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Karla Rottmayer[1], Ramona Landgraf[1], Nicole Lakowa[2], Thomas Grünewald[2], Ilias Doxiadis[1] and Claudia Lehmann[1].
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P17/ID 1675

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P18/ID 7606

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Daria Stashkevich[1], Daria Shmelkova[1], Elena Khromova[1], Inessa Devald[1], Tatiana Suslova[2] and Alexandra Burmistrova[1].
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Julia Chumacheva[1], Daria Stashkevich[1], Tatiana Suslova[1] and Alexandra Burmistrova[1].
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Bilkay Basturk[1,2], Miray Kavuzlu[2] and Mutlu Kasar[3].
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Ofek Akerman[1], Reut Levi[1] and Yoram Louzoun[1].
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P25/ID 4818

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Sonia Bourguiba-Hachemi[1], Nayane S. B. Silva[1], Venceslas Douillard[1], Pierre-Antoine Gourraud[1], Sophie Limou[1] and Nicolas Vince[1].
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Linh Truong[1,2], Felipe Ayora[3], Lloyd D'Orsogna[1,2], Patricia Martinez[1,2] and Dianne De Santis[1,2].
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Amit Kabya[1], Sapir Israeli[1], Martin Maiers[2] and Yoram Louzoun[1].
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Enrique Alanis[1], David Roessli[1], Jose Manuel Nunes[1] and Da Di[1].
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Simon Brocard[1], Martin Morin[1], Axelle Durand[1], Pierre-Antoine Gourraud[1], Mario Sudholt[2,3], Adrien Tissot[1] and Sophie Limou[1].
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Kazutoyo Osoegawa[1], Lin Wang[1], Ketevan Gendzekhadze[2], Cathi Murphey[3] and Marcelo A. Fernández Viña[4].
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Anna Serova-Erard[1], Sonia Bourguiba-Hachemi[1], Pierre-Antoine Gourraud[1], Nicolas Vince[1] and François Cornelis[1].
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Amy De'Ath[1], Geraint Clarke[1], Deborah Pritchard[1] and Tracey Rees[2].
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Juan Yunis[1], Mayorie Dakkak[1], Adriana Chamorro[1], Natalia Arias[1], Jhon Rodriguez[1] and Alexandra Cortez[1].
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Martina Soldarini[1], Anna Maria Cafro[1], Paola Bertazzoni[1], Maria Luisa Pioltelli[1], Giorgia Cornacchini[1], Giuliana Lando[1], Elisabetta Sommaruga[1], Antonio Milano[1], Roberto Cairoli[1], Silvano Rossini[1] and Roberto Crocchiolo[1].
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Sharon Vivers[1,2], Raymond Fernando[3], Sandra Frater[1], Maya Knox-Macaulay[4], Franco Tavarozzi[1] and Lisa Walsh[1].
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Comparison of two methodologies for monitoring chimerism after allogeneic stem-cell transplantation: Next-Generation Sequencing (NGS) vs. Short-Tandem Repeats (STR)

Jairo Niño-Ramírez[1], Alejandro Medina[1], Estrella Arnés-Moreta[1], Ana Balanzategui[1], Rocío Corral[1], Alicia Antón[1], María García-Álvarez[1], Rebeca Maldonado[1], Miguel Bastos-Boente[1], Igor de la Torre[1], Nerea H. Vidaña[1], Cristina Jiménez[1], María Eugenia Sarasquete[1], M. Carmen Chillón[1], Montserrat Hernández-Ruano[1], Sandra M. Lucas[1], Ana Isabel Sánchez-González[1], Inmaculada Sánchez-Villares[1], Verónica González-Calle[1], Almudena Navarro-Bailón[1], Francisco Boix[1], F. Javier Gil-Etayo[1], Amalia Tejeda-Velarde[1], Ramón García-Sanz[1] and Miguel Alcoceba[1].
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P49/ID 6587

Loss of mismatched HLA haplotype after haplo-identical hematopoietic stem cell transplantation relapse

