOVEL PRECLINICAL MODEL TO STUDY PATHOPHYSIOLOGY AND THERAPEUTIC APPROACHES IN SYSTEMIC SCLEROSIS**
W. Teodoro, A.P. Velosa, Z.A. Queiroz, L.A. Dos Santos, S. Catanozi, A. Dos Santos Filho, C. Bueno, M.B. Vendramini, S.M. Fernezlian, E.M. Eher, F.D. Lopes, P.D. Sampaio-Barros, V.L. Capelozzi
- P.010 SERUM KLOTHO CONCENTRATION IS INVERSELY ASSOCIATED TO THE SEVERITY OF NAILFOLD CAPILLAROSCOPIC PATTERN IN SYSTEMIC SCLEROSIS PATIENTS**
R. Talotta, T. Letizia, S. Bongiovanni, F. Rigamonti, M.C. Ditto, M. Antivalle, V. Varisco, S. Santandrea, F. Atzeni, T. Vago, P.C. Sarzi-Puttini
- P.011 INCREASED PLASMA LEVELS OF HSP90 ARE ASSOCIATED WITH LUNG INVOLVEMENT AND SKIN FIBROSIS IN PATIENTS WITH SYSTEMIC SCLEROSIS**
H. Storkanova, S. Oreska, M. Spiritovic, K. Pavelka, J. Vencovsky, J.H.W. Distler, L. Senolt, R. Becvar, M. Tomcik
- P.012 METABOLITES OF COLLAGEN ARE ASSOCIATED WITH THE AMOUNT OF FIBROSIS IN INTERNAL ORGANS IN SYSTEMIC SCLEROSIS PATIENTS**
A.S.S. Siebuhr, S. Kubo, K. Nakano, S. Nakayamada, M.A. Karsdal, A.C. Bay-Jensen, Y. Tanaka

PATHOGENESIS

- P.013 ASSOCIATION BETWEEN SYSTEMIC SCLEROSIS AND OTHER SYSTEMIC AUTO-IMMUNE DISEASES: STUDY IN TWO UNIVERSITY HOSPITALS COHORTS**
M. Scherlinger, J. Lute, E. Chatelus, M.E. Truchetet
- P.014 CYTOTOXIC T-LYMPHOCYTE ASSOCIATED PROTEIN-4 EXPRESSION INCREASED IN LESIONAL LINEAR MORPHEOA FIBROBLASTS**
M. Nino Leon, X. Shi Wen, C. Fonseca, C. Orteu, D. Abraham, C. Denton, A. Saracino, M. Ponticos
- P.015 DISEASE-RELATED SITE SPECIFIC METABOLIC REPROGRAMMING IN LINEAR MORPHEOA FIBROBLASTS**
A. Saracino, M. Nino Leon, J.W. Taanman, C. Fonseca, C. Orteu, X. Shiwen, D. Abraham, C. Denton, M. Ponticos
- P.016 THE FIRST COMPREHENSIVE ANALYSIS OF ANTIGEN-SPECIFIC CYTOMEGALOVIRUS ANTIBODY RESPONSES IN PATIENTS WITH SSC**
G. Efthymiou, C. Liaskos, E. Marou, T. Simopoulou, T. Scheper, W. Meyer, D. Bogdanos, L. Sakkas
- P.017 INCREASED PHOSPHORYLATION OF SYK KINASE IN B CELLS FROM PATIENTS WITH SYSTEMIC SCLEROSIS**
L. Sakkas, A. Mavropoulos, T. Simopoulou, C. Liaskos, D. Bogdanos
- P.018 EPITOPE MAPPING OF ANTI-RO52 ANTIBODY RESPONSES REVEALS DISTINCT IMMUNODOMINANT EPITOPE RECOGNITION IN PATIENTS WITH SYSTEMIC SCLEROSIS COMPARED TO SYSTEMIC LUPUS ERYTHEMATOSUS**
A. Gkoutzourelas, C. Liaskos, T. Scheper, W. Meyer, D. Bogdanos, L. Sakkas
- P.019 WITHDRAWN**
- P.020 WITHDRAWN**
- P.021 DYSREGULATION OF THE SLIT/ROBO AXIS MAY CONTRIBUTE TO ANGIOGENESIS DISTURBANCE IN SYSTEMIC SCLEROSIS (SSC)**
E. Romano, M. Manetti, I. Rosa, B.S. Fioretto, L. Ibba-Manneschi, M. Matucci-Cerinic, S. Guiducci
- P.022 SINGLE CELL CLONING FROM HEALTHY AND SCLERODERMA SKIN BIOPSIES REVEALS SPECIFIC SUBSETS OF DERMAL FIBROBLASTS WITH DIFFERENTIAL PROFIBROTIC RESPONSES**
R. Rebecca, C. Corinaledi, N. Riobo-Del Galdo, F. Del Galdo
- P.023 SYSTEMIC SCLEROSIS AND CANCER DEVELOPMENT. A SINGLE-CENTRE EXPERIENCE**
E. Kaltsonoudis, E. Pelechas, P. Voulgari, A. Drosos
- P.024 IMPACT OF ALTERATIONS IN X-LINKED IRAK1 GENE AND MIRNA-146A ON SUSCEPTIBILITY AND CLINICAL MANIFESTATIONS IN PATIENTS WITH SYSTEMIC SCLEROSIS**
S. Pavlovic, M. Vreca, M. Andjelkovic, A. Zekovic, N. Damjanov, V. Spasovski
- P.025 CHEMERIN LEVELS IN SYSTEMIC SCLEROSIS PATIENTS CORRELATE WITH VASCULAR DAMAGE**
G.B. Canestrari, E. De Lorenzis, L. Gigante, G. Natalello, B. Toluoso, C. Di Mario, G. Ferraccioli, E. Gremese, S.L. Bosello
- P.026 EVALUATION OF HLA-G IN SYSTEMIC SCLEROSIS**
G. Murdaca, P. Contini, S. Negri, M. Borro, F. Puppo
- P.027 THE CONTRIBUTION OF DYSFUNCTIONAL ENDOTHELIAL CELLS TO THE VASCULOPATHY OF SYSTEMIC SCLEROSIS: A SYSTEMATIC REVIEW**
Y. Mostmans, M. Cutolo, G. Giddelo, S. Decuman, K. Melsens, H. Declercq, E. Vandecasteele, F. Dekeyser, O. Distler, J. Gutermuth, V. Smith
- P.028 CCL18 AS BIOMARKER OF DISEASE ACTIVITY IN LOCALIZED SCLERODERMA AND EOSINOPHILIC FASCIITIS**
J. Mertens, E. De Jong, M. Seyger, E. Hoppenreijns, R. Thurlings, J. Wienke, F. Van Wijk, A. Van Royen-Kerkhof, W. Marut, T. Radstake
- P.029 SYSTEMIC SCLEROSIS SERA IMPAIR DERMAL LYMPHATIC MICROVASCULAR ENDOTHELIAL CELL FUNCTIONALITY**
M. Manetti, E. Romano, I. Rosa, B.S. Fioretto, S. Guiducci, L. Ibba-Manneschi, M. Matucci-Cerinic
- P.030 SERUM EOTAXIN-1/CCL11 LEVELS ARE ELEVATED IN SYSTEMIC SCLEROSIS AND ARE ASSOCIATED WITH SEVERITY**
B. Lopez, J.B. Gibier, J. Giovannelli, C. Hauspie, J. Trauet, M. Balden, P.Y. Hatron, E. Hachulla, M. Lambert, M.C. Copin, J.E. Kahn, M. Labalette, S. Dubucquoi, D. Launay, G. Lefèvre
- P.031 CIRCULATING MONOCYTE SUB-POPULATIONS ACCORDING TO CD14 AND CD16 EXPRESSION IN SYSTEMIC SCLEROSIS**
A. Lescoat, A. Balerie, M. Roussel, B. Ly Sunnaram, G. Coiffier, S. Jouneau, O. Fardel, T. Fest, P. Jégo, V. Lecureur

PATHOGENESIS

- P.032** **DISTINCT PROPERTIES OF M- AND GM-BLOOD MONOCYTE-DERIVED MACROPHAGES TO SIMULATE PATHOLOGICAL LUNG CONDITIONS IN VITRO: APPLICATION TO SYSTEMIC SCLEROSIS ASSOCIATED INTERSTITIAL LUNG DISEASE**
A. Ballerie, A. Lescoat, Y. Augagneur, L. Vernhet, O. Fardel, P. Jégo, S. Jouneau, V. Lecureur
- P.033** **EFFEROCYTOSIS ABILITY OF MONOCYTE-DERIVED MACROPHAGES IN SYSTEMIC SCLEROSIS: FUNCTIONAL AND PHENOTYPIC EVALUATION**
A. Ballerie, A. Lescoat, C. Cazalets, S. Jouneau, L. Vernhet, O. Fardel, P. Jégo, V. Lecureur
- P.034** **MALIGNANCIES IN PATIENTS WITH CONNECTIVE TISSUE DISEASES AND POSITIVITY FOR ANTI-PM/SCL. A SINGLE CENTER STUDY**
M.G. Lazzaroni, I. Cavazzana, N. Carabellese, A. Montanelli, A. Furloni, A. Tincani, F. Franceschini, P. Airò
- P.035** **A NOVEL COMPUTATIONAL APPROACH TO IDENTIFY NEW TARGETS AND PATHWAYS FOR THERAPEUTIC INTERVENTION IN SCLERODERMA**
E. Kurtagic, J. Pradines, T. Manning, I. Capila
- P.036** **INCREASED EXPRESSION OF THE TNF SUPERFAMILY MEMBER LIGHT/TNFSF14 AND ITS RECEPTORS (HVEM AND LTBR) IN THE SKIN OF PATIENTS WITH SYSTEMIC SCLEROSIS**
O. Kowal-Bielecka, E. Gindzienska-Sieskiewicz, J. Reszec, P. Bielecki, A. Sieskiewicz, M. Bielecki, A. Sulik, K. Kowal
- P.037** **METABOLOMIC ANALYSIS IN PATIENTS WITH SYSTEMIC SCLEROSIS**
K.H. Jung, S.H. Oh, W. Park, M.J. Lim, S.R. Kwon, S.Y. Bang, K.H. Sook, S.H. Park
- P.038** **CHARACTERIZATION OF COLLAGEN FORMATION BY GROWTH FACTORS IN DERMAL FIBROBLASTS**
P. Juhl, M.A. Karsdal, A. Bay-Jensen, A.S. Siebuhr
- P.039** **A LONGITUDINAL ANALYSIS OF IL-7 LEVELS IN SYSTEMIC SCLEROSIS SUGGESTS INCREASED LEVELS IN CASES WITH SCLERODERMA RENAL CRISIS**
L. Host, S.I. Nihtyanova, B. Ahmed Abdi, V. Ong, C.P. Denton
- P.040** **IS CCN3 (NOV) DYSREGULATION IN SSC SKIN THE MISSING LINK BETWEEN VASCULOPATHY AND PIGMENTARY DISORDERS?**
P. Henrot, V. Jolivel, P. Laurent, P. Manicki, J. Seneschal, A. Taieb, M.E. Truchetet, M. Cario-Andre
- P.041** **GENOME-WIDE ASSOCIATION ANALYSIS OF SYSTEMIC SCLEROSIS IN IRANIAN POPULATION**
D. Gonzalez-Serna, E. Lopez-Isac, M. Brown, F. Gharibdoost, H. Kavosi, S. Poursani, A. Jamshidi, M. Mahmoudi, J. Martin
- P.042** **GENOME-WIDE ASSOCIATION ANALYSIS OF SYSTEMIC SCLEROSIS IN TURKISH POPULATION**
D. Gonzalez-Serna, E. Lopez-Isac, N. Yilmaz, H. Direskeneli, G. Saruhan-Direskeneli, A. H. Sawalha, S. Yavuz, J. Martin
- P.043** **SOLUBLE CD163 AS A POSSIBLE BIOMARKER IN SYSTEMIC SCLEROSIS**
C. Frantz, S. Pezet, Y. Allanore
- P.044** **FREE THIOL RESPONSE IN HYPOTHERMIA INDUCED RAYNAUD'S ATTACK: A MARKER OF OXIDATIVE STRESS**
A. Eman Abdulle, A.M. Van Roon, A.J. Smit, A. Pasch, M. Meurs, H. Bootsma, B.O. Fernandez, M. Feelisch, H. Van Goor, D.J. Mulder
- P.045** **PRELIMINARY REPORT OF AUTO-ANTIBODY PROFILES OF SYSTEMIC SCLEROSIS IN ASIAN PATIENTS; SYSTEMATIC REVIEW**
A. Ehsani, M. Salesi, H. Poormoghim
- P.046** **THE ROLE OF IL-17A IN THE INTERPLAY BETWEEN KERATINOCYTES AND FIBROBLASTS IN HUMAN SKIN WITHIN SYSTEMIC SCLEROSIS**
A.M. Dufour, M. Alvarez, M.E. Truchetet, N.C. Brembilla, C. Chizzolini
- P.047** **RNAI-BASED IDENTIFICATION OF NOVEL DRUG TARGETS TO REDUCE ENDOTHELIAL TO MESENCHYMAL TRANSITION (ENDOMT) IN HUMAN DERMAL MICROVASCULAR ENDOTHELIAL CELLS: A TARGET DISCOVERY APPROACH FOR SCLERODERMA**
C. Corallo, J. Benschop, M. Grimbergen, J. Crawford, J. Meuldijk, R.A.J. Janssen, N.E.R. Vandeghinste, N. Giordano, M.A. Tessari
- P.048** **WNT5A PROMOTES TISSUE FIBROSIS BY JNK-DEPENDENT ACTIVATION OF LATENT TGF-BETA**
C. Chen, T. Trinh-Minh, X. Xu, A. Soare, F. Groeber, A. Schambony, J. Distler
- P.049** **ACTIVATED STAT3 INTEGRATES IMPORTANT PROFIBROTIC PATHWAYS IN SYSTEMIC SCLEROSIS**
D. Chakraborty, B. Sumová, Cw. Chen, A. Distler, C. Bergmann, A. Ramming, O. Distler, G. Schett, L. Senolt, J.H.W. Distler

PATHOGENESIS

- P.050 BIASED INITIAL PHOSPHORYLATION OF BRUTON'S TYROSINE KINASE AND PHOSPHOLIPASE C GAMMA 2 FOLLOWING B CELL RECEPTOR ACTIVATION IN PATIENTS WITH INTERSTITIAL LUNG DISEASE ASSOCIATED TO SYSTEMIC SCLEROSIS**
M. Huerta Marfil, B. Chaigne, N. Dumoitier, C. Fernandez, P. Cohen, J.B. Fraison, J. London, R. Paule, A. Régent, N. Varin-Blank, L. Mouthon
- P.051 PROTEOMIC ANALYSIS OF HUMAN FIBROBLASTS IN SYSTEMIC SCLEROSIS REINFORCES THE ROLE OF TGF-SS AND POINTS TOWARD EGFR / PI3K PATHWAYS INHIBITION**
B. Chaigne, G. Clary, M. Le Gall, N. Dumoitier, S. Lofek, P. Chafey, P. Moinzadeh, T. Krieg, C. Denton, L. Mouthon
- P.052 SERUM TRYPTOPHAN (TRP) AND KYNURENINE (KYN) LEVELS ARE ALTERED IN SSC AND SHOW DISTINCT CLINICAL AND AUTOANTIBODY ASSOCIATIONS SUGGESTING POTENTIAL ROLE IN PATHOGENESIS**
C. Campochiaro, S.D. Lytton, S. Nihtyanova, D. Fuchs, V.H. Ong, C.P. Denton
- P.053 CLINICAL CHARACTERISTICS OF SYSTEMIC SCLEROSIS WITHOUT SPECIFIC ANTIBODIES**
E.L. Callejas-Moraga, A. Guillén Del-Castillo, A. Marin-Sánchez, I. Sanz-Pérez, E. Balada, J. Martín, V. Fonollosa-Plà, C. Siméon-Aznar
- P.054 SYSTEMIC LUPUS ERITHEMATOSUS WITH POSITIVE ANTICENTROMERE ANTIBODIES - A DIFFERENT CLINICAL SUBGROUP?**
J. Caetano, C. Favas, M. Amaral, S. Oliveira, J.D. Alves
- P.055 AUTOIMMUNITY IN SCLERODERMA: A COMPARATIVE STUDY OF 8 AUTOANTIBODIES IN PATIENTS WITH SYSTEMIC SCLEROSIS, SYSTEMIC LUPUS ERYTHEMATOSUS AND HEALTHY CONTROLS**
A. Burlui, A. Cardoneanu, E. Rezus
- P.056 PREVALENCE AND CLINICAL SIGNIFICATION OF ANTI-BICD2 AUTOANTIBODIES IN A FRENCH COHORT OF SYSTEMIC SCLEROSIS PATIENTS**
C. Carcaud, M.E. Truchetet, P. Henrot, L. Zanardo, D. Barcat, J.P. Vernhes, J. Constans, J. Seneschal, E. Lazaro, M. Malher, C. Contin-Bordes
- P.057 DOT1L INHIBITION REDUCES THE PRO-FIBROTIC EFFECTS OF TGFB IN PRIMARY HUMAN DERMAL FIBROBLASTS AND INCREASES FIBROBLAST VIABILITY**
N. Berghen, E. De Langhe, R. Lories
- P.058 COLLAGEN V STIMULATES TGF-BETA AND ENDOTHELIN-1 EXPRESSION IN HUMAN FIBROBLASTS AND ENDOTHELIAL CELLS**
I. Begalli Mendes, S. Carrasco, A.P. Dos Santos Moreira, A.P. Velosa, C. Goldenstein-Schainberg, D. Frediane, W. Teodoro
- P.059 LES CARACTÉRISTIQUES ÉPIDÉMIOLOGIQUES, CLINICO-BILOGIQUES ET ÉVOLUTIVES DU SCLÉROLUPUS: A PROPOS DE 16 CAS**
I. Rachdi, W. Bani, Z. Aydi, F. Daoud, H. Zoubeidi, B. Ben Dhaou, F. Boussema
- P.060 AUTOIMMUNE DISEASES IN SYSTEMIC SCLEROSIS PATIENTS AND THEIR RELATIVES; A SINGLE CENTER DATA**
A. Balbir-Gurman, V. Shataylo, Y. Braun-Moscovici
- P.061 ASSESSMENT OF IN VITRO RESPONSES OF GAMMA/ DELTAT CELLS FROM PATIENTS WITH SYSTEMIC SCLEROSIS TO STIMULATION WITH CARDIOLIPIN AND ZOLENDRINATE**
A. Balbir-Gurman, I. Bank, P. Fisch, J. Villacorta Hidalgo, Y. Braun-Moscovici, H. Migalovich Shekhet
- P.062 CXCL10 LEVEL AS POTENTIAL EARLY SERUM BIOMARKER IN SYSTEMIC SCLEROSIS**
C. Antinozzi, C. Corinaldesi, M. Vasile, V. Riccieri, G. Valesini, F. Marampon, F. Del Galdo, V. Raparelli, A. Lenzi, C. Crescioli
- P.063 CLINICAL ASSOCIATIONS OF VASCULAR ENDOTHELIAL GROWTH FACTOR IN SYSTEMIC SCLEROSIS**
R. Alekperov, E. Alexandrova, A. Novikov, L. Ananyeva
- P.064 THE EFFECT OF ETHANOL EXTRACT PHYSALIS ANGULATA ON SKIN FIBROSIS, INFLAMMATORY PROCESS, BIOMARKER IMMUNOLOGY AND FIBROSIS SERUM IN SCLERODERMA PATIENTS (A DOUBLE BLIND RANDOMIZED CONTROLLED TRIAL)**
S. Dewi, E.H. Purwaningsih, N. Kertia, R. Setiabudy, S. Setiati, H. Isbagio
- P.065 INNATE LYMPHOID CELLS TYPE 2: A NEW KEY ACTOR IN THE PATHOGENESIS OF SSC?**
C. Peronino, M. Jeljeli, L. Riccio, N. Kavian, F. Batteux
- P.066 ROLE OF TRAINED MACROPHAGES IN FIBROSIS IN AN EXPERIMENTAL MODEL OF SYSTEMIC SCLERODERMA**
C. Peronino, M. Jeljeli, L. Riccio, N. Kavian, F. Batteux