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P50/ID 8003
Detection of HLA Antibodies in potential haploidentical HSC transplant recipients
Natalia Ivanova[1], Irina Pavlova[2], Vera Khvoshch[1], Anna Nasredinova[1], Veronika Ermolina[1], Svetlana Typushkina[1], Svetlana Merzlykova[1] and Alexander Kulagin[1].
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P51/ID 5022
Assessment of Chimerism by Next Generation Sequencing: A Comparison to STR-PCR method
Darren Brow[1], Jasmine Kendrick[1], David Viswanatha[2], Mohamed Kharfan Dabaja[3] and Mohamed Elrefaei[1].
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P52/ID 3828
Chimerism analysis using next generation sequencing
Sara Iozzi[1], Dario Ciappi[1], Simona Palchetti[1], Ugo Ricci[1], Giovanni Rombolà[1] and Elisabetta Pelo[1].
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P53/ID 1995
Non-malignant hematological diseases treated by haploidentical hematopoietic stem cell transplantation: anti-HLA antibodies and graft failure
Paola Giustiniani[1], Federica Galaverna[2], Pietro Merli[2], Antonio Giuseppe Bianculli[1], Marco Becilli[2], Roberto Carta[2], Emilia Boccieri[2], Maria Troiano[1], Rita Maria Pinto[2], Mariarosa Battarra[1], Marco Andreani[1] and Franco Locatelli[2,3].
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P54/ID 447
KIR Genotyping of Hematopoietic Stem Cell haploidentical donors: a single center experience
Francesco Ingrassia[1*], Alice Pecoraro[1*], Maria Blando[1], Alessia Angela Corica[1], Floriana Di Paola[1], Rosalba Bavetta[1], Serena Mistretta[1], Floriana Bruno[1], Giuseppe Davì[1], Angela Lo Brutto[1], Valentina Cappuzzo[1] and Roberta Fedele[1].
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P55/ID 7887
Comparing accuracy of HLA typing from DNA extracted from blood and buccal samples for patients in remission from malignant hematological disease and healthy donors
Charlotte A. Cambridge[1], Gabriel J. Benitez[1], Jack Dishington[1], Neema P. Mayor[2] and Steven G.E. Marsh[2].
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P56/ID 7443
A novel HLA-DQA1*01 null allele identified in a Brazilian hematopoietic stem cell transplantation recipient affects the expression of HLA-DQ5 protein
Gisele F Rampim[1], Renata Fantini[1], Tuila B Mourão[1], Renato de Marco[1] and Maria Gerbase-DeLima[1].
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P57/ID 783
Haploidentical Stem Cell Transplantation in a patient sensitized with Donor Specific Antibodies
Serena Mistretta[1], Rosalba Bavetta[1], Floriana Bruno[1], Alessia Corica[1], Giuseppe Davì[1], Floriana Di Paola[1], Francesco Ingrassia[1], Alice Pecoraro[1], Maria Blando[1], Valentina Cappuzzo[1] and Roberta Fedele[1].
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P58/ID 1487
PCR-associated HLA-C allele drop-out in two related samples typed by next generation sequencing – a cautionary tale
Elizabeth De Mendonca[1], Thomas R. Turner[2,3], Ceylan Alushi[1], Jexray Sayno[1], Ravneet K. Bola[1], Reetinder Grewal[1], Michael Hoddinott[1], Raymond Fernando[4], Neema P. Mayor[2,3], Sandra Frater[1], Sharon Vivers[1,3], Franco Tavarozzi[1] and Lisa Walsh[1].
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P59/ID 1544
Two cases of HLA mistyping in patients with acute myeloid leukemia before transplantation
Sabine Wenda[1], Ingrid Faé[1], Cornelia Grill[2] and Gottfried Fischer[1].
[1]Medical+ University of Vienna, Vienna, Austria, [2]General Hospital of Vienna, Vienna, Austria.

P60/ID 1236
Transplanting across a donor specific HLA antibody in hematopoietic stem cell transplantation
Zdenka Edwards[1], Sandra Frater[1], James Peat[1], Raymond Fernando[2], Lisa Walsh[1] and Sharon Vivers[3].
[1]Anthony Nolan, London, UK, [2]Royal Free Hospital, London, UK, [3]Anthony Nolan, UCL Cancer Institute, UCL Campus, London, UK.