PULMONARY INCLUDING INTERSTITIAL LUNG DISEASE AND PULMONARY ARTERIAL HYPERTENSION

- P.067 MYCOPHENOLATE MOFETIL AS FIRST LINE TREATMENT IMPROVES EARLY LUNG DISEASE IN PATIENTS WITH DIFFUSE SYSTEMIC SCLEROSIS**
N. Zotos, M. Gianniki, M. Gerasimou, E. Tatsina, D. Bougias, P. Christodoulou, C. Mitsis, A. Zotou, A. Pournou, N. Tsifetaki
- P.068 INTERSTITIAL LUNG DISEASE IN SCL70-POSITIVE SCLERODERMA PATIENTS WITH LIMITED CUTANEOUS FORM**
E. Zanatta, P. Polito, E. Balestro, M. Favaro, E. Pigatto, F. Ometto, A. Martini, L. Punzi, F. Cozzi
- P.069 A PHASE II RANDOMIZED CONTROLLED TRIAL OF ABITUZUMAB IN SYSTEMIC SCLEROSIS-ASSOCIATED INTERSTITIAL LUNG DISEASE**
D. Khanna, D. Tashkin, A. Wells, J. Goldin, M.W. Lubell, S. Wax, D. Damian, C. Denton
- P.070 CHARACTERISTICS OF ANTI-U1RNP-ANTIBODY-POSITIVE PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION ARE INFLUENCED BY THE PRESENCE OR ABSENCE OF SYSTEMIC SCLEROSIS FEATURES**
H. Yasuoka, H. Takei, Y. Shirai, K. Yamaoka, M. Kuwana, T. Takeuchi
- P.071 IMPACT OF LEFT HEART DISEASE-ASSOCIATED PULMONARY HYPERTENSION IN PATIENTS WITH SYSTEMIC SCLEROSIS IN COMPARISON WITH THOSE WITH NON-SYSTEMIC SCLEROSIS**
Y. Yamasaki, Y. Asari, S. Ooka, H. Hanaoka, K. Tonooka, Y. Takakuwa, T. Kiyokawa, H. Matsushita, S. Shinagawa, M. Uchida, T. Andoh, H. Iida, T. Okazaki, K. Suzuki, Y. Akashi, H. Yamada, K. Kawahata
- P.072 PREDICTION OF PROGRESSION OF INTERSTITIAL LUNG DISEASE IN PATIENTS WITH SYSTEMIC SCLEROSIS**
W. Wu, S. Jordan, M.O. Becker, R. Dobrota, S. Ye, B. Maurer, Y. Allamore, O. Distler
- P.073 BARDOXOLONE METHYL INHIBITS MARKERS OF ENDOTHELIAL-TO-MESENCHYMAL TRANSITION AND FIBROSIS IN HUMAN PULMONARY ARTERY ENDOTHELIAL CELLS**
C. Wigley, G. Miller, D. Ferguson
- P.074 SALVIANOLIC ACID B ATTENUATES EXPERIMENTAL PULMONARY INFLAMMATION BY PROTECTING ENDOTHELIAL CELLS AGAINST OXIDATIVE STRESS INJURY VIA THE MAPK AND NF-KB SIGNALING PATHWAYS**
Q. Liu, X. Shi, L. Tang, X. Xu, S. Jiang, W. Ding, F. Qian, H. Chu, Y. Ma, Y. Li, J. Lu, W. Pu, X. Zhou, L. Jin, W. Wu, J. Wang
- P.075 FACTORS ASSOCIATED WITH PULMONARY ARTERIAL HYPERTENSION IN RUSSIAN SYSTEMIC SCLEROSIS PATIENTS: RESULTS FROM PULMONARY HYPERTENSION REGISTRY**
A. Volkov, E. Nikolaeva, T. Martynyuk
- P.076 TREATMENT WITH CYCLOPHOSPHAMIDE FOR SYSTEMIC SCLEROSIS-INTERSTITIAL LUNG DISEASE DOES NOT LEAD TO A SUSTAINED IMPROVEMENT IN LUNG FUNCTION IN TWO INDEPENDENT COHORTS**
E. Volkman, D. Tashkin, M. Sim, N. Li, D. Khanna, M. Roth, P. Clements, A. Hoffmann-Vold, D. Furst, G. Kim, J. Goldin, R. Elashoff
- P.077 THE COURSE OF THE FORCED VITAL CAPACITY DURING TREATMENT FOR SYSTEMIC SCLEROSIS-RELATED INTERSTITIAL LUNG DISEASE PREDICTS LONG-TERM SURVIVAL IN 2 INDEPENDENT COHORTS**
E. Volkman, D. Tashkin, M. Sim, D. Khanna, M. Roth, P. Clements, D. Furst, L. Keyes-Elstein, A. Pinckney, E. Goldmuntz, R. Elashoff, K. Sullivan
- P.078 LUNG ULTRASONOGRAPHY: POSSIBLE ROLE AS PREDICTOR OF PULMONARY INVOLVEMENT IN PATIENTS AFFECTED BY SYSTEMIC SCLEROSIS COMPLICATED BY EITHER INTERSTITIAL LUNG DISEASE OR PULMONARY ARTERIAL HYPERTENSION**
E. Tinazzi, F. Confente, G. Tacchella, G. Patuzzo, C. Lunardi
- P.079 GENE EXPRESSION OF ARYL HYDROCARBON RECEPTOR IN IMMUNE CELLS IS ASSOCIATED WITH LUNG INVOLVEMENT IN PATIENTS WITH SYSTEMIC SCLEROSIS**
H. Takei, H. Yasuoka, K. Yoshimoto, K. Yamaoka, T. Takeuchi
- P.080 SIRT1 (SIRTUIN1) GENE POLYMORPHISM IS ASSOCIATED WITH PULMONARY ARTERIAL HYPERTENSION (PAH) AND DIGITAL ULCERS IN JAPANESE SYSTEMIC SCLEROSIS (SSc)**
K. Takagi, Y. Kawaguchi, Y. Ichimura

PULMONARY INCLUDING INTERSTITIAL LUNG DISEASE AND PULMONARY ARTERIAL HYPERTENSION

- P.081 PREVALENCE AND PREDICTIVE VALUE OF SYSTEMIC SCLEROSIS-ASSOCIATED ANTIBODIES: AN EASTERN-EUROPEAN SINGLE-CENTER EXPERIENCE**
I. Szabo, R. Nichitean, A. Petcu, S. Rednic
- P.082 NKX2.5 IS ASSOCIATED TO ENDOMT IN PULMONARY ARTERIAL HYPERTENSION**
J. Santos Cade, I. Papaioannou, C. Denton, D. Abraham, M. Ponticos
- P.083 FACTORS ASSOCIATED WITH THE 6-MINUTE WALK DISTANCE IN PATIENTS WITH SYSTEMIC SCLEROSIS**
S. Sanges, J. Giovannelli, V. Sobanski, S. Morell Dubois, H. Maillard, M. Lambert, C. Podevin, N. Lamblin, P. De Grootte, J.F. Bervar, T. Perez, R. Matran, M. Remy Jardin, P.Y. Hatron, E. Hachulla, D. Launay
- P.084 LUNG ULTRASOUND IN ONE-YEAR FOLLOW-UP OF A SSC PATIENT COHORT: IT COULD BE THE ONSET OF ABNORMAL ULTRASOUND SIGNS AN IMPORTANT IMAGING TOOL TO REDUCE THE FREQUENCY OF CHEST TOMOGRAPHIC ASSESSMENT?**
C. Rotondo, M. Nivuori, L. Urso, S. Lopriore, G. Lapadula, F. Iannone
- P.085 PROGNOSTIC FACTORS FOR SEVERE PULMONARY INVOLVEMENT IN SYSTEMIC SCLEROSIS**
A. Radu, A.M. Gheorghiu, R. Oneata, A. Soare, R. Dobrota, S. Magda, T. Constantinescu, R. Jurcut, R. Sfrent-Cornateanu, M. Bojinca, V. Stoica, C. Mihai
- P.086 TRANSTHORACIC ECHOCARDIOGRAPHY TO QUANTIFY PULMONARY VASCULAR RESISTANCES IN PATIENTS WITH SYSTEMIC SCLEROSIS**
G. Pugnet, S. Billet, T. Chollet, G. Charbonnier, P. Fournier, G. Prevot, L. Tetu, M. Cournot, H. Derumeaux, D. Carrié, M. Galinier, O. Lairé
- P.087 REPRODUCIBILITY AND UTILITY OF THE 6-MINUTE WALK TEST IN SYSTEMIC SCLEROSIS PATIENTS**
G. Pugnet, Z. Marjanovic, C. Deligny, K. Boussardon, I. Benzidia, M. Puyade, P. Lansiaux, E. Vandecasteele, V. Smith, D. Farge
- P.088 MONOTHERAPY VERSUS COMBINATION THERAPY IN SYSTEMIC SCLEROSIS-ASSOCIATED PULMONARY ARTERIAL HYPERTENSION (PAH). RETROSPECTIVE COHORT STUDY FROM THE NATIONWIDE SPANISH SCLERODERMA REGISTRY (RESCLE).**
M. Pestaña Fernandez, M. Rubio-Rivas, N. Villalba-Jiménez, C. Tolosa-Vilella, A. Guillen-Del-Castillo, M. Freire, J.A. Vargas-Hitos, J.A. Todoli-Parra, M. Rodríguez-Carballeira, G. Espinosa-Garriga, D. Colunga-Argüelles, N. Ortego-Centeno, L. Trapiella-Martínez, A. Marin-Ballvé, X. Pla-Salas, I. Perales-Fraile, I. Pons-Martín-Del-Campo, A.J. Chamorro, R.A. Fernández-De-La-Puebla-Gi, A.B. Madroñero-Vuelta, V. Fonollosa-Pla, C.P. Simeón-Aznar, On Behalf of Rescle Investigators
- P.089 ASSOCIATION OF DIGITAL ULCERS WITH SEVERITY OF LUNG FUNCTION TEST IN SYSTEMIC SCLEROSIS – ASSOCIATED INTERSTITIAL LUNG DISEASE IN FOLLOW UP STUDY**
O. Ovsyannikova, O. Koneva, L. Ananieva, L. Garzanova, O. Desinova, M. Starovoytova
- P.090 FOLLOW-UP OF PULMONARY FUNCTION IN PATIENTS DIAGNOSED OF EARLY SYSTEMIC SCLEROSIS**
F. Ortiz Sanjuán, C. Alcañiz Escandell, A. Arévalo Ruales, I. Chalmeta Verdejo, M. De La Rubia Navarro, C. Fedec Olmos, J. Fragio Gil, R. González Mazarío, E. Grau García, E. Labrador Sánchez, I. Martínez Cordellat, R. Negueroles Albuixech, J. Oller Rodríguez, E. Vicens Bernabeu, L. González Puig, J. Ivorra Cortés, J.A. Román Ivorra
- P.091 QUANTITATIVE CT LUNG TEXTURE ANALYSIS IN INTERSTITIAL LUNG INVOLVEMENT IN SYSTEMIC SCLEROSIS: A FOLLOW-UP STUDY**
E. De Lorenzis, G.B. Canestrari, G. Natalello, L. Gigante, M. Occhipinti, A. R. Larici, L.G. Sisti, C. De Waure, G. Ferraccioli, E. Gremese, S.L. Bosello
- P.092 PROGRESSION OF THE LOSS OF DIFFUSING CAPACITY IN SSC OVERLAP SYNDROMES IS MORE PRONOUNCED THAN IN LIMITED SSC - DATA FROM THE GERMAN NETWORK FOR SYSTEMIC SCLERODERMA**
P. Moinzadeh, K. Kuhr, N. Blank, E. Siegert, J. Henes, M. Worm, C. Sunderkoetter, M. Schmalzing, A. Kreuter, C. Gunther, L. Susok, G. Zeidler, I. Koetter, U. Mueller-Ladner, T. Kirge, A. Juche, T. Schmeiser, G. Riemekasten, E. Aberer, N. Gaebelein-Wissing, J.H.W. Distler, M. Sárdy, C. Pfeiffer, N. Hunzelmann, F. Bonella, M. Kreuter

PULMONARY INCLUDING INTERSTITIAL LUNG DISEASE AND PULMONARY ARTERIAL HYPERTENSION

P.093 SURVIVAL OF CONNECTIVE TISSUE DISEASE ASSOCIATED TO PULMONARY HYPERTENSION

A.P. Luppino-Assad, F.A.G. Oleas, J.L. Alves, C.V.P. Jardim, P.D. Sampaio-Barros, R. Souza

P.094 CLINICAL PHENOTYPES AND SURVIVAL OF PRE-CAPILLARY PULMONARY HYPERTENSION IN SYSTEMIC SCLEROSIS

D. Launay, D. Montani, P. Hassoun, V. Cottin, J. Le Pavec, P. Clerson, O. Sitbon, X. Jais, L. Savale, J. Weatherald, V. Sobanski, S. Mathai, M. Shafiq, J.F. Cordier, E. Hachulla, G. Simonneau, M. Humbert

P.095 CORRELATION BETWEEN SKIN SCORE AND PULMONARY INVOLVEMENT IN PATIENTS OF SCLERODERMA- PROSPECTIVE STUDY

J. Kulkarni, S. Singh, R. Mathur

P.096 STUDY MOFETIL MYCOPHENOLATE EFFICACY IN THE PATIENTS WITH SYSTEMIC SCLERODERMA RECEIVING LONG-TERM THERAPY (FOR AT LEAST ONE YEAR)

O. Koneva, O. Ovsyanikova, L. Ananieva, O. Desinova, L. Garzanova, M. Stsrovoytova

P.097 RITUXIMAB EFFICACY IN THE PATIENTS WITH SYSTEMIC SCLERODERMA DIFFERING IN EXTENT OF INTERSTITIAL LUNG DISEASE

O. Koneva, L. Ananieva, O. Desinova

P.098 PULMONARY MANIFESTATIONS OF SCLERODERMA

M. Kechida, N. Lorenzo Villalba, T. Merzouki, R. Klii, S. Hammami, I. Khochtali

P.099 RACIAL DIFFERENCES IN SSC DISEASE PRESENTATION: A EUROPEAN SCLERODERMA TRIALS AND RESEARCH GROUP STUDY

V. Jaeger, E. Siegert, E. Hachulla, P. Airò, G. Valentini, M. Matucci Cerinic, R. Scorza, O. Distler, F. Cozzi, P.E. Carreira, Y. Allanore, U. Müller-Ladner, L. Ananieva, A. Balbir-Gurman, J.H.W. Distler, L. Czirják, M. Li, J. Henes, S. Jimenez, V. Smith, N. Damjanov, C. Denton, F. Del Galdo, M. Tikly, L.A. Saketkoo, U.A. Walker

P.100 SMOKING BEHAVIOUR AND THE PROGRESSION OF ORGAN MANIFESTATIONS IN SYSTEMIC SCLEROSIS: A LONGITUDINAL EUROPEAN SCLERODERMA TRIALS AND RESEARCH GROUP STUDY

V. Jaeger, G. Valentini, E. Hachulla, F. Cozzi, O. Distler, P. Airò, L. Czirják, Y. Allanore, E. Siegert, E. Rosato, M. Matucci-Cerinic, L.M. Bambara, J. Henes, P.E. Carreira, V. Smith, F. Del Galdo, C. Denton, S. Ullman, E. De Langhe, V. Riccieri, J.J. Alegre-Sancho, S. Rednic, U. Müller-Ladner, U.A. Walker

P.101 PLASMA CXCL4 LEVEL MAY NOT REFLECT THE EFFECTS OF INTRAVENOUS CYCLOPHOSPHAMIDE THERAPY FOR SYSTEMIC SCLEROSIS ASSOCIATED INTERSTITIAL LUNG DISEASE

Y. Ichimura, Y. Kawaguchi, K. Takagi, A. Tochimoto, T. Higuchi, H. Yamanaka

P.102 TACROLIMUS FOLLOWING INTRAVENOUS CYCLOPHOSPHAMIDE PULSE THERAPY AS AN ALTERNATIVE TREATMENT FOR SYSTEMIC SCLEROSIS-ASSOCIATED INTERSTITIAL LUNG DISEASE

Y. Ichimura, Y. Kawaguchi, K. Takagi, A. Tochimoto, T. Higuchi, H. Yamanaka

P.103 ASSESSING THE NATURAL HISTORY OF INTERSTITIAL LUNG DISEASE IN SYSTEMIC SCLEROSIS; RESULTS FROM A COMPLETE, NATIONWIDE COHORT

A. Hoffmann-Vold, H. Fretheim, A.K. Halse, M. Seip, H. Bitter, M. Wallenius, T. Garen, Ø. Midtvedt, Ø. Molberg

P.104 CORRELATING PLASMA CYTOKINE LEVELS WITH RIGHT HEART CATHETERIZATION PARAMETERS IN SYSTEMIC SCLEROSIS RELATED PULMONARY ARTERIAL HYPERTENSION

C.H. Ho, S.I. Nihyanova, B. Ahmed Abdi, J.G. Coghlan, C.P. Denton, B.E. Schreiber, V.H. Ong

P.105 FACTORS ASSOCIATED WITH DETERIORATION OF INTERSTITIAL LUNG DISEASE IN SYSTEMIC SCLEROSIS PATIENTS WITH ANTI-TOPOISOMERASE I ANTIBODY

Y. Yoshimura, T. Matsushita, Y. Hamaguchi, T. Takehara

P.106 DESCRIPTION AND PROGNOSIS FACTORS OF SYSTEMIC SCLEROSIS-ASSOCIATED INTERSTITIAL LUNG DISEASE OUTCOME ON SERIAL HRCT

A. Forestier, N. Le Gouellec, A. Duhamel, G. Kramer, T. Perez, V. Sobanski, S. Morell Dubois, M. Lambert, P-Y. Hatron, E. Hachulla, H. Behal, R. Matran, D. Launay, M. Remy Jardin

P.107 SERUM LEVELS OF VASCULAR ENDOTHELIAL GROWTH FACTOR C IS ASSOCIATED WITH PULMONARY ARTERIAL HYPERTENSION IN SYSTEMIC SCLEROSIS

H. Didriksen, A.M. Hoffmann-Vold, H. Fretheim, A.K. Andreassen, C. Brunborg, V. Palchevskiy, Ø. Midtvedt, T. Garen, J.A. Belperio, Ø. Molberg

P.108 TO EVALUATE PULMONARY INVOLVEMENT IN PATIENTS WITH SYSTEMIC SCLEROSIS IN THE DAILY PRACTICE

M.A. Cusa, J.I. Enghelmayer, M.E. Fonrouge, S. Scarafia, M.A. Lázaro

PULMONARY INCLUDING INTERSTITIAL LUNG DISEASE AND PULMONARY ARTERIAL HYPERTENSION

- P.109 SERUM PROTEOMIC PROFILE IDENTIFIES NEW BIOMARKERS ASSOCIATED WITH SYSTEMIC SCLEROSIS**
A. Ceribelli, M. De Santis, E. Generali, N. Isailovic, M. Caprioli, G.M. Guidelli, C.F. Selmi
- P.110 INTERSTITIAL LUNG DISEASE IS INDEPENDENTLY ASSOCIATED WITH INCREASED FECAL CALPROTECTIN LEVELS IN SYSTEMIC SCLEROSIS**
C. Caimmi, E. Bertoldo, A. Venturini, P. Caramaschi, L. Frulloni, R. Ciccocioppo, S. Brunelli, L. Idolazzi, D. Gatti, O. Viapiana, M. Rossini
- P.111 THE SCREENING OF PULMONARY ARTERIAL HYPERTENSION IN SCLERODERMA PATIENTS USING THE DETECT ALGORITHM IN CLINICAL PRACTICE: RESULTS FROM A SINGLE ITALIAN CENTRE**
L. Urso, F. Cacciapaglia, E. Praino, S. Lopriore, C. Rotondo, E. De Tommaso, C. D'Agostino, F. Iannone
- P.112 SAFETY AND EFFICACY OF INTRAVENOUS VERSUS ORAL CYCLOPHOSPHAMIDE (CYC) IN THE TREATMENT OF SYSTEMIC SCLEROSIS (SSC) RELATED ILD AND SKIN INVOLVEMENT**
C. Bruni, D.P. Tashkin, V. Steen, Y. Allanore, O. Distler, M. Matucci-Cerinic, D.E. Furst
- P.113 EARLY DIAGNOSIS OF PULMONARY ARTERIAL HYPERTENSION IN SYSTEMIC SCLEROSIS: A SINGLE CENTRE EXPERIENCE WITH DETECT ALGORITHM**
F. Bonomi, G. Di Gennaro, S. Freri, L.O. Parma, C. Valena, M. Riva, S. Del Giudice, M.R. Pozzi
- P.114 ANTIFIBROTIC EFFECTS OF NINTEDANIB IN LUNG FIBROBLASTS ISOLATED FROM PATIENTS WITH SCLERODERMA ASSOCIATED INTERSTITIAL LUNG DISEASE**
G. Bogatkevich, I. Atanelishvili, T. Akter, A. Noguchi, L. Wollin, R. Silver
- P.115 THE HISTONE DEMETHYLASE JUMONJI DOMAIN-CONTAINING PROTEIN 3 (JMJD3) AS CENTRAL MEDIATOR OF FIBROBLAST ACTIVATION IN SYSTEMIC SCLEROSIS (SSC)**
C. Bergmann, A. Brandt, B. Merlevede, L. Hallenberger, C. Dees, Y. Zhang, C. Chen, T. Wohlfahrt, R. Liang, R. Kagwiria, A. Bozec, D. Abraham, R. Rieker, A. Ramming, O. Distler, G. Schett, J.H.W. Distler
- P.116 SYSTEMIC SCLEROSIS IN TUNISIA: A MONOCENTER STUDY OF 118 PATIENTS**
M. Tougorti, T. Ben Salem, M. Lamoulou, I. Ben Ghorbel, M.H. Houman

- P.117 INTERSTITIAL LUNG INVOLVEMENT AND MICROVACULATURE CHANGES IN SYSTEMIC SCLEROSIS: A FOLLOW-UP STUDY**
R. Becvar, M. Tomcik, S. Skacelova, J. Stork, A. Slovakova
- P.118 CAN IMPLEMENTATION OF THE DETECT ALGORITHM IN A SYSTEMIC SCLEROSIS POPULATION ALREADY FOLLOWED WITH YEARLY ECHOCARDIOGRAPHY IDENTIFY ADDITIONAL PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION?**
J. Baumgartner-Nielsen, S. Mellemkjær, A. Braae Olesen
- P.119 MMP-10, A NOVEL MEDIATOR OF VASCULAR REMODELING UNDERLYING PULMONARY HYPERTENSION ASSOCIATED WITH SYSTEMIC SCLEROSIS**
J. Avouac, C. Guignabert, A.M. Hoffmann-Vold, B. Ruiz, P. Dorfmüller, S. Pezet, O. Amiar, L. Tu, J. Van Wassenhove, J. Sadoine, D. Launay, M. Elhai, A. Cauvet, A. Subramaniam, R. Resnick, E. Hachulla, O. Molberg, A. Kahan, M. Humbert, Y. Allanore
- P.120 THE FREQUENCY OF OBSTRUCTIVE SLEEP APNEA SYNDROME IN PATIENTS WITH SYSTEMIC SCLEROSIS**
D. Arslan Tas, K. Aslan, I. Turk, D. Kurt Gok, C.E. Cagliyan, I. Hanta
- P.121 QUANTITATIVE CHEST CT PREDICTS 5-YEARS-MORTALITY IN SYSTEMIC SCLEROSIS**
A. Ariani, M. Silva, F. Girelli, M. De Santis, F. Lumetti, A. Volpe, M. Saracco, E. Bravi, S. Parisi, L. Idolazzi, F. De Gennaro, M. Mozzani, D. Santilli, G. Lucchini, V. Seletti, E. Bacchini, D. Giuggioli, G. Paolazzi, F.C. Bodini, E. Arrigoni, E. Fusaro, C. Benini, D. Imberti, C.A. Scire, N. Sverzellati

CARDIAC

- P.122 PROGNOSTIC VALUE OF VENTRICULAR-ARTERIAL FUNCTION IN PATIENTS WITH SYSTEMIC SCLEROSIS**
E. Zanatta, E. Beccogato, P. Polito, M. Felicetti, E. Pigatto, G. Famoso, F. Cozzi, F. Tona
- P.123 ELECTROCARDIOGRAPHIC FINDINGS IN SYSTEMIC SCLEROSIS ARE VERY SIMILAR TO THOSE OF HEALTHY INDIVIDUALS: DATA FROM THE CANADIAN SCLERODERMA RESEARCH GROUP**
S. Wojcik, C. Galatas, T. Huynh, L. Iacoviello, M. Wang, M. Hudson, M. Baron

CARDIAC

P.124 WITHDRAWN

P.125 ASSESSMENT OF LEFT VENTRICULAR DIASTOLIC FUNCTION IN A LARGE UNSELECTED SYSTEMIC SCLEROSIS (SSC) COHORT

A. Tennøe, K. Murbræch, Ø. Molberg, S. Aakhus, H. Frøtheim, Ø. Midtvedt, T. Garen, J. Andreassen, A.M. Hoffmann-Vold

P.126 EPICARDIAL ADIPOSE TISSUE THICKNESS IN WOMEN WITH SYSTEMIC SCLEROSIS

D. Temiz Karadag, T. Sahin, S. Tekeoglu, O. Ozdemir Isik, A. Yazici, A. Cefle

P.127 ECHOCARDIOGRAPHY IN DETECTION OF PRIMARY SYSTEMIC SCLEROSIS CARDIAC DISEASE

L. Ross, S. Patel, W. Stevens, C. Rabusa, M. Wilson, N. Ferdowski, G. Strickland, S. Proudman, D. Prior, M. Nikpour

P.128 THE ROLE OF CARDIAC MRI IN SYSTEMIC SCLEROSIS: A FOLLOW-UP STUDY IN SYMPTOMATIC PATIENTS

S.L. Bosello, G.B. Canestrari, E. De Lorenzis, G. Natalello, L. Gigante, R. Marano, A. Meduri, G. Ferraccioli, E. Gremese

P.129 CARDIOVASCULAR MORTALITY AT 5 YEARS IN A SINGLE CENTRE COHORT OF PATIENTS WITH SYSTEMIC SCLEROSIS AND DIGITAL ULCERS

S. Mazzuca, C. Pintaudi, R. Cimino

P.130 RESCUE FROM FATAL CARDIAC FIBROSIS IN SYSTEMIC SCLEROSIS- NOVEL INSIGHTS: TRAFFICKING TGF-BETA/ FRA2-DEPENDENT AUTOPHAGY

M. Stellato, M. Rudnik, F. Renoux, E. Pachera, K. Sotlar, K. Klingel, J. Henes, P. Blyszczuk, O. Distler, G. Kania

P.131 FRAGMENTED QRS PATTERNS DO NOT CORRELATE WITH THE DEGREE OF LUNG AND SKIN INVOLVEMENT IN PATIENTS WITH SYSTEMIC SCLEROSIS

D. Saygin, C. Saygin, M. Kostek, M. Ozdemir, T. Torun, S. Altay, G. Hatemi

P.132 GLOBAL LONGITUDINAL STRAIN AS EARLY PREDICTOR OF SYSTOLIC DYSFUNCTION. ANALYSIS IN A COHORT OF PATIENTS WITH SYSTEMIC SCLEROSIS

C. Fischetti, F. Guerra, A. Ferrarini, L. Zuliani, M.G. Danieli, P. Fraticelli, G. Pomponio, A. Capucci, A. Gabrielli

P.133 IMPLANTABLE LOOP RECORDER IN SYSTEMIC SCLEROSIS OVER 3 YEARS CONFIRMS INCIDENTAL SIGNIFICANT ARRHYTHMIAS AND SUGGESTS CMR AND CARDIAC BIOMARKER ASSOCIATION

R. Dumitru, L.A. Bissell, B. Erhayiem, G. Abignano, A. Burska, G. Fent, F. Del Galdo, J.P. Greenwood, S. Plein, L. Graham, M.H. Buch

P.134 SYMPTOMATIC CORONARY ARTERY DISEASE IN SYSTEMIC SCLEROSIS COMPARED WITH TYPE 2 DIABETES MELLITUS IN FEMALE PATIENTS: A CROSS-SECTIONAL STUDY

M. Colaci, D. Giuggioli, A. Spinella, F. Lumetti, C. Vacchi, M. Perticone, V. Aiello, F. Coppi, A.V. Mattioni, F. Perticone, C. Ferri

P.135 SYSTEMIC SCLEROSIS, A NEW CAUSE OF HIGH CARDIAC OUTPUT? ABOUT 4 CASES

E. Chatelus, M. Canuet, P.M. Duret, J. Sibilia, J.E. Gottenberg

P.136 CARDIAC INVOLVEMENTS IN SYSTEMIC SCLEROSIS

M. Tougorti, T. Ben Salem, I. Ben Ghorbel, M. Lamloum, M.H. Houman

P.137 ECHOCARDIOGRAPHY FOR THE ASSESSMENT OF CARDIOVASCULAR BURDEN IN SYSTEMIC SCLEROSIS: AN EUSTAR CENTER EXPERIENCE

C. Ancuta, C. Pomirleanu, C. Paiu, E. Ancuta, R. Chiriac, F. Mitu

OUTCOMES, QUALITY OF LIFE, PSYCHOLOGICAL & SOCIAL

P.138 SYSTEMIC SCLEROSIS-RHEUMATOID ARTHRITIS OVERLAP SYNDROME. DESCRIPTION OF 10 INCIDENTS

N. Zotos, M. Gianniki, M. Gerasimou, E. Tatsina, D. Bougias, L. Papageorgiou, C. Mitsis, A. Zotou, A. Pournou, N. Tsifetaki