P61/ID 2703
Case report of a patient with acute myeloid leukemia complicated by recurrent hemophagocytic syndrome with pancytopenia and sepsis
Eva Miarkova[1] and Hana Cechova[2].
[1]Department of Immunohematology, [2]Department of Cell Chimerism, Institute of Hematology and Blood Transfusion, Prague, Czech Republic.

P62/ID 6682
Activities of the Macedonian Bone Marrow Donor Registry in the search and match process
Meri Kirijas[1], Boban Dobrevski[1], Gorjan Milanovski[1], Teodora Brnjarchevska Blazhevska[1], Tamara Savevska[1] and Aleksandar Petlichkovski[1].
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P63/ID 2838
HLA-A, -B, -C, -DRB1, -DRB3/DRB4/DRB5, -DQA1, -DQB1, -DPA1, -DPB1 haplotypes in families of patients awaiting allogeneic hematopoietic stem cell transplantation
Ekaterina Khamaganova[1], Stanislav Khizhinskiy[1], Aliona Abdrakhimova[1], Evgeniy Leonov[1], Elena Kuzminova[1], Larisa Kuzmina[1] and Elena Parovichnikova[1].
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P64/ID 289
HLA-DRB3/4/5 and HLA-DRB1 allele and haplotype frequencies in hematological patients planned for hematopoietic stem cell transplantation
Barbara Jovanovic[1], Nikola Kacaki[1], Zorana Andric[1], Glorija Blagojevic[1] and Zeljka Nenadovic[1].
[1]Blood Transfusion Institute of Serbia, Belgrade, Serbia.

P65/ID 4428

High-resolution HLA allele frequencies in unrelated populations determined by next generation sequencing

Andreea Caragea[1], Radu Ioan Ursu[1], Larisa Denisa Ursu[2], Ion Maruntelu[2], Adriana Talangescu[2], Mirela Maria Iacob2, Maria Tizu[2], Alexandra Gabriela Matei[3], Alexandra Cojocaru[3], Adelina Mariana Marin[3], Alexandra Bianca Mocanu[3], Simona Filimon[1], Anamaria Calin[3], Radu Alexandru Truica[3], Anisia Capitanu Reisler[3], Bianca Andreea Catana[3], Alex Stefan Calimente[3] and Ileana Constantinescu[3].
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P66/ID 1739

The Automation of DNA Quantification and Normalization Workflow through the Introduction of the MaxPrep Liquid Handler

Chyba! Nenalezen zdroj odkazů. Fatima Moghnieh[1], Kyle Annette-Woodgate[1], Madalina Pinzaru[1] and Lisa Walsh[1].
[1]Anthony Nolan, London, UK.

P67/ID 9790

External Proficiency Testing offered by the HLA Department of the Institute of Hematology and Blood Transfusion in Prague, Czech Republic: Detection of HLA Alleles Associated with Diseases

Chyba! Nenalezen zdroj odkazů. Nazarová S.[1], Zemánková L. [1], Půbalová Š. [1], Kinská B. [1], Vraná M[1]
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Immunogenetics in Organ Transplantation

P68 /ID 1886

Adsorption with X-match cells and Elution (AXE) protocol testing to clarify HLA antibody reactivity in a highly sensitized patient

Sandra Tafulo[1] and Robert Liwski[2].
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P69/ID 3995

Imlifidase desensitization in a highly-sensitized kidney transplant recipient

Angeliki Vittoraki[1], Stathis Tsiakas[2], Eleni Stergiopoulou[1], Sofia Ioannou[1], Alexandra Siorenta[1], Athina Aikaterini Nikolaou[1], Sofia Nikolaou[1], Eirini Karchilaki[1], Vasiliki Vrani[1], Dimitra Skoumi[1], Smaragdi Marinaki[2], Maria Darema[2], Georgios Paterakis[1] and John N. Boletis[1].
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P70/ID 3527