P.139 INTERLEUKIN-17 AND INTERLEUKINE-23 PROFILE AND CLINICAL ASSOCIATION IN PATIENTS WITH SYSTEMIC SCLEROSIS

A. Zekovic, N. Damjanov

OUTCOMES, QUALITY OF LIFE, PSYCHOLOGICAL & SOCIAL

- P.140 THE ASSOCIATION OF SOCIODEMOGRAPHIC AND DISEASE VARIABLES WITH HAND FUNCTION IN SYSTEMIC SCLEROSIS: A SCLERODERMA PATIENT-CENTERED INTERVENTION (SPIN) COHORT STUDY**
K. Turner, L. Kwakkenbos, T. Sanchez, M. Carrier, L. Mouthon, M. Hudson, E. van den Ende, A. Schouffoer, J. Welling, M. Sauvé, B. Thombs
- P.141 CAUSES AND PREDICTORS OF MORTALITY IN SYSTEMIC SCLEROSIS IN SOUTH AFRICANS**
M. Tikly, C. Ickinger, Z. Dire
- P.142 THE VALIDATION OF COCHIN HAND FUNCTIONAL SCALE QUESTIONNAIRE IN TURKISH SPEAKING PATIENTS WITH SYSTEMIC SCLEROSIS**
D. Temiz Karadag, S. Tekeoglu, O. Ozdemir Isik, A. Yazicioglu, A. Cefle
- P.143 WITHDRAWN**
- P.144 CYTOKINE/GROWTH FACTORS MULTIPLEX ASSAY REFLECTS/IDENTIFIES PHENOTYPIC VARIATIONS AMONG SCLERODERMA PATIENTS**
Y. Suliman, S. Kafaja, M.F. Alemam, I. Valera, J. Grotts, D.E. Furst
- P.145 HUMANISTIC AND COST BURDEN OF SYSTEMIC SCLEROSIS: A REVIEW OF THE LITERATURE**
A. Fischer, E. Zimovetz, C. Ling, D. Esser, N. Schoof
- P.146 CLINICAL CHARACTERISATION OF 133 ADULTS WITH LINEAR MORPHOEA; COMPARING PAEDIATRIC AND ADULT ONSET DISEASE**
A. Saracino, C. George, V. Ong, C. Fonseca, C. Orteu, C. Denton
- P.147 SIGNIFICANT IMPACT OF SKIN DISEASE IN SYSTEMIC SCLEROSIS AND PATIENT PERCEIVED BENEFITS OF SPECIALIST DERMATOLOGY INPUT**
A. Saracino, A. Mizara, V. Ong, C. Denton
- P.148 SYSTEMIC SCLEROSIS - A 12 YEARS RETROSPECTIVE STUDY OF AN INTERNAL MEDICINE (AUTOIMMUNE DISEASES) AND RHEUMATOLOGY APPOINTMENTS IN A SMALL HOSPITAL CENTRE**
A. Sanches, R. Assis, S. Martins, J. Madruga, J. Garcia, M. Carvalho
- P.149 HIGH FREQUENCY OF CANCER IN A LARGE BRAZILIAN COHORT OF PATIENTS WITH SYSTEMIC SCLEROSIS**
P. Sampaio-Barros, A. P. Luppino-Assad, H. Silva, D. Andrade
- P.150 THE ROLE OF INFLAMMATORY MARKERS IN ASSESSMENT OF DISEASE ACTIVITY IN SYSTEMIC SCLEROSIS**
L.J. Ross, W. Stevens, C. Rabusa, M. Wilson, N. Ferdowski, J. Walker, J. Sahhar, G.S. Ngian, J. Zochling, J. Roddy, K. Tymms, G. Major, G. Strickland, S. Proudman, M. Nikpour
- P.151 CHALLENGES AND SERVICE PREFERENCES OF INFORMAL CAREGIVERS OF PEOPLE WITH SYSTEMIC SCLEROSIS**
D.B. Rice, M. Cañedo-Ayala, M.E. Carrier, J. Cumin, V. Malcarne, M. Hagedoorn, B.D. Thombs, Ssc Caregiver Committee
- P.152 NOMINAL TECHNIQUE FOCUS GROUPS TO EXPLORE THE CHALLENGES AND SUPPORT PREFERENCES OF INFORMAL CAREGIVERS OF PEOPLE WITH SCLERODERMA**
D.B. Rice, M. Cañedo-Ayala, S.T. Gumuchian, M. Hagedoorn, V. Malcarne, B.D. Thombs, S.S.C. Caregiver Committee
- P.153 SURVIVAL AND PROGNOSIS FACTORS IN SYSTEMIC SCLEROSIS: DATA OF A FRENCH MULTICENTER COHORT OF INCIDENT PATIENTS, SYSTEMATIC REVIEW AND META-ANALYSIS OF THE LITERATURE**
M.R. Pokeerbux, J. Giovannelli, L. Dauchet, L. Mouthon, C. Agard, J.C. Lega, Y. Allanore, P. Jeco, B. Bienvenu, S. Berthier, O. Fain, E. Hachulla, D. Launay
- P.154 REASONS FOR ATTENDING SUPPORT GROUPS AND ORGANIZATIONAL PREFERENCES: THE NORTH AMERICAN SUPPORT GROUP SURVEY**
M. Pepin, L. Kwakkenbos, S. Pelaez, M.-E. Carrier, V.L. Malcarne, S.T. Gumuchian, V.C. Delisle, G. El-Baalbaki, B.D. Thombs
- P.155 IMPACT OF STANDARDIZED TRAINING ON ACCURACY OF THE MODIFIED RODNAN SKIN SCORING (MRSS) IN SYSTEMIC SCLEROSIS (SSC)**
J.W. Park, G.Y. Ahn, J.W. Kim, E.S. Park, J.H. Kang, S.H. Chang, I.A. Choi, S.J. Yoo, J.K. Park, K.C. Shin, Y.B. Park, J.B. Jun, L. Czirjak, Y. Allanore, M. Matucci-Cerinic, E.B. Lee
- P.156 PREVALENCE, SEVERITY AND CLINICAL SIGNIFICANCE OF PAIN IN PATIENTS WITH SYSTEMIC SCLEROSIS**
P. Ostojic, N. Djurovic, B. Stojic, S. Knezevic-Apostolski, D. Bartolovic
- P.157 PERFORMANCE OF THE 2016 REVISED EUSTAR ACTIVITY INDEX FOR SYSTEMIC SCLEROSIS IN A SINGLE-CENTER COHORT**
R. Oneata, Am. Gheorghiu, A. Briceag, A. Radu, S. Magda, T. Constantinescu, R. Jurcut, A. Soare, R. Dobrota, O. Olteanu, M. Speriatu, L. Macovei, M. Milicescu, M. Sasu, M. Bojinca, V. Stoica, C. Mihai

OUTCOMES, QUALITY OF LIFE, PSYCHOLOGICAL & SOCIAL

P.158 DETERMINANTS OF HEALTH-RELATED QUALITY OF LIFE IN A MULTINATIONAL SYSTEMIC SCLEROSIS INCEPTION COHORT

K. Morrisroe, M. Hudson, M. Baron, J.K. De Vries-Bouwstra, P.E. Carreira, D.M. Wuttge, M. Wang, T. Frech, W. Stevens, S. Proudman, M. Nikpour

P.159 QUANTIFYING THE BURDEN OF SYSTEMIC SCLEROSIS: A DATA LINKAGE STUDY

K. Morrisroe, W. Stevens, J. Sahhar, G-S. Ngjan, C. Rabusa, N. Ferdowski, S. Proudman, M. Nikpour

P.160 CHARACTERISTIC CLINICAL FEATURES OF PATIENTS FROM KOREAN COHORT OF SYSTEMIC SCLEROSIS

K.W. Moon, S.S. Lee, Y.J. Lee, J.B. Jun, S.W. Kang, J.H. Ju, S.H. Chang, I.A. Choi, Ty. Kang, Y.B. Park, E.B. Lee, S.G. Lee

P.161 MODIFIED RODNAN SKIN SCORE (MRSS) TEACHING IN A HIGH NUMBER OF STUDENTS: RESULTS FROM THE EUSTAR COURSE

M. Radic, T. Minier, I. Bozic, M. Petric, P. Airo, N. Damjanov, O. Kowal-Bielecka, O. Distler, E.J. Kucharz, S. Novak, A. Vacca, Y. Allanore, M. Matucci-Cerinic, L. Czirják, D. Martinovic Kaliterna

P.162 PREVALENCE, RISK FACTORS AND ASSESSMENT OF DEPRESSIVE SYMPTOMS IN PATIENTS WITH SYSTEMIC SCLEROSIS

C. March, D. Huscher, E. Preis, A. Makowka, F. Buttgereit, G. Riemekasten, K. Norman, E. Siegert

P.163 BURDEN OF ILLNESS OF SYSTEMIC SCLEROSIS AMONG COMMERCIALY INSURED PATIENTS

Z. Zhou, Y. Yu, W. Tang, X. Liu, Z. Zhou, D. Macaulay, A. Fischer

P.164 IMPORTANT TOPICS NOT DISCUSSED DURING SYSTEMIC SCLEROSIS CONSULTATIONS: IMPACT ON PATIENTS AND CAREGIVERS

C.P. Denton, B. Laird, L. Moros, J.L. Luna Flores

P.165 CHALLENGES IN PHYSICIAN-PATIENT COMMUNICATION LIMIT PATIENT UNDERSTANDING AND SUPPORT IN SYSTEMIC SCLEROSIS WITH INTERSTITIAL LUNG DISEASE (SSC-ILD)

C.P. Denton, B. Laird, L. Moros, J.L. Luna Flores

P.166 THE ASSESSMENT OF EXPOSURE TO INORGANIC PARTICLES: IMPLEMENTING THE SAME QUESTIONNAIRE IN A NATION-WIDE SURVEY (N=2 739) AND ON A SPECIFIC SAMPLE OF SSC PATIENTS FROM A REGIONAL REFERRAL CENTER

C. Cavalin, A. Lescoat, A. Balerie, O. Macchi, M. Catinon, C. Chemarin, M. Vincent, Pa. Rosental, P. Jégo

P.167 HEALTH STATUS AND QUALITY OF LIFE OF PATIENTS WITH SYSTEMIC SCLEROSIS IN 2017

M. Lacoste, S. Palat, K. Ly, G. Gondran, E. Liozon, E. Le Coustumier, H. Bezanahary, A. Fauchais

P.168 THE COURSE OF MOUTH OPENING AND ITS RELATIONSHIP WITH DISEASE CHARACTERISTICS, GLOBAL FUNCTIONING, QUALITY OF LIFE AND MOUTH HANDICAP IN SYSTEMIC SCLEROSIS

S.J.H. Khidir, M. Boonstra, G.W.M. Boerrigter, E.M. Voogt van der Harst, S.A. Bergstra, N. Ajmone Marsan, M.K. Ninaber, T.W.J. Huizinga, J.K. de Vries-Bouwstra

P.169 SCLERODERMA COHORT IN ABU DHABI

M. Al Maini, A. Las Alas, R. Aneja, T. Khan, N. Ibrahim, H. Al Mashari, S. Gogununtla, K. Khawaja

P.170 CAN NOVEL AUTOANTIBODY PROFILING PREDICT DISEASE MANIFESTATIONS IN AN INCEPTION COHORT OF SYSTEMIC SCLEROSIS PATIENTS?

B. Kersten, R.L. Smeets, F.H.J. van den Hoogen, C.H.M. van den Ende, M.C. Vonk

P.171 A PSYCHOSOCIAL MODEL OF QUALITY OF LIFE IN IRANIAN PATIENTS WITH SYSTEMIC SCLEROSIS; A 12-MONTH LONGITUDINAL STUDY

H. Kavosi, A. Javinani, Sh. Mostafaei, Ar. Jamshidi, R. Atef Yekta, M. Mahmoudi, A. Kazemnejad, F. Gharibdoost

P.172 EPIDEMIOLOGY AND SURVIVAL OF SYSTEMIC SCLEROSIS-SYSTEMIC LUPUS ERYTHEMATOSUS OVERLAP SYNDROME

S. Alharbi, Z. Ahmad, A. Bookman, Z. Touma, J. Sanchez-Guerrero, N. Mitsakakis, S. Johnson

P.173 ETHNIC VARIATION IN SYSTEMIC SCLEROSIS MORBIDITY AND MORTALITY

H. Al-Sheikh, Z. Ahmad, S. Johnson

P.174 CLINICAL AND PROGNOSTIC PROFILE OF SYSTEMIC SCLEROSIS: ANALYSIS IN A SINGLE CENTRE CLINICAL COHORT IN CHINA

S. Hu, D. Xu, Y. Hou, Y. Wang, M. Li, X. Zeng

OUTCOMES, QUALITY OF LIFE, PSYCHOLOGICAL & SOCIAL

- P.175 EXPERT CONSENSUS ON THE ANNUAL SYSTEMIC INVESTIGATION OF ORGAN INVOLVEMENT IN SYSTEMIC SCLEROSIS**
A. Hoffmann-Vold, O. Distler, O. Kowal-Bielecka, D. Khanna, Y. Allanore
- P.176 IMMUNOGENICITY AND SAFETY OF PNEUMOCOCCAL VACCINATION IN PATIENTS WITH SYSTEMIC SCLEROSIS**
R. Hesselstrand, J. Nagel, T. Saxne, P. Geborek, L. Skattum, Mc. Kapetanovic
- P.177 MANAGEMENT OF PULMONARY HYPERTENSION IN SCLERODERMA: ARE WE IN COMPLIANCE WITH THE RECOMMENDATIONS? OUR EXPERIENCE IN INTERNAL MEDICINE**
D. Hakem, N. Slimani, A. Berrah
- P.178 PATIENT EDUCATION AUGMENTED SELF EFFICACY IN PATIENTS WITH SYSTEMIC SCLEROSIS**
K. Gunnarsson, A. Nordin
- P.179 LATE-ONSET SYSTEMIC SCLEROSIS- EXPERIENCE OF A EUSTAR CENTER**
L. Groseanu, T. Gudu, A. Balanescu, V. Bojinca, I. Saulescu, A. Borangiu, D. Opris Belinski, C. Constantinescu, D. Mazilu, M. Negru, F. Berghea, M. Abobului, S. Daia Ilescu, R. Ionescu
- P.180 DIAGNOSIS OF SYSTEMIC SCLEROSIS – “A TANGLED STORY”**
L. Groseanu, T. Gudu, A. Balanescu, V. Bojinca, D. Opris-Belinski, D. Mazilu, I. Saulescu, S. Daia-Iiescu, A. Borangiu, C. Constantinescu, R. Ionescu
- P.181 DETERMINANTS OF LIFE QUALITY IN SYSTEMIC SCLEROSIS AND PATIENT PERCEPTION OF THE DISEASE**
L. Groseanu, A. Dima, A. Balanescu, V. Bojinca, A. Borangiu, I. Saulescu, C. Constantinescu, D. Mazilu, D. Opris-Belinski, S. Daia, R. Ionescu
- P.182 MEAN NUMBER OF CAPILLARIES PREDICTS DISEASE ACTIVITY AT 6 MONTHS FOLLOW-UP**
A.M. Gheorghiu, R. Oneata, A. Radu, A. Briceag, C. Draganescu, C. Vrancianu, S. Magda, T. Constantinescu, A. Soare, R. Dobrota, I. Ancuta, C. Ciofu, L. Macovei, M. Milicescu, M. Sasu, O. Olteanu, A. Enuica, T. Necsoiu, O. Linte, G. Stan, B. Comanescu, M. Bojinca, V. Stoica, C. Mihai
- P.183 ASSESSING SURVIVAL, CAUSES OF DEATHS AND PREDICTORS OF MORTALITY IN SYSTEMIC SCLEROSIS; RESULTS FROM A COMPLETE, NATIONWIDE COHORT**
H. Fretheim, M. Seip, A.K. Halse, H. Bitter, M. Wallenius, T. Garen, Ø. Molberg, A.M. Hoffmann-Vold
- P.184 OUTCOMES OF LIMITED CUTANEOUS SYSTEMIC SCLEROSIS PATIENTS: A EUSTAR DATABASE STUDY.**
C. Frantz, D. Huscher, E. Hachulla, A. Balbir-Gurman, G. Riemekasten, E. Siegert, P. Airò, B. Joven, S. Vettori, F. Cozzi, S. Ullman, L. Czirjak, Y. Allanore
- P.185 CLINICAL CHARACTERISTICS AND MORTALITY RATE FOR THAI ELDERLY ONSET SYSTEMIC SCLEROSIS**
C. Foocharoen, R. Apipattarakul, S. Netwijitpan, A. Mahakkanukrauh, S. Suwannaroj, P. Limpawattana, R. Nanagara
- P.186 PROPOSAL FOR A JUVENILE SYSTEMIC SCLEROSIS RESPONSE INDEX(JSSCRI): RESULT OF THE CONSENSUS MEETING IN HAMBURG. GERMANY 11TH OF DECEMBER 2016**
I. Foeldvari, D. Furst, J. Anton, E. Baildem, M. Blakley, T. Constantin, P. Costa Reis, M. Curran, M. Cutolo, C. Denton, K. Fligelstone, B. Hinrichs, F. Ingegnoli, A. Höger, D. Nemcova, C. Pain, C. Pilkington, V. Smith, D. Khanna
- P.187 ASSESSING THE PREVALENCE OF JUVENILE SYSTEMIC SCLEROSIS IN CHILDHOOD USING ADMINISTRATIVE CLAIMS DATA FROM THE UNITED STATES**
I. Foeldvari, T. Beukelman, F. Xie
- P.188 IS THERE A DIFFERENCE IN THE CLINICAL PRESENTATION OF JUVENILE SYSTEMIC SCLERODERMA PATIENTS ACCORDING TO THE AGE OF ONSET: RESULTS FROM THE JUVENILE SCLERODERMA INCEPTION COHORT. WWW. JUVENILE-SCLERODERMA**
I. Foeldvari, J. Klotsche, O. Kasapcopur, A. Adrovic, V. Stanevicha, M.T. Terreri, E. Alexeeva, M. Katsikas, V. Smith, R. Cimaz, M. Kostik, T. Lehman, J. Anton, W.A. Sifuentes-Giraldo, F. Sztajnbok, T. Avcin, M. Janarthanan, M.J. Santos, M. Moll, D. Nemcova, N. Helmus
- P.189 ARE PATIENTS WITH OVERLAP FEATURES DIFFERENT FROM PATIENTS WITHOUT? RESULTS FROM THE JUVENILE SYSTEMIC SCLERODERMA COHORT (WWW.JUVENILE-SCLERODERMA.COM)**
I. Foeldvari, J. Klotsche, O. Kasapcopur, A. Adrovic, V. Stanevicha, K. Torok, M.T. Terreri, E. Alexeeva, M. Katsikas, V. Smith, F. Sztajnbok, T. Avcin, R. Cimaz, A. Jordi, M. Kostik, T. Lehman, W.A. Sifuentes-Giraldo, S. Appenzeller, M. Janarthanan, M. Moll, D. Nemcova, M.J. Santos, N. Helmus

OUTCOMES, QUALITY OF LIFE, PSYCHOLOGICAL & SOCIAL

P.190 MALE PATIENTS HAVE A MORE SEVERE COURSE AS FEMALE PATIENTS WITH DIFFUSE JUVENILE SYSTEMIC SCLERODERMA? RESULTS FROM THE JUVENILE SCLERODERMA INCEPTION COHORT WWW.JUVENILE-SCLERODERMA.COM

I. Foeldvari, J. Klotsche, O. Kasapcopur, A. Adrovic, V. Stanevicha, K. Torok, M.T. Terreri, E. Alexeeva, M. Katsikas, V. Smith, F. Sztajnbok, T. Avcin, R. Cimaz, A. Jordi, M. Kostik, T. Lehman, W.A. Sifuentes-Giraldo, S. Appenzeller, M. Janarthanan, M. Moll, D. Nemcova, M.J. Santos, N. Helms