Major histocompatibility class I chain-related gene A (MICA) mismatching and development of anti-MICA antibodies after heart transplantation

Marija Burek Kamenaric[1], Lucija Jukic[1], Marija Maskalan[1], Katarina Stingl Jankovic[1], Zorana Grubic[1], Bosko Skoric[1], Maja Cikes[1], Davor Milicic[1], Hrvoje Gasparovic[1] and Renata Zunec[2].
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P71/ID 9737

Efficacy and limits of anti-Rituximab antibodies use in cross-matches for patients treated with Rituximab prior to kidney transplantation in Grenoble University Hospital

Johan Noble[1], Elodie Gautier-Veyret[2], Ornella Senoussi[3], Clara Manoukian[3], Dominique Masson[3], Béatrice Bardy[3], Thomas Jouve[1], Lionel Rostaing[4], Paolo Malvezzi[1] and Céline Dard[3].
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P72/ID 2383

Quantification of plasma and urine Annexin-V positive microparticles as biomarkers in a Donor Specific Antibody positive kidney transplant population

Valentine Jacob[1], Quentin De Berny[1], François Brazier[1], Claire Presne[1] and Nicolas Guillaume[1].
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P73/ID 136

Antibody monitoring in highly sensitized kidney transplant candidate with preformed donor specific antibodies and desensitized with Imlifidase before kidney transplantation. First case in Italy

Elisa Trovato Salinaro[1] and Maria Paola Albergoni[1].
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P74/ID 9213

Donor specific HLA-DPw antibodies in a highly sensitized kidney transplant recipient – a case report

Dolores Hrusovar[1], Natalija Pisec[1], Miha Arnol[2,3] and Blanka Vidan Jeras[1].
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P75/ID 3365
High resolution HLA typing in kidney transplantation increases the access to transplant in highly sensitized patients
Francisco Javier Gil-Etayo[1,2], María Pilar Fraile-Gómez[3,4], Guadalupe Tabernero[2,3,4], Jairo Eduardo Niño Ramírez[1,2,4], Isabel Jiménez Hernaz[1], Pilar Terradillos Sánchez[1], Ana Balanzategui[1,2], Ariadna Vicente Parra[1], Ramón García Sanz[1,2,4,5,6] and Amalia Tejeda-Velarde[1,2].
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P76/ID 5429
HLA-Cw, -DQ and -DP relevance in cPRA calculation before and after kidney transplantation
Imen Daoud[1], Aida Charfi[1], Arwa Kamoun[1], Nadia Mahfoudh[1], Mondher Masmoudi[2], Soumaya Yaich[2], Lilia Gaddour[1], Faiza Hakim[1], Mohamed Ben Hmida[2] and Hafedh Makni[1].
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P77/ID 2991
Selection of blood collection tube is crucial for accurate quantification of dd-cfDNA following solid organ transplant
Sofia Carlén[1] and Linnéa Pettersson[1].
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P78/ID 8714
The prozone effect - solving discrepancies in antibody testing in two cases
Tatjana Dukic[1], Jelena Dmitrovic[1] and Zorana Andric[1].
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P79/ID 2647
Impact of SARS-CoV-2 on HLA serological phenotyping level in southern Portugal solid organ donors
Ana Teixeira[1], Paula Almeida[1], Maria Isabel Silva[1], Dulce Roldão[1], Olga Abade[1], Pedro Mendonça[1], Cristiana Teixeira[1], Raquel Ferreira[1] and Luís Ramalhet[1].
[1]Centro Sangue e Transplantação de Lisboa- Area da Transplantação / Nova Medical School, Portugal.