P.191 UPDATE ON THE JUVENILE SYSTEMIC SCLEROSIS INCEPTION COHORT PROJECT. CHARACTERISTICS OF THE FIRST 97 PATIENTS AT FIRST ASSESSMENT WWW.JUVENILE-SCLERODERMA.COM

I. Foeldvari, J. Klotsche, O. Kasapcopur, A. Adrovic, V. Stanevicha, K. Torok, M.T. Terreri, E. Alexeeva, M. Katsikas, V. Smith, F. Sztajnbok, T. Avcin, R. Cimaz, A. Jordi, M. Kostik, T. Lehman, W.A. Sifuentes-Giraldo, S. Appenzeller, M. Janarthanan, M. Moll, D. Nemcova, M.J. Santos, N. Helms

P.192 CHANGES IN CAUSES OF DEATH IN SYSTEMIC SCLEROSIS: 1995-2015: DATA FROM EUSTAR NETWORK

M. Elhai, E. Hachulla, A. Balbir-Gurman, G. Riemekasten, P. Airò, B. Joven, S. Vettori, F. Cozzi, S. Ullman, L. Czirjak, M. Tikly, U. Müller-Ladner, P. Caramaschi, O. Distler, F. Iannone, L.P. Ananieva, R. Hesselstrand, R. Becvar, A. Gabrielli, M. Matucci-Cerinic, Y. Allanore

P.193 THE EULAR SYSTEMIC SCLEROSIS IMPACT OF DISEASE (SCLEROID) SCORE – A NEW PATIENT-REPORTED OUTCOME MEASURE FOR PATIENTS WITH SYSTEMIC SCLEROSIS – PRELIMINARY RESULTS FROM THE ONGOING VALIDATION STUDY

R. Dobrota, M. Becker, K. Fligelstone, J. Fransen, A. Kennedy, Y. Allanore, P. Carreira, L. Czirjak, C. Denton, R. Hesselstrand, G. Sandqvist, O. Kowal-Bielecka, M. Matucci Cerinic, C. Mihai, A. Gheorghiu, U. Mueller-Ladner, M. Vonk, T. Heiberg, O. Distler

P.194 NORMALIZATION OF ACR CRISS NUMERATOR FOR BASELINE DATA OFFERS A MEASURE OF MAGNITUDE OF RESPONSE: RESULTS FROM A REAL-LIFE OBSERVATIONAL STUDY

G. Abignano, J. Blagojevic, G. Bagnato, S. Eng, M. Buch, P. Emery, F. Del Galdo

P.195 FACTORS INFLUENCING PATIENT INTEREST IN PARTICIPATING IN AN ONLINE SELF-CARE INTERVENTION: A SCLERODERMA PATIENT-CENTERED INTERVENTION NETWORK (SPIN) COHORT STUDY

L. Kwakkenbos, J. Cumin, M.E. Carrier, I. Boutron, S. Bartlett, V. Malcarne, L. Mouthon, W. Nielson, J. Welling, B. Thombs

P.196 HIGH-THROUGHPUT QUANTITATIVE HISTOLOGY IN SYSTEMIC SCLEROSIS SKIN DISEASE USING COMPUTER VISION

C. Correia, R. Saber, A. Hoffmann, T. Wood, M. Whitfield, M. Hinchcliff, J. Mahoney

P.197 CLINICAL CHARACTERISTICS AND OUTCOME OF PATIENTS PRESENTING ANTI PM-SCL ANTIBODIES IN AN INTERNAL MEDICINE UNIT

G. Chalhoub

P.198 CAREGIVER, CARE RECIPIENT, AND CAREGIVING FACTORS ASSOCIATED WITH SYMPTOMS OF DEPRESSION AMONG INFORMAL CAREGIVERS OF PEOPLE LIVING WITH SYSTEMIC SCLEROSIS

M. Cañedo Ayala, D.B. Rice, B. Levis, M. E. Carrier, J. Cumin, V. Malcarne, M. Hagedoorn, S.S.C. Caregiver Committee, B.D. Thombs

P.199 ACUTE HOSPITAL ADMISSIONS IN PATIENTS WITH SYSTEMIC SCLEROSIS

J. Caetano, L. Boavida, M. Amaral, S. Oliveira, J.D. Alves

P.200 MENTAL HEALTH CARE IN SYSTEMIC SCLEROSIS: RATES OF UTILIZATION AND ASSOCIATED FACTORS IN THE SCLERODERMA PATIENT-CENTERED INTERVENTION NETWORK COHORT

K. Becetti, L. Kwakkenbos, M. Carrier, J.K. Gordon, J. Nguyen, C. Mancuso, B.D. Thombs, R.F. Spiera

P.201 SKIN BIOPSIES IN PATIENTS WITH SYSTEMIC SCLEROSIS: A RETROSPECTIVE COHORT STUDY

I. Atzeni, A. Eman Abdulle, J. Westra, A.J. Stel, D.J. Mulder

P.202 MANAGING SYSTEMIC SCLEROSIS: ASSESSING THE EDUCATIONAL NEEDS OF RHEUMATOLOGISTS

Z. Ahmad, S. Johnson

P.203 CORRELATION OF THE AMERICAN COLLEGE OF RHEUMATOLOGY PROVISIONAL COMPOSITE RESPONSE INDEX IN SYSTEMIC SCLEROSIS WITH SERUM BIOMARKERS OF FIBROGENESIS IN AN OBSERVATIONAL COHORT

G. Abignano, J. Blagojevic, S. Eng, M. Buch, P. Emery, D. Khanna, F. Del Galdo

IMAGING

- P.204 A RETROSPECTIVE STUDY OF PATIENTS WITH SYSTEMIC SCLERODERMA IN A GENERAL HOSPITAL IN NORTHWESTERN GREECE**
N. Zotos, M. Gianniki, E. Tatsina, M. Gerasimou, D. Bougias, C. Briasoulis, C. Mitsis, L. Papageorgiou, F. Adam, P. Christodoulou, A. Zotou, A. Pournou, G. Katagis, N. Tsifetaki
- P.205 LASER SPECKLE CONTRAST ANALYSIS, A PROMISING TOOL TO EVALUATE PERIPHERAL FLOW IN SYSTEMIC SCLEROSIS**
M. Cutolo, A. Vanhaecke, K. Melsens, F. De Keyser, S. De Schepper, E. Deschepper, Y. Piette, A.C. Trombetta, E. Vandecasteele, B. Ruaro, V. Smith
- P.206 STUDY TO INVESTIGATE THE RELATIONSHIP BETWEEN CAPILLAROSCOPY STAGE AND ORGAN INVOLVEMENT**
P. Traill, J. Golla, C. Baines, S. Bhat
- P.207 CRITERION VALIDITY OF ULTRASOUND IMAGING IN CHARACTERIZATION OF SKIN ULCERS IN SCLERODERMA**
Y. Suliman, S. Kafaja, Y. Tawfik, I. Valera, D. Furst
- P.208 CASE SERIES OF DIFFERENT PATTERNS OF CALCINOSIS IN OUR WAIKATO COHORT OF PATIENTS WITH SYSTEMIC SCLEROSIS**
K. Solanki, J. Schollum, D.H.N. White
- P.209 NUCLEAR IMAGING BIOMARKERS FOR TARGETED VISUALIZATION OF INTERSTITIAL LUNG DISEASE IN SYSTEMIC SCLEROSIS**
J. Schniering, M. Benesova, M. Brunner, C. Feghali-Bostwick, R. Schibli, O. Distler, C. Müller, B. Maurer
- P.210 DERMOSCOPY VERSUS VIDEOCAPILLAROSCOPY IN THE ASSESSMENT OF NAILFOLD CAPILLAROSCOPY IMAGES IN PATIENTS WITH SYSTEMIC SCLEROSIS AND HEALTHY CONTROLS**
G. Dinsdale, S. Peytrignet, T. Moore, M. Berks, C. Roberts, J. Manning, J. Allen, M. Anderson, M. Cutolo, R. Hesselstrand, K. Howell, C. Pizzorni, V. Smith, A. Sulli, M. Wildt, C. Taylor, A. Murray, A. Herrick
- P.211 QUANTIFYING THE RANGE OF NORMALITY IN NAILFOLD CAPILLARIES: COMPARING DENSITY AND WIDTH BETWEEN HEALTHY CONTROL AND SSC POPULATIONS**
S. Peytrignet, T. Moore, M. Berks, C. Roberts, J. Manning, J. Allen, M. Anderson, M. Cutolo, R. Hesselstrand, K. Howell, C. Pizzorni, V. Smith, A. Sulli, M. Wildt, C. Taylor, A. Murray, A. Herrick, G. Dinsdale
- P.212 THE PROGNOSTIC VALUE OF NAILFOLD CAPILLAROSCOPY IN SYSTEMIC SCLEROSIS: A SYSTEMATIC LITERATURE REVIEW**
D. Paxton, J.D. Pauling
- P.213 FEASIBILITY STUDY OF MEASUREMENT OF OXYGENATION IN NAILFOLD CAPILLARIES IN PATIENTS WITH SYSTEMIC SCLEROSIS COMPARED TO HEALTHY CONTROLS**
M. Berks, G. Dinsdale, S. Peytrignet, T. Moore, J. Manning, S. Leggett, J. Murray, J. Clark, C. Cooke, J. Addison, C. Taylor, M. Dickinson, A. Herrick, A. Murray
- P.214 NAILFOLD CAPILLAROSCOPY FEATURES PREDICTING TRANSITION FROM UNDIFFERENTIATED CONNECTIVE TISSUE DISEASE INTO "SCLERODERMA SPECTRUM DISORDERS"**
M. Meroni, M. Parodi, P. Rossi, P. Stobbione
- P.215 NAILFOLD CAPILLAROSCOPY PICTURES MODIFICATIONS DURING PREGNANCY IN A CONNECTIVE TISSUE DISEASES COHORT**
M. Meroni, P. Rossi, M. Parodi, P. Stobbione
- P.216 CLINICAL AND ULTRASONOGRAPHIC EVALUATION OF JOINT AND TENDON INVOLVEMENT IN PATIENTS WITH SYSTEMIC SCLEROSIS**
M.V. Martire, P. Marcaida, S. Scarafia, G. Crespo, A. Secco, M. Mamani
- P.217 INHOMOGENEITY OF CAPILLAROSCOPIC CHANGES IN SYSTEMIC SCLEROSIS – PRACTICAL IMPLICATIONS**
S. Lambova, U. Müller-Ladner
- P.218 USING TRANSITIONAL CHANGES ON HRCT TO ASSESS THE IMPACT OF TREATMENT WITH CYCLOPHOSPHAMIDE OR MYCOPHENOLATE ON SYSTEMIC SCLEROSIS-RELATED INTERSTITIAL LUNG DISEASE FROM SCLERODERMA LUNG STUDY II**
G.H. Kim, D.P. Tashkin, M.S. Brown, E. Volkman, P. Lo, D.W. Gjertson, P. Lu, D. Chong, J. Goldin
- P.219 IMAGING CALCINOSIS IN PATIENTS WITH SYSTEMIC SCLEROSIS BY RADIOGRAPHY, COMPUTERISED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING**
M. Hughes, R. Hodgson, J. Harris, N. Porter, S. Jackson, J. Manning, T. Moore, S. Peytrignet, C. Hutchinson, T. Cootes, A. Herrick

IMAGING

P.220 AUTOMATED ANALYSIS OF NAILFOLD IMAGES FROM HANDHELD DEVICES

M. Berks, G. Dinsdale, E. Marjanovic, T. Moore, J. Manning, A.K. Murray, C.J. Taylor, A.L. Herrick

P.221 ARTHRALGIAS ARE PREDICTIVE FACTORS OF FOOT INVOLVEMENT EVALUATED BY ULTRASONOGRAPHY IN PATIENTS WITH SYSTEMIC SCLEROSIS: A PROSPECTIVE STUDY

G. Cuomo, C. Romano, M. Zappia, L.E. Adinolfi

P.222 18F-FLUORODEOXYGLUCOSE (FDG) POSITRON EMISSION TOMOGRAPHY/ COMPUTER TOMOGRAPHY (PET/CT) SCAN AND LUNG INVOLVEMENT IN SYSTEMIC SCLEROSIS (SSC): WHICH IS THE FUTURE?

S. Bellando Randone, L. Tartarelli, E. Cavigli, S. Guiducci, C. Bruni, G. Lepri, C.M. Mihai, O. Distler, A. Pupi, M. Matucci Cerinic

P.223 CONE BEAM COMPUTED TOMOGRAPHY (CBCT) FOR THE ASSESSMENT OF ORAL MANIFESTATIONS IN PATIENTS WITH SYSTEMIC SCLEROSIS: PRELIMINARY RESULTS OF AN EUSTAR COHORT

C. Ancuta, C. Pomirleanu, M. Antohe, E. Ancuta, R. Chirieac, C. Iordache

P.228 NAILFOLD CAPILLARY MICROSCOPY AND LOW BODY MASS INDEX IN RAYNAUD'S PHENOMENON PATIENTS

A. Van Roon, A. Eman Abdulle, A.M. Van Roon, A.J. Stel, A.J. Smit, H. Bootsma, D.J. Mulder

P.229 CLINICAL CHARACTERISTICS OF CRITICAL LIMB ISCHEMIA IN SYSTEMIC SCLEROSIS

Y. Shirai, Y. Okazaki, M. Kuwana

P.230 ENDOTHELIAL DYSFUNCTION MARKERS AS CANDIDATES FOR DISEASE ACTIVATION BIOMARKERS

R. Sfrent-Cornateanu, A.M. Gheorghiu, D. Marta, R. Oneata, A. Radu, A. Briceag, C. Draganescu, C. Vrancianu, S. Magda, T. Constantinescu, A. Soare, R. Dobrota, I. Ancuta, C. Ciofu, L. Macovei, M. Milicescu, M. Sasu, O. Olteanu, M. Bojinca, V. Stoica, C. Mihai

P.231 ASSOCIATION BETWEEN OXYGEN DELIVERY TO TISSUES AND SKIN ULCERS IN SYSTEMIC SCLEROSIS

A. Sari, Y.Z. Sener, M. Oksul, B. Armagan, A. Erden, L. Kilic, A. Akdogan

P.232 RAYNAUD'S PHENOMENON AND ITS IMPACT ON ACTIVITIES IN DAILY LIFE DURING ONE YEAR OF FOLLOW-UP IN EARLY SYSTEMIC SCLEROSIS

G. Sandqvist, A. Schejja, M. Wildt, R. Hesselstrand

P.233 CORRELATIONS BETWEEN CHOROIDAL THICKNESS AND SKIN BLOOD PERFUSION IN SYSTEMIC SCLEROSIS PATIENTS, BEFORE AND AFTER ILOPROST TREATMENT

A. Sulli, B. Ruaro, S. Paolino, M. Nicolo', C. Pizzorni, C.E. Traverso, C.A. Cutolo

P.234 CORRELATION BETWEEN CAPILLAROSCOPY PATTERNS OF MICROANGIOPATHY AND SKIN INVOLVEMENT IN SYSTEMIC SCLEROSIS

B. Ruaro, A. Sulli, C. Pizzorni, S. Paolino, M. Ghio, E. Alessandri, M. Cutolo

P.235 ON-DEMAND SILDENAFIL AS A TREATMENT FOR RAYNAUD'S PHENOMENON: A SERIES OF N-OF-1 TRIALS

M. Roustit, J. Giai, O. Gaget, M. Mouhib, A. Lotito, C. Khouri, S. Blaise, C. Seinturier, F. Subtil, B. Imbert, P.H. Carpentier, S. Vohra, J.L. Cracowski

P.236 NAILFOLD VIDEOCAPILLAROSCOPY PATTERNS IN SCLERODERMA SPECTRUM DISORDERS

V. Rodrigues Bernardino, M. Fernandes, Ac. Rodrigues

VASCULAR

P.224 ARE EXTREMITY TELANGIECTASES RELATED TO SEVERE DISEASE IN SYSTEMIC SCLEROSIS?

Y. Yalcinkaya, O. Pehlivan, Z. Erturk, U. Gazel, A. Korkmaz, F. Alibaz-Oner, P. Atagunduz, H. Direskeneli, N. Inanc

P.225 CHARACTERISTICS AND CAPILLAROSCOPIC FINDINGS OF SYSTEMIC SCLEROSIS PATIENTS WITH SEVERE PERIPHERAL VASCULAR INVOLVEMENT RECEIVING SPECIFIC VASODILATOR TREATMENT

Y. Yalcinkaya, A.U. Unal, Z. Erturk, S. Kaymaz, P. Atagunduz, N. Inanc, H. Direskeneli

P.226 ARTERIAL HYPERTENSION IN PATIENTS WITH SYSTEMIC SCLEROSIS

E. Wielosz, M. Majdan, M. Dryglewska, A. Górak

P.227 ABNORMAL NAILFOLD CAPILLAROSCOPY PATTERN IS COMMON IN PATIENTS WITH CONNECTIVE TISSUE DISEASE AND ASSOCIATED WITH ORGAN INVOLVEMENT

A. Van Roon, C.C. Huisman, A.M. Van Roon, D. Zhang, A.J. Stel, A.J. Smit, H. Bootsma, D.J. Mulder

VASCULAR

- P.237 NAILFOLD VIDEOCAPILLAROSCOPY SCLERODERMA PATTERN IN PATIENTS WITHOUT CONNECTIVE TISSUE DISORDERS**
V. Rodrigues Bernardino, M. Fernandes, Ac. Rodrigues
- P.238 LEPTIN AND ADIPONECTIN LEVELS IN SYSTEMIC SCLEROSIS PATIENTS: CORRELATION WITH MANIFESTATIONS OF VASCULAR DAMAGE**
L. Gigante, E. De Lorenzis, G.B. Canestrari, G. Natalello, B. Toluoso, C. Di Mario, G. Ferraccioli, E. Gremese, S.L. Bosello
- P.239 SURVIVAL IN SYSTEMIC SCLEROSIS-ASSOCIATED DIGITAL ULCERS. META-ANALYSES AND SYSTEMATIC REVIEW OF THE LITERATURE**
P. Meunier, L. Dequidt, T. Barnetche, E. Lazaro, P. Duffau, C. Richez, L. Couzi, Me. Truchetet, J. Seneschal
- P.240 RELIABILITY OF SIMPLE CAPILLAROSCOPIC DEFINITIONS TO DESCRIBE CAPILLARY MORPHOLOGY IN RHEUMATIC DISEASES**
K. Melsens, M. Cutolo, A.L. Herrick, I. Foeldvari, E. Deschepper, F. De Keyser, O. Distler, F. Ingegnoli, Y. Mostmans, U. Müller-Ladner, C. Pizzorni, V. Riccieri, B. Ruaro, A. Sulli, A. Trombetta, A. Vanhaecke, V. Smith
- P.241 ULTRASONIC- ASSISTED WOUND DEBRIDEMENT COMPARED WITH AUTOLYTIC DEBRIDEMENT FOR SCLERODERMA ULCERS: A RETROSPECTIVE CLINICAL STUDY IN A HETEROGENEOUS POPULATION OF SYSTEMIC SCLEROSIS PATIENTS**
A. Marcoccia, C. Salvucci, T. D'Alesio, T. Nuzzo, M.G. Modesti
- P.242 COMBINATION OF CAPILLAROSCOPIC AND ULTRASONOGRAPHIC EVALUATIONS IN SYSTEMIC SCLEROSIS: RESULTS OF A CROSS-SECTIONAL STUDY**
A. Lescoat, G. Coiffier, M. de Carlan, C. Cazalets, A. Ballerie, C. Droicourt, A. Perdriger, P. Jégo
- P.243 ASSOCIATION OF SKIN PIGMENTATION DISORDERS WITH VASCULAR INVOLVEMENT IN SYSTEMIC SCLEROSIS: ANALYSIS OF A COHORT OF 239 PATIENTS**
V. Leroy, P. Henrot, T. Barnetche, M. Cario-Andre, P. Manicki, A.S. Darrigade, C. Richez, M.S. Doutre, E. Lazaro, D. Barcat, J.P. Vernhes, J. Constans, A. Taieb, M.E. Truchetet, J. Seneschal
- P.244 EVALUATION OF NAILFOLD CAPILLAROSCOPIC PATTERN AND CAPILLARY DENSITY IN 318 PATIENTS WITH CONNECTIVE TISSUE DISEASES**
G. Kumánovics, G. Nagy, L. Czirkák
- P.245 COMPARATIVE EFFICACY OF TREATMENTS FOR SECONDARY RAYNAUD'S PHENOMENON: A SYSTEMATIC REVIEW AND NETWORK META-ANALYSIS OF RANDOMIZED TRIALS**
C. Khouri, M. Lepelley, S. Blaise, Y. Allanore, Al. Herrick, Jl. Cracowski, M. Roustit
- P.246 WHOLE BODY DISTRIBUTION AND CLINICAL ASSOCIATIONS OF TELANGIECTASIA IN SYSTEMIC SCLEROSIS: A CROSS-SECTIONAL STUDY**
M. Jouvray, D. Launay, S. Dubucquoi, V. Sobanski, C. Podevin, M. Lambert, S. Morell-Dubois, P.Y. Hatron, E. Hachulla, J. Giovannelli
- P.247 SAFETY AND EFFECTIVENESS OF HYPERBARIC OXYGEN THERAPY FOR SYSTEMIC SCLEROSIS ULCERS**
S. Armstrong, A. Evans, Z. Ahmad, S. Johnson
- P.248 VENOUS THROMBOEMBOLISM IN SYSTEMIC SCLEROSIS: PREVALENCE, RISK FACTORS AND IMPACT ON SURVIVAL**
S. Johnson, N. Hakami, Z. Ahmad, D. Wijeyesundera
- P.249 A FEASIBILITY STUDY OF A NOVEL LIGHT TREATMENT FOR DIGITAL ULCERS IN SYSTEMIC SCLEROSIS**
M. Hughes, T. Moore, J. Manning, J. Wilkinson, S. Watson, P. Samraj, G. Dinsdale, C. Roberts, A. Herrick, A. Murray
- P.250 A STUDY EXAMINING THE RELIABILITY OF DIGITAL ULCER DEFINITIONS AS PROPOSED BY THE UK SCLERODERMA STUDY GROUP: CHALLENGES AND INSIGHTS FOR FUTURE CLINICAL TRIAL DESIGN**
M. Hughes, M. Bhushan, K. Chakravarty, C. Denton, S. Dubey, S. Guiducci, L. Muir, V. Ong, L. Parker, J. Pauling, A. Prabu, J. Ravenscroft, C. Rogers, C. Roberts, A. Tracey, A. Herrick
- P.251 STUDY OF QUANTITATIVE VIDEOCAPILLAROSCOPY IN SYSTEMIC SCLEROSIS**
A. Guillen-Del-Castillo, A. Selva, E.L. Callejas-Moraga, C. Tolosa-Vilella, S. Alonso-Vila, I. Sanz-Pérez, V. Fonollosa-Pla, C.P. Simeón-Aznar
- P.252 ENDOTHELIAL DYSFUNCTION AND CORTICOSTEROID THERAPY IN PATIENTS WITH SCLERODERMA**
J.J. Gonzalez, P. Garcia De La Peña, O. Carrion, A. Abdelkader
- P.253 SUBCLINICAL ATHEROMATOSIS AND VITAMIN D DEFICIENCY IN PATIENTS WITH SCLERODERMA**
J.J. Gonzalez, P. Garcia De La Peña, O. Carrion, A. Abdelkader

VASCULAR

- P.254 INTRAVENOUS EPOPROSTENOL AS TREATMENT FOR DIGITAL VASCULOPATHY ASSOCIATED WITH THE SCLERODERMA SPECTRUM OF DISEASES**
H. Farber, S. Law, R. Simms
- P.255 THE ROLE OF NAILFOLD CAPILLAROSCOPY IN THE STUDY OF RAYNAUD'S PHENOMENON - EXPERIENCE IN A MEDICAL CENTER IN ARGENTINA**
S. Scarafia, M.A. Cusa
- P.256 DIFFERENTIAL DIAGNOSIS OF NECROTIC DIGITAL ULCERS MANAGED IN THE LAST 7 YEARS IN AN INTERNAL MEDICINE UNIT: A PROPOS 14 PATIENTS**
G. Chalhoub
- P.257 A COHORT STUDY OF MACROVASCULAR INVOLVEMENT IN PATIENTS WITH SYSTEMIC SCLEROSIS**
C. Caimmi, S. De Marchi, G. Astorino, E. Bertoldo, P. Caramaschi, M. Rossini
- P.258 SEVERE SYSTEMIC SCLEROSIS AND NAILFOLD MICROANGIOPATHY**
M. Boonstra, D.C. Noordhoek, T.W.J. Huizinga, L.J.J. Beart van de Voorde, J.K. de Vries-Bouwstra
- P.259 CORRELATION BETWEEN HEALING TIME AND BLOOD PERFUSION BY LASER SPECKLE CONTRAST ANALYSIS IN PATIENTS WITH SYSTEMIC SCLEROSIS**
S. Barsotti, A. D'Ascanio, V. Venturini, L. Amanzi, S. Bilia, M. Mosca, A. Della Rossa
- P.260 RAYNAUD'S PHENOMENON IN PATIENTS WITH SYSTEMIC SCLEROSIS TREATED WITH PROSTANOIDS**
Z. Bagautdinova, I. Gaisin
- P.261 ASSOCIATION BETWEEN BONE DENSITY AND MICROARCHITECTURE AND MICRO- AND MACRO-VASCULAR IMPAIRMENTS AT THE HAND IN SYSTEMIC SCLEROSIS**
L. Atlan, N. Ibrahim, A. Valery, C. Bazzi, F. Rollin, G. Bens, M. Marot, E. Esteve, E. Lespessailles
- P.262 CAPILLAROSCOPIC FINDINGS IN PATIENTS WITH INCOMPLETE CREST SYNDROME: PRELIMINARY RESULTS**
C. Pomirleanu, R. Paiu, E. Ancuta, R. Chiriac, C. Ancuta
- P.263 SUBCLINICAL ATHEROSCLEROSIS IS LOWER IN PATIENTS WITH SYSTEMIC SCLEROSIS THAN IN PATIENTS WITH RHEUMATOID ARTHRITIS**
M. Aguilar-Zamora, L. Montolio-Chiva, M. Robustillo-Villarino, D. Ybáñez-García, E. Valls-Pascual, A. Martínez-Ferrer, E. Rodilla-Sala, J.J. Alegre-Sancho
- P.264 CAPILLAROSCOPY AND MACROVASCULAR DISEASE IN PATIENTS WITH SYSTEMIC SCLEROSIS**
M. Aguilar-Zamora, L. Montolio-Chiva, M. Robustillo-Villarino, D. Ybáñez-García, E. Valls-Pascual, A. Martínez-Ferrer, J.A. Román-Ivorra, J.J. Alegre-Sancho
- P.265 FACTORS RELATED WITH THE DEVELOPMENT OF ATHEROSCLEROSIS IN PATIENTS WITH SYSTEMIC SCLEROSIS**
M. Aguilar-Zamora, L. Montolio-Chiva, M. Robustillo-Villarino, D. Ybáñez-García, E. Valls-Pascual, A. Martínez-Ferrer, J.A. Román-Ivorra, J.J. Alegre-Sancho
- P.266 STUDY OF THE ROLE OF IL-6 IN THE DEVELOPMENT OF ATHEROSCLEROSIS IN PATIENTS WITH SYSTEMIC SCLEROSIS**
M. Aguilar-Zamora, L. Montolio-Chiva, M. Robustillo-Villarino, D. Ybáñez-García, E. Valls-Pascual, A. Martínez-Ferrer, J.A. Román-Ivorra, J.J. Alegre-Sancho
- P.267 IMPLICATIONS OF CAPILLAROSCOPIC PATTERNS ON CLINICAL MANIFESTATIONS AND PROGNOSIS IN THE SPANISH REGISTRY OF SYSTEMIC SCLEROSIS PATIENTS (RESCLE)**
M. Rodero

RENAL

- P.268 ROLE OF COMPLEMENT IN SCLERODERMA RENAL CRISIS**
A.L. Langlois, V. Fremeaux-Bacchi, L. Mouthon, Y. Delmas, A. Pruna, Q. Raimbourg, E. Therivet, A. Karras

MUSCULOSKELETAL SYSTEM & REHABILITATION

- P.269 AN EXPLORATIVE STUDY EVALUATING FEASIBILITY AND EFFECTIVENESS OF TWO DIFFERENT EXERCISE PROGRAMS IN SYSTEMIC SCLEROSIS ASSOCIATED MICROSTOMIA**
E. Sydow, S. Arat, G. Nijs, S. Severi, R. Westhovens, J. Lenaerts, E. De Langhe
- P.270 PRELIMINARY DATA OF AN INTENSIVE PHYSIOTHERAPY PROGRAMME FOR INDIVIDUALS WITH SYSTEMIC SCLEROSIS - SINGLE-CENTER CONTROLLED STUDY**
M. Spiritovic, H. Smucrova, S. Oreska, H. Storkanova, P. Cesak, A. Rathouska, O. Ruzickova, H. Mann, K. Pavelka, L. Senolt, J. Vencovsky, R. Becvar, M. Tomcik
- P.271 SIGNIFICANCE OF COMBINED ANTI-CCP ANTIBODIES AND RHEUMATOID FACTOR IN A NEW ZEALAND COHORT OF PATIENTS WITH SYSTEMIC SCLEROSIS**
K. Solanki, S. Kamalaksha, D.H.N. White
- P.272 FREQUENCY AND CLINICAL CHARACTERISTICS OF PATIENTS WITH SYSTEMIC SCLEROSIS POSITIVE FOR ANTIBODIES TO RIBONUCLEOPROTEIN**
R. Shayakhmetova, L. Ananieva, O. Koneva, M. Starovoitova, O. Desinova, O. Ovsyannikova
- P.273 PANNICULITIS OCCURRING IN SYSTEMIC SCLEROSIS: A REPORT OF 17 CASES FROM A LARGE UK SYSTEMIC SCLEROSIS COHORT**
A. Saracino, P. Fiandeiro, S. Nihtyanova, V. Ong, C. Orteu, C. Denton
- P.274 PERIPHERAL NEUROPATHY IN SYSTEMIC SCLEROSIS**
P. Sampaio-Barros, J. Teixeira, S. Gavinier, A. P. Luppino-Assad, H. Silva, D. Andrade
- P.275 IMPAIRED MUSCLE FUNCTION AND SHOULDER-ARM MOVEMENT IN PATIENTS WITH SYSTEMIC SCLEROSIS**
H. Pettersson, C. Boström, R. Walle-Hansen, L. Jakobsson, E. Svenungsson, A. Nordin, H. Alexanderson
- P.276 CHANGES OF BODY COMPOSITION IN SCLERODERMA PATIENTS – DECREASED LEAN BODY MASS, BODY FAT AND BONE MINERAL DENSITY ARE ASSOCIATED WITH DISEASE ACTIVITY AND PHYSICAL ACTIVITY**
S. Oreska, M. Spiritovic, P. Cesak, M. Cesak, H. Storkanova, K. Kubinova, M. Klein, L. Vernerova, O. Ruzickova, H. Mann, K. Pavelka, L. Senolt, J. Vencovsky, R. Becvar, M. Tomcik
- P.277 FUNCTIONAL IMPACT OF MUSCULOSKELETAL INVOLVEMENT DETECTED BY US EVALUATION IN THE HAND OF SYSTEMIC SCLEROSIS PATIENTS: A TRANSVERSAL STUDY ON 67 PATIENTS**
G. Coiffier, A. Lescoat, A. Ballerie, C. Cazalets, C. Droitcourt, N. Belhomme, I. Bonan, A. Perdriger, P. Jégo
- P.278 MUSCULOSKELETAL INVOLVEMENT ASSESSED BY PDUS IN SYSTEMIC SCLEROSIS: RESULTS OF A CROSS-SECTIONAL STUDY ON 102 PATIENTS AND ASSOCIATIONS WITH THE MAIN CLINICAL CHARACTERISTICS OF THE DISEASE**
A. Lescoat, A. Ballerie, C. Cazalets, N. Belhomme, C. Droitcourt, A. Perdriger, P. Jégo, G. Coiffier
- P.279 A HOME BASED PROGRAM FOR HANDS IN SYSTEMIC SCLEROSIS**
S. Landim, M. Bertolo, M.F. Abreu, A.P. Del Rio, C.C. Mazon, J.F. Marques-Neto, J.L. Poole, E. Magalhães
- P.280 RANDOMIZED FEASIBILITY TRIAL OF THE SCLERODERMA PATIENT-CENTERED INTERVENTION NETWORK HAND EXERCISE PROGRAM (SPIN-HAND)**
L. Kwakkenbos, M.E. Carrier, I. Boutron, J. Welling, M. Sauve, C. van den Ende, A.A. Schouffoer, M. Hudson, B.D. Thombs, L. Mouthon
- P.281 RELATIONSHIP BETWEEN GLYCOPROTEIN YKL-40 AND MUSCULOSKELETAL ULTRASONOGRAPHY (US) IN SYSTEMIC SCLEROSIS (SSC)**
R. Karalilova, M. Kazakova, V. Sarafian, M. Matucci-Cerinic, An. Batalov
- P.282 FOOT INVOLVEMENT IN PATIENTS WITH SYSTEMIC SCLEROSIS: A SINGLE-CENTRE REPORT**
G. Cuomo, C. Romano, A. Ruta, L.E. Adinolfi
- P.283 CORTICOSTEROID-SPARING BENEFIT OF INTRAVENOUS IMMUNOGLOBULINS IN SYSTEMIC SCLEROSIS-ASSOCIATED MYOPATHY: A RETROSPECTIVE STUDY OF 52 PATIENTS**
B. Chaigne, N. Benmostefa, S. Rodeia, A. Bérézne, P. Cohen, A. Régent, B. Terrier, N. Costedoat-Chalumeau, L. Guillevin, C. Le Jeune, L. Mouthon
- P.284 LACK OF SPECIFICITY OF CLINICAL IMPRESSIONS AND LABORATORY WORK UP FOR DIAGNOSING OSTEOMYELITIS IN SYSTEMIC SCLEROSIS PATIENTS**
Y. Braun-Moscovici, Z. Keidar, M. Braun, D. Markovits, K. Toledano, Y. Tavor, F. Sabach, K. Dolnikov, A. Rozin, N. Finkelstein, A. Balbir-Gurman

MUSCULOSKELETAL SYSTEM & REHABILITATION

P.285 PATTERNS OF PHYSICAL THERAPY PRESCRIPTION IN PATIENTS OF THE GERMAN NETWORK FOR SYSTEMIC SCLEROSIS

D. Belz, P. Moinzadeh, N. Blank, E. Siegert, J. Henes, M. Worm, C. Sunderkoetter, M. Schmalzing, A. Kreuter, C. Gunther, L. Susok, G. Zeidler, I. Koetter, U. Mueller-Ladner, T. Krieg, A. Juche, T. Schmeiser, G. Riemekasten, E. Aberer, N. Gaebelein-Wissing, J.H.W. Distler, M. Sárdy, C. Pfeiffer, K. Kuhr, N. Hunzelmann

P.286 RATES AND PREDICTORS OF PHYSICAL THERAPY AND OCCUPATIONAL THERAPY UTILIZATION IN SYSTEMIC SCLEROSIS: A SCLERODERMA PATIENT-CENTERED INTERVENTION NETWORK COHORT STUDY

K. Becetti, L. Kwakkenbos, M. Carrier, J.K. Gordon, J. Nguyen, C. Mancuso, B.D. Thombs, R.F. Spiera

P.291 CHARACTERISTICS OF THE ESOPHAGEAL INVOLVEMENT AND ITS CORRELATIONS IN A LARGE COHORT OF PATIENTS WITH SYSTEMIC SCLEROSIS

P. Sampaio-Barros, H. Silva, A. P. Luppino Assad, D. Andrade

P.292 TREATMENT OF SMALL INTESTINAL BACTERIAL OVERGROWTH IN SYSTEMIC SCLEROSIS: A SYSTEMATIC REVIEW

S. Rawn, N. Pittman, M. Stiffel, M. Wang, K. Beattie, A. Masetto, M. Larche

P.293 NUTRITIONAL STATUS CORRELATES WITH ORAL HEALTH AND DISEASE CHARACTERISTICS IN SYSTEMIC SCLEROSIS PATIENTS - CROSS-SECTIONAL PILOT STUDY

M. Radic, K. Boric, I. Bozic, K. Parat, D. Martinovic Kaliterna

P.294 ASSESSMENT OF ESOPHAGEAL DYSMOTILITY DISORDER BY HIGH RESOLUTION MANOMETRY IN SYSTEMIC SCLEROSIS: ASSOCIATION WITH CLINICAL FEATURES

H. Poormoghim, H. Fakre Yaseri, S. Dodangheh, A. Jalali, E. Andalib

P.295 GASTROINTESTINAL INVOLVEMENT AND MALNUTRITION RISK IN SCLERODERMA PATIENTS

E. Pigatto, G. Bagnato, P. Polito, E. Zanatta, M. Favaro, A. Saitta, L. Punzi, F. Cozzi

P.296 ROLE OF HIGH RESOLUTION MANOMETRY FOR DIAGNOSIS OF ESOPHAGEAL DISORDERS IN A GROUP OF PATIENTS WITH SYSTEMIC SCLEROSIS

V. Parra Izquierdo, S. Bernal Macias, V. Costa, A.M. Leguizamo, F. Avila, A. Hani

P.297 COMPARATIVE ANALYSIS OF ENDOSCOPIC FEATURES OF UPPER GASTROINTESTINAL TRACT IN PATIENTS WITH SYSTEMIC SCLEROSIS VERSUS HEALTHY CONTROL

J.W. Park, J.H. Kim, J.S. Kim, E.B. Lee

P.298 HIGHER BODY MASS INDEX IS RELATED WITH DECREASED SERUM TGF-BETA LEVEL IN SYSTEMIC SCLEROSIS

S.S. Koca, B. Gundogdu, B. Oz, A. Karatas, S. Aydin

P.299 ABNORMAL OESOPHAGEAL MOTILITY IS ASSOCIATED WITH DISEASE SEVERITY AND DISEASE PROGRESSION IN SYSTEMIC SCLEROSIS

S. Bütikofer, S. Jordan, M. Sauter, M. Hollenstein, H. Heinrich, N. Freitas-Queiroz, T. Kuntzen, P. Valli, D. Ang, M. Oberacher, B. Maurer, W. Schwizer, M. Fox, O. Distler, B. Misselwitz

GASTROINTESTINAL/NUTRITION

P.287 THE ASSOCIATION BETWEEN TWO NON-INVASIVE METHODS FOR THE ASSESSMENT OF SEVERITY OF GASTROINTESTINAL INVOLVEMENT AND MALNUTRITION IN SYSTEMIC SCLEROSIS: SELF-REPORTED QUESTIONNAIRES AND CAPILLAROSCOPY

Y. Yalcinkaya, Z. Erturk, O. Pehlivan, A.U. Unal, S. Kaymaz, P. Atagunduz, H. Direskeneli, N. Inanc

P.288 HIGH-RESOLUTION IMPEDANCE MANOMETRY PATTERNS IN ASYMPTOMATIC SYSTEMIC SCLEROSIS PATIENTS

S. Vettori, D. Capocotta, R. Chieffo, V. Giacco, L. Docimo, S. Tolone

P.289 HEPATOBILIARY INVOLVEMENT (HBI) IN SYSTEMIC SCLEROSIS (SSC): CHARACTERISTICS AND SURVIVAL OF PATIENTS FROM THE SPANISH RESCLE REGISTRY

C. Tolosa, B. Mari-Alfonso, A. Guillén-Alvarez, M. Rubio-Rivas, L. Trapiella-Martinez, J.A. Todolí-Parra, M. Rodríguez-Carballeira, A. Marín-Ballvé, N. Iniesta-Arandia, D. Colunga-Argüelles, M.J. Castillo-Palma, L. Sáez-Comet, N. Ortego-Centeno, M. Freire, J.A. Vargas-Hitos, A.J. Chamorro, A.B. Madroño-Vuelta, I. Perales-Fraile, X. Pla-Salas, A. Fernández-De-La-Puebla, V. Fonollosa-Plà, C.P. Simeón-Aznar, On Behalf Rescle Investigators

P.290 GASTROINTESTINAL ENDOSCOPIC FINDINGS IN SYSTEMIC SCLEROSIS

A. Sari, B. Armagan, A. Erden, D. Guven, L. Kilic, A. Akdogan

GASTROINTESTINAL/NUTRITION

- P.300 SKIN INVOLVEMENT AND RAYNUD'S PHENOMENON VARIABILITY IN A MONOCENTRIC COHORT OF PATIENTS AFFECTED BY SYSTEMIC SCLEROSIS ALONE AND IN ASSOCIATION WITH PRIMARY BILIARY CIRRHOSIS (PBC)**
F. Girelli, A. Ariani, M. Bruschi, E. Fabbri, L. Gardelli, M. Nizzoli
- P.301 PREVALENCE AND ASSOCIATED FACTORS OF SMALL INTESTINAL BACTERIAL OVERGROWTH AMONG SYSTEMIC SCLEROSIS PATIENTS**
C. Foocharoen, K. Sawadpanich, P. Soison, K. Chunlertrith, P. Mairiang, W. Sukeepaisarnjaroen, A. Sangchan, T. Suttichaimongkol, R. Naragara
- P.302 VIDEOFLUOROSCOPY SWALLOW STUDY IN PATIENTS WITH SYSTEMIC SCLEROSIS. ORAL, PHARYNGEAL AND ESOPHAGEAL PHASE AND CORRELATION WITH CLINICAL PATTERNS**
C. Fischetti, P. Fraticelli, A.M. Pisani, L. Zuliani, A. Ferrarini, S. Barchiesi, G.M. Giuseppetti, A. Gabrielli
- P.303 DIGESTIVE AND NUTRITIONAL SURVEY IN SYSTEMIC SCLEROSIS PATIENTS**
V. Ernest, B. D'Andrea, C. Mettler, S. Gentile, E. Jouve, M.C. Morin, R. Saglio, A. Benyammine, P. Rossi, D. Godard, B. Granel
- P.304 CLINICAL IMPACT OF SELENIUM AND VITAMIN C DEFICIENCY IN SYSTEMIC SCLEROSIS**
R. Dupont, G. Moulis, L. Astudillo, P. Arlet, L. Sailler, G. Pugnet
- P.305 CHRONIC INTESTINAL PSEUDO-OBSTRUCTION SYNDROME REVEALING A SCLERODERMA**
G. Chalhoub
- P.306 NUTRITIONAL STATUS, VITAMIN D LEVELS AND SKIN INVOLVEMENT IN PATIENTS WITH SYSTEMIC SCLEROSIS**
A. Burlui, A. Cardoneanu, A. Gherasim, M. Graur, E. Rezus
- P.307 GASTROINTESTINAL INVOLVEMENT AND ENDOCRINE MANIFESTATIONS IN SYSTEMIC SCLEROSIS. REAL LIFE DATA FROM A REFERRAL CENTER IN NORTHERN GREECE**
I. Kostoglou-Athanassiou, T. Banti, M. Gatsiou, P. Athanassiou

PREGNANCY & GENDER RELATED ISSUES

- P.308 CHARACTERISTICS OF SYSTEMIC SCLEROSIS IN MEN: A COMPARATIVE STUDY IN A GROUP OF TUNISIAN PATIENTS**
T. Ben Salem, M. Tougorti, M. Lamoum, I. Bn. Ghorbel, M.H. Houman

RECENT ADVANCES IN THERAPY

- P.309 HIT HARD AND EARLY**
B.E. Kersten, W.H.T. van den Hombergh, H.K.A. Knaapen, P.M. van der Kraan, C.H.M. van den Ende, F.H.J. van den Hoogen, M.C. Vonk
- P.310 VITAMIN D DEFICIENCY CORRELATES WITH ADVANCED ORGAN INVOLVEMENT IN EUROPEAN SYSTEMIC SCLEROSIS PATIENTS**
A.C. Trombetta, V. Smith, E. Gotelli, M. Ghio, S. Paolino, C. Pizzorni, A. Vanhaecke, B. Ruaro, M. Patane, A. Sulli, M. Cutolo
- P.311 EFFECT OF 6 MONTHS THERAPY WITH ILOPROST ON ENHANCED LIVER FIBROSIS (ELF) TEST AND ITS ASSOCIATION WITH DISEASE ACTIVITY AND VASCULAR MANIFESTATIONS IN PATIENTS WITH SYSTEMIC SCLEROSIS (SSC)**
K. Stefanantoni, I. Sciarra, M. Vasile, G. Abignano, C. Corinaldesi, C. Antinozzi, C. Crescioli, F. Del Galdo, G. Valesini, V. Ricciari
- P.312 ILOPROST THERAPY IN SYSTEMIC SCLEROSIS: A POSSIBLE ROLE ON DISEASE ACTIVITY CHANGES AND CXCL4 CHEMOKINE SERUM LEVELS**
K. Stefanantoni, I. Sciarra, M. Vasile, R. Palazzo, L. Frasca, G. Valesini, V. Ricciari
- P.313 AUTOLOGOUS FAT GRAFTING IN THE TREATMENT OF PATIENTS WITH SYSTEMIC SCLEROSIS: OUR EXPERIENCE AND FUTURE PERSPECTIVES**
A. Spinella, M. Pignatti, F. Lumetti, G. Boscaini, M. Colaci, E. Cocchiara, G. De Santis, C. Ferri, D. Giuggioli
- P.314 TOPICAL NITROGLYCERINE (NTG) VS MATCHING VEHICLE IN SECONDARY RAYNAUD PHENOMENON (RP) – A DOUBLE-BLIND CROSSOVER STUDY OF SUBJECTIVE AND PHYSIOLOGIC RESPONSES TO CONTROLLED COLD CHALLENGE**
J.R. Seibold, D. Khanna, L. Mendez, R. Namas, M.E. Csuka, P. Caldron, J. Molitor, A.J. Kivitz, P. Waller, L. Shapiro, S. Najam, A. Khan, V. Steen, A. Chadha

RECENT ADVANCES IN THERAPY

- P.315 IMPROVEMENT OF DERMAL THICKNESS IN SYSTEMIC SCLEROSIS PATIENTS TREATED WITH ENDOTHELIN RECEPTOR ANTAGONIST: LONG TERM STUDY BY HIGH FREQUENCY ULTRASOUND**
B. Ruaro, A. Sulli, C. Pizzorni, S. Paolino, V. Tomatis, E. Alessandri, M. Cutolo
- P.316 THERAPEUTIC EFFECT OF MSC-DERIVED EXTRACELLULAR VESICLES IN SYSTEMIC SCLEROSIS**
P. Rozier, M. Maumus, A. Maria, C. Jorgensen, D. Noel, P. Guilpain
- P.317 CONTROL OF FIBROBLAST POLARIZATION AS POTENTIAL NEW STRATEGY TO TERMINATE TISSUE FIBROSIS**
T. Wohlfahrt, S. Rauber, A.E. Matei, A. Soare, M. Lubet, G. Schett, J.H.W. Distler, A. Ramming
- P.318 MESENCHYMAL STEM CELL FUNCTION IS AFFECTED BY SERUM-MEDIATED OXIDATIVE STRESS FROM SYSTEMIC SCLEROSIS PATIENTS**
G. Fonteneau, C. Bony, R. Goulabchand, A. Maria, C. Jorgensen, P. Guilpain, D. Noel
- P.319 TWO YEARS FOLLOW-UP OF AN OPEN-LABEL PILOT STUDY OF TREATMENT WITH RITUXIMAB IN PATIENTS WITH EARLY DIFFUSE CUTANEOUS SYSTEMIC SCLEROSIS**
K. Melsens, E. Vandecasteele, E. Deschepper, V. Badot, D. Blockmans, G. Brusselle, E. De Langhe, M. De Pauw, C. Debusschere, S. Decuman, L. Deroo, F. Houssiau, J. Lenaerts, Y. Piette, K. Thevissen, M. Vanthuyne, R. Westhovens, S. Wijnant, F. De Keyser, V. Smith, A. Vanhaecke
- P.320 FIBROSIS DEVELOPMENT IN HOCL-INDUCED SYSTEMIC SCLEROSIS: A MULTISTAGE PROCESS HAMPERED BY MESENCHYMAL STEM CELL THERAPY**
A. Maria, K. Toupet, M. Maumus, P. Rozier, M.C. Vozenin, A. Le Quellec, C. Jorgensen, D. Noël, P. Guilpain
- P.321 REGENERATIVE SURGERY IN SYSTEMIC SCLEROSIS**
G. Magalon, A. Daumas, J. Magalon, D. Casanova, C. Philandrianos, N. Sautereau, P. Guillaume-Jugnot, F. Dignat-George, J. Veran, F. Sabatier, B. Granel
- P.322 ANTI RNAPOL AND TOPOI AUTOANTIBODY REACTIVITY AND DISEASE MANIFESTATIONS FROM THE FASCINATE SYSTEMIC SCLEROSIS TRIAL**
S. Lopez, A. Jahreis, T. Sornasse, J. Siegel, J. Garg, D. Khanna, C. Lin
- P.323 TOCILIZUMAB TREATMENT FOR PATIENTS WITH SYSTEMIC SCLEROSIS. DESCRIPTION OF 14 PATIENTS FROM MEIR MEDICAL CENTER**
Y. Levy, G. Zacay
- P.324 PERTINENCE OF MYCOPHENOLATE MOFETIL'S AREA UNDER THE CURVE SYSTEMIC SCLEROSIS ASSOCIATED WITH DIFFUSE SKIN AND/OR PULMONARY INVOLVEMENT**
P. Legendre, B. Blanchet, R. Porcher, A. Berezne, M. Allard, J. London, B. Terrier, P. Cohen, C. Le Jeunne, L. Mouthon
- P.325 THE SELECTIVE S1P1 ANTAGONIST ACT-334441 AMELIORATES MURINE SCLERODERMATOUS CHRONIC GRAFT VERSUS HOST DISEASE**
M. Kano, M. Date, T. Matsushita, Y. Hamaguchi, K. Takehara
- P.326 MOLECULAR MECHANISM FOR THE THERAPEUTIC EFFECT OF EXTRACORPOREAL SHOCK WAVE THERAPY ON DIGITAL ULCERS OF SYSTEMIC SCLEROSIS**
Y. Kamogawa, H. Fujii, T. Shirai, T. Ishii, H. Harigae
- P.327 NON-RANDOMIZED CONTROLLED TRIAL TO EVALUATE THE EFFECT OF EXTRACORPOREAL SHOCK WAVE THERAPY ON DIGITAL ULCERS IN SYSTEMIC SCLEROSIS**
T. Ishii, Y. Kamogawa, H. Fujii, Y. Shirota, T. Shirai, Y. Fujita
- P.328 RITUXIMAB TREATMENT FOR SYSTEMIC SCLEROSIS-ASSOCIATED INTERSTITIAL LUNG DISEASE**
L.P. Ananieva, O.A. Koneva, O.V. Desinova, S.I. Glukhova, M.N. Starovoytova, L.A. Garzanova, O.B. Ovsyannikova, A.V. Volkov, E.N. Alexandrova
- P.329 ADIPOSE-DERIVED CELL THERAPY FOR HAND DYSFUNCTION IN PATIENTS WITH SYSTEMIC SCLEROSIS: A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED TRIAL**
D. Khanna, C. Derk, R. Domsic, S. Kafaja, J. Ervin, M. Mayes, S. Chatterjee, A. Shah, J. Varga, R. Simms, R. Spiera, V. Steen, S. Shahouri, V. Hsu, J. Yocum, M. Adams, P. Caldron, R. Martin, D. Furst, L. Hummers, M. Marino, J. Fraser
- P.330 NOVEL MACHINE LEARNING CLASSIFIER ACCURATELY PREDICTS THE INTRINSIC MOLECULAR SUBSETS FOR PATIENTS WITH SYSTEMIC SCLEROSIS IN MULTIPLE INDEPENDENT COHORTS**
J. Franks, V. Martyanov, G. Cai, M. Whitfield
- P.331 TOCILIZUMAB IS A PROMISING TREATMENT OPTION FOR THERAPY RESISTENT JUVENILE LOCALISED SCLERODERMA PATIENTS**
I. Foeldvari, J. Anton, M. Friswell, B. Bica, J. De Inocencio, A. Aquilani, N. Helmus
- P.332 TOCILIZUMAB FOR SYSTEMIC SCLEROSIS-RHEUMATOID ARTHRITIS OVERLAP: A CASE SERIES**
I.C. Filipescu, L. Damian, I. Felea, M. Deac-Badarinza, C. Pamfil, S. Rednic

RECENT ADVANCES IN THERAPY

- P.333 WITHDRAWN**
- P.334 INTRAVENOUS IMMUNOGLOBULINS PREVENTS EXPERIMENTAL FIBROSIS IN A MURINE MODEL OF SYSTEMIC SCLEROSIS**
M.M. Farhat, S. Speca, M. Jendoubi, C. Hauspie, T. Guerrier, V. Sobanski, S. Sanges, E. Hachulla, G. Lefevre, M. Labelette, S. Dubucquoi, D. Launay
- P.335 EFFECT OF SINGLE COURSE OF ILOMEDIN® IN THERAPY OF DIGITAL ULCERS DUE TO SYSTEMIC SCLEROSIS (SSC)**
M. Starovoytova, O. Desinova, O. Koneva, O. Ovsyannikova, L. Gorzanova
- P.336 INCREASED CXCL10 SERUM LEVELS IN SSC CAN BE CAUSED BY MYOCYTES ACTIVATION AND TARGETED BY SILDENAFIL. A NOVEL THERAPEUTIC OPPORTUNITY FOR PDE5 INHIBITION**
C. Corinaldesi, G. Abignano, C. Antinozzi, V. Riccieri, G. Valesini, M. Vasile, F. Marampon, A. Lenzi, K. Ballard, C. Crescioli, F. Del Galdo
- P.337 IMATINIB-LOADED GOLD NANOPARTICLES AMELIORATE EXPERIMENTAL LUNG FIBROSIS INDUCED BY BLEOMYCIN**
V. Codullo, F. Meloni, S. Breda, S. Inghilleri, E. Cova, C. Montecucco, J. Distler
- P.338 ABATACEPT IN SYSTEMIC SCLEROSIS : SAFETY AND EFFICACY DATA FROM THE EUSTAR NETWORK**
I. Castellvi, M. Elhai, C. Bruni, P. Airo, L. Beretta, V. Codullo, C. Montecucco, A. Balbir, F. Iannone, M. Matucci-Cerinic, O. Distler, Y. Allanore
- P.339 TREATMENT WITH ABATACEPT PROTECTS AGAINST EXPERIMENTAL GASTROINTESTINAL TRACT, LUNG PARENCHYMAL AND VESSEL FIBROSIS**
G. Boletto, S. Pezet, A. Cauvet, J. Sadoine, C. Guignabert, C. Nico, F. Batteux, Y. Allanore, J. Avouac
- P.340 SODIUM THIOSULPHATE IS AN EFFECTIVE TREATMENT FOR DYSTROPHIC CALCIFICATIONS**
R. Bech, J. Baumgartner, A. Braae-Olesen
- P.341 ENDOVENOUS PROSTANOIDS INFUSIONS FOR THE TREATMENT OF SYSTEMIC SCLEROSIS MICROANGIOPATHY: COMPARISON BETWEEN TWO THERAPEUTIC REGIMENS**
S. Barsotti, S. Bilia, A. D'Ascanio, A. Della Rossa, M. Mosca

- P.342 PAN-PPAR AGONIST IVA337 IS EFFECTIVE IN THE PREVENTION OF EXPERIMENTAL LUNG FIBROSIS AND PULMONARY HYPERTENSION**
J. Avouac, I. Konstantinova, C. Guignabert, J. Sadoine, T. Guilbert, S. Pezet, A. Cauvet, L. Tu, J.M. Luccarini, J.L. Junien, P. Broqua, Y. Allanore
- P.343 IS ABATACEPT A USEFULL TREATMENT FOR PATIENTS WITH LOCALIZED SCLERODERMA? A CASE DESCRIPTION OF ALL LOCALIZED SCLERODERMA PATIENTS TREATED WITH ABATACEPT AT THE DEPARTMENT OF DERMATOLOGY, AARHUS UNIVERSITY HOSPITAL, FROM 2009 TO 2016**
S. Wehner Fage, K. Bakke Arvesen, A.B. Olesen

NEW REGISTRIES

- P.344 MORTALITY IN THE WAIKATO HOSPITAL SYSTEMIC SCLEROSIS COHORT**
K. Solanki, C. Ooi, C. Lao, C. Frampton, D.H.N. White
- P.345 CLINICAL PATTERN OF SYSTEMIC SCLEROSIS IN EASTERN EUROPEAN REGION**
V. Semenov, T. Lysunets, O. Kuryata
- P.346 LONG-TERM FOLLOW-UP OF PRIMARY RAYNAUD'S PHENOMENON COHORT OF 214 PATIENTS**
F. Ortiz Sanjuán, C. Alcañiz Escandell, K. Arévalo Ruales, I. Chalmeta Verdejo, M. De La Rubia Navarro, C. Feded Olmos, J. Fragio Gil, R. González Mazarío, E. Grau García, E. Labrador Sánchez, I. Martínez Cordellat, R. Negueroles Albuixech, J. Oller Rodríguez, E. Vicens Bernabeu, L. González Puig, J. Ivorra Cortés, Ja. Román Ivorra
- P.347 THE SCLERODERMA PATIENT-CENTERED INTERVENTION NETWORK (SPIN) COHORT: BASELINE CLINICAL FEATURES AND COMPARISON TO OTHER LARGE SCLERODERMA COHORTS**
L. Kwakkenbos, D.H. Dougherty, M.E. Carrier, G. Salazar, S. Assassi, M. Baron, S.J. Bartlett, D.E. Furst, K. Gottesman, F. Van Den Hoogen, V.L. Malcarne, L. Mouthon, W. Nielson, M. Sauvé, B.D. Thombs, M.D. Mayes

NEW REGISTRIES

P.348 **DIFFUSE SYSTEMIC SCLEROSIS WITH ANTI-CENTROMERE ANTIBODIES AND LIMITED SYSTEMIC SCLEROSIS WITH ANTI-TOPOISOMERASE ANTIBODIES: THINKING BEYOND THE SKIN**

N. Iniesta Arandia, G. Espinosa Garriga, M. Rodriguez Carballeira, X. Pla Salas, A. Chamorro, I. Perales Fraile, V. Fonollosa Pla, C.P. Simeon Aznar

P.349 **STUDY OF THE IMMUNOLOGICAL PROFILE OF PATIENTS SUFFERING FROM PRURITUS IN THE SYSTEMIC SCLERODERMA**

G. Gourier, C. Therene, C. Abasq-Thomas, E. Brenaut, H. Sonbol, E. Pasquier, A. Saraux, V. Devauchelle, E. Le Moigne, L. Misery, Y. Renaudineau

P.350 **VITAMIN D INHIBITS IL-17A AND IL-17F SECRETION IN PBMC FROM SYSTEMIC SCLEROSIS PATIENTS**

M. Galdino Da Rocha Pitta, A. Rodrigues De Almeida, A. Tavares Dantas, M. Ferraz Cordeiro, M.C. Pereira, R. Silva Guimarães Gonçalves, M.J. Barreto De Melo Rêgo, A.L. Branco Pinto Duarte

P.351 **REUMA.PT/SCLERODERMA PROTOCOL: A SINGLE CENTRE EXPERIENCE**

I. Cordeiro, C. Tenazinha, P. Martins, S. Barreira, V. Teixeira, N. Khmelinskii, C. Resende, J.E. Fonseca

P.352 **SKIN BIOMECHANICAL PROPERTIES IN PATIENTS WITH SYSTEMIC SCLEROSIS: WHAT PARAMETER SHOULD BE USED?**

S. Blaise, M. Roustit, J.L. Cracowski

P.353 **PROFILE OF ARAB PATIENTS DIAGNOSED WITH SYSTEMIC SCLEROSIS IN QATAR**

F. Alam Fiaz, S. Al Emadi Samar

CASE REPORTS

P.354 **CASE SERIES OF MALIGNANCIES IN OUR WAIKATO COHORT OF PATIENTS WITH SYSTEMIC SCLEROSIS**

K. Solanki, J. Schollum, D.H.N. White

P.355 **THINK ABOUT SCLERODERMA RENAL CRISIS**

P. Smets, L. Olagne, A. Mania, A. Ducornet, A. Aumaitre, M. Andre

P.356 **PANSCLEROTIC MORPHOEIA AND EOSINOPHILIC FASCIITIS; A SPECTRUM OR DISTINCT ENTITIES?**

A. Saracino, C. Orteu

P.357 **AN INDIVIDUALIZED MANUAL THERAPY TECHNIQUES IN PATIENTS WITH SYSTEMIC SCLEROSIS MAY IMPROVE HAND MOBILITY – CASE REPORT**

M.W. Romanowski, W. Romanowski, W. Samborski

P.358 **MACITENTAN IN SCLERODERMA RENAL CRISIS MANAGEMENT IN PATIENT WITH RNA POLIMERASE III POSITIVE SYSTEMIC SCLEROSIS AND T-CELL LYMPHOBLASTIC LYMPHOMA**

H.S. Park, M. Millan, B. Magallares, P. Moya, C. Diaz-Torne, A. Laiz, I. Castelli

P.359 **WITHDRAWN**

P.360 **RITUXIMAB IN 2 PATIENTS - SKIN AND MUSCLE INVOLVEMENT**

R. Nichitean, A. Mociran, G. Gusetu, S. Rednic

P.361 **PEDIATRIC SCLERODERMA CASE ASSOCIATED WITH BOTH PM-SCL-75 AND PM-SCL-100 ANTIBODIES**

I. Muresan, R. Nichitean, L. Damian, L. Muntean, I. Felea, I. Filipescu, D. Balint-Gib, M. Badarinza, T. Rusti, S. Rednic

P.362 **SHOULD WE LOOK FOR ANTI-RNA POLYMERASE III ANTIBODIES IN SYSTEMIC SCLEROSIS PATIENTS WITH ANTI-CENTROMERE OR ANTI-TOPOISOMERASE I ANTIBODIES?**

R. Muller, A. Benyamine, D. Bertin, X. Heim, A. Aillaud, J.R. Harle, M. Ebbo, N. Schleinitz, G. Kaplanski, C. Gomez, P. Rossi, B. Granel, N. Bardin

P.363 **COEXISTENCE OF AORTITIS AND DIFFUSE SYSTEMIC SCLEROSIS - A CASE REPORT**

E. Morgiel, M. Madej, B. Maciazek-Chyra, M. Guzinski, A. Czarnaeka, P. Wiland

CASE REPORTS

- P.364 SEVERE WEIGHT LOSS IN DIFFUSE SYSTEMIC SCLEROSIS: WHAT CAN IT MEAN?**
P. Mendonca, A. Taulaigo, E. Patarata, I. Figueiredo, S. Castro, M. Fernandes, A. Lladó, H. Gruner, V. Bernardino, A. Caetano, C. Ribeiro, M.F. Moraes-Fontes
- P.365 AUTO-ANTIBODIES PROFILE IN SYSTEMIC SCLERODERMA: CONCERNING 412 PATIENTS**
W. Mendjel, S.S. Salah, M. Benidir, D. Hakem, D. Foudil, K. Saidani, S. Soudani, N. Abdelaoui, N. Ouaret, N. Attal
- P.366 WERNER SYNDROME IS A SCLERODERMA LIKE SYNDROME**
A. Marcoccia, A. Ciani, C. Salvucci, T. D'alesio, T. Nuzzo, F. Bondanini, M.G. Bacalini, T. Guastafierro, M.G. Modesti
- P.367 SUCCESSFUL DELIVERY WITH SPINAL ANESTHESIA FOR CESAREAN SECTION IN A PATIENT WITH DIFFUSE SYSTEMIC SCLEROSIS AND PULMONARY FIBROSIS**
M. Kechida, M. Hafsa, R. Mesfar, W. Benyahia, S. Hammami, I. Khochtali
- P.368 JUVENILE SYSTEMIC SCLEROSIS REVEALING POLYSPLENIA SYNDROME**
M. Kechida, R. Mesfar, B. Hmida, W. Benyahia, R. Klii, S. Hammami, I. Khochtali
- P.369 PALISADED NEUTROPHILIC GRANULOMATOUS DERMATITIS IN A PATIENT WITH SYSTEMIC SCLEROSIS-RHEUMATOID ARTHRITIS OVERLAP SYNDROME**
K.H. Jung, S.R. Kwon, M.J. Lim, S.Y. Bang, J.H. Shin, K.H. Sook, W. Park
- P.370 A CASE OF COEXISTENCE OF SYSTEMIC SCLEROSIS AND ANKYLOSING SPONDYLITIS**
J. Jun, B. Koo, Y. Song, S. Lee, C. Choi, T. Kim
- P.371 BENIGN SPONTANEOUS PNEUMOPERITONEUM DUE TO PNEUMATOSIS CYSTOIDES INTESTINALIS IN A PATIENT WITH MIXED CONNECTIVE TISSUE DISEASE: A CASE REPORT**
C. Choi, B. Kang, J. Jun
- P.372 SEIZING WOUND CARE IN SCLERODERMA: USE OF TOPICAL PHENYTOIN IN DIFFICULT TO TREAT LEG ULCERS IN SCLERODERMA PATIENT**
S. Jain, S. Lakshminarayanan
- P.373 IMMUNOSUPPRESSANT THERAPIES FOR A SYSTEMIC SCLEROSIS PATIENT WITH ANTI-CENTRIOLE ANTIBODY**
Y. Ishii, H. Fujii, Y. Hoshi, Y. Fujita, T. Shirai, Y. Shiota, T. Ishii, H. Harigae
- P.374 SYNCHRONOUS LUNG CANCER OF PROGRESSIVE SYSTEMIC SCLERODERMA !! ABOUT A NEW REPORTED CASE**
D. Hakem, M. Boudjema, K. Abacci, N. Slimani, R. Boughrarou, B. Mansouri, S. Haddam, N. Djenane, C. Aimeur, A. Berrah, R. Baba-Ahmad
- P.375 SCLERODERMA WITH RENAL CRISIS INITIALLY DIAGNOSED AS RHEUMATOID ARTHRITIS-ASSOCIATED INTERSTITIAL LUNG DISEASE**
K. Gheorghie, A. Nordin
- P.376 RITUXIMAB FOR THE TREATMENT OF SYSTEMIC SCLEROSIS-RELATED CARDIOMYOPATHY. CLINICAL CASES**
L. Garzanova, L. Ananieva, D. Alekseev, O. Koneva, O. Ovsyannikova, I. Nikishina
- P.377 COEXISTENCE OF RARE ENTITIES IN SYSTEMIC SCLEROSIS - COINCIDENCE OR RELATIONSHIP?**
R. Ferreira, S. Pimenta, N. Melo, L. Costa
- P.378 CAPILLAROSCOPY IN SSC/DM**
Z. Fabianne
- P.379 IMMUNOADSORPTION IN REFRACTORY, SEVERE SYSTEMIC SCLEROSIS**
A. Erler, J. Fantana, A. Kleymann, N. Leuchten, K. Conrad, M. Aringer
- P.380 PROGRESSIVE SYSTEMIC SCLEROSIS WITH CONCOMITANTLY OCCURRING ARTERIAL STIFFNESS: A CASE REPORT**
A. Eman Abdulle, S.C van de Zande, A.M. van Roon, D.J. Mulder
- P.381 INTRAVENOUS EPOPROSTENOL - A PROMISING THERAPY IN SCLERODERMA DIGITAL VASCULOPATHY**
A.C. Duarte, M.J. Loureiro, M.J. Santos, A. Cordeiro
- P.382 NINTEDANIB – A NEW OPORTUNITY FOR SYSTEMIC SCLEROSIS PATIENTS?**
A.C. Duarte, M.J. Santos, A. Cordeiro
- P.383 CHRONIC COMPARTMENT SYNDROME IN LOCALISED SCLERODERMA**
D. Dan, P. Zufferey, G. Gremion
- P.384 ROLE OF RITUXIMAB IN SEVERE HEALING DIGITAL ULCER AND GANGRENE**
S.H. Chang, S.W. Lee
- P.385 DEVELOPMENT OF SYSTEMIC SCLEROSIS IN TRANSGENDERED FEMALES: A CASE SERIES**
C. Campochiaro, L.V. Host, V.H. Ong, C.P. Denton

CASE REPORTS

P.386 PARANEOPLASTIC SYSTEMIC SCLEROSIS ASSOCIATED WITH OVARIAN CARCINOMA

H. Bugaut, C. Robert

P.387 SYSTEMIC SCLEROSIS ASSOCIATED WITH NEUTROPHILIC DERMATOSES: A REPORT OF TWO CASES

T. Ben Salem, M. Tougorti, I. Ben Ghorbel, M. Lamloum, M.H. Houman

P.388 SUCCESSFUL LONG-TERM TREATMENT OF SYSTEMIC SCLEROSIS PATIENTS WITH D-PENICILLAMINE

M. Baresic, D. Bosnic, M. Sentic, B. Anic

P.389 RITUXIMAB TREATMENT IN SYSTEMIC SCLEROSIS. REPORT OF TWO CASES

P. Athanassiou, T. Banti, M. Gatsiou