P80/ID 939
HLA-A, -B and -DRB1 Distributions Among End Stage Renal Disease Patients in the Turkish Population
Servet Uluer Biceroglu[1], Semiha Ozgul[2], Olcay Seckin Genek[1], Salime Seda Altan[1], Aygül Celtik[3], Ipek Kaplan Bulut[3] and Ayhan Donmez[1].
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P81/ID 6984
Sensitization of patients in need of kidney transplantation with HLA antibodies in the Republic of Kazakhstan
Aida Turganbekova[1], Zhulduz Zhanzakova[1], Zhazira Saduakas[1], Dana Baimukasheva[1], Didara Khamitova[2], Kuralay Zhangazieva[1] and Saniya Abdrakhmanova[1].
[1]Research and Production Center of Transfusion, Kazakhstan Ministry of Health, Astana, Kazakhstan.

P82/1729

Transition from OneLambda to Immucor Single Antigen Bead assays for HLA Antibody Assessment Facilitates Access to Kidney Transplantation in Highly Sensitized Patients: a single-center experience

Corentin Streel[1], Arnaud Devresse[1], Yannick France[1], Valérie Dumont[1], Thibaut Gervais[1], Martine De Meyer[1], Tom Darius[1], Antoine Buemi[1], Michel Mourad[1], Eric Goffin[1], Véronique Deneys[1] and Nada Kanaan[1].
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MHC Evolution, Population Genetics

P83/ID 195

Differences in Allele Frequencies in the MICA and MICB genes between Sardinian and Caucasian/European Population

Celeste Sanna[1], Stefano Mocci[1], Sara Lai[1], Roberto Littera[1], Roberta Stradoni[1], Alessia Mascia[1], Federica Cannas[1], Michela Lorrai[1], Caterina Mereu[1], Stefania Tranquilli[1], Stefania Rassu[1], Erika Giuressi[1], Rita Porcella[1], Francesco Alba[1], Nicola Orrù[1] and Sabrina Giglio[1].
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P84/ID 343

Distribution of HLA-DRB3 alleles in Spanish population

Jairo Eduardo Niño Ramirez[1,2,3], Francisco Javier Gil-Etayo[1,2], Isabel Jiménez Hernaz[1,2], Pilar Terradillos Sánchez[1], Ariadna Vicente Parra[1], Ana Balanzategui[1,2,4,5], Miguel Bastos Boente[1,2,3], Miguel Alcoceba[1,2,4,5], Ramón García-Sanz[1,2,3,4,5] and Amalia Tejeda Velarde[1,2].
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P85/ID 1053

Aggressive behavior in Italian children with ADHD in the middle of COVID-19 pandemic: preliminary data on MAOA gene polymorphisms involvement

Ludovico Neri[1], Valentina Nanni[1], Pierluigi Sebastiani[2], Alessia Colanardi[2], Tiziana Del Beato[2] and Anna Aureli[2].
[1]Child-adolescent Neuropsychiatry Unit, San Salvatore Hospital, L'Aquila, Italy, [2]CNR Translational Pharmacology, L'Aquila, Italy.

P86/ID 1100

Haplotypes MICA-129Met/Val and HLA-B in the Russians population of Chelyabinsk region of Russian South Urals

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P87/ID 1135

Study of HLA-B51 and HLA-B27 antigen expression in non-infectious uveitis

Aymen Tezeghdenti[1], Chaima Khadhraoui[1] and Najah Boussetta[1].
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P88/ID 1139

Possibility of linkage disequilibrium between SNP-197 of IL17 and HLA class I and II in the Bashkir Chelyabinsk region

Daria Stashkevich[1] and Tatiana Suslova[2].
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P89/ID 1168

Distribution of the MHC patterns of Mexican Mestizo populations from the states of Durango vs Oaxaca and Cdmx

Clara Gorodezky[1], Karen Rivera[1], Arlett Del Olmo[1], Alejandra Florentino[1], Ma. Dolores Ozuna[1], Miguel Carmona[1], Juan Antonio González[1] and Rafael Franco-Santillán[2].
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P90/ID 2049
Recombination between HLA genes in two siblings
Ingrid Fae[1], Cornelia Grill[2], Sabine Wenda[1] and Gottfried Fischer[1].
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P91/ID 2354
Insertion/ deletion polymorphism of angiotensin-converting enzyme and susceptibility of psoriatic arthritis in a south Tunisian population
Mariem Maaloul[1], Aida Charfi[1], Arwa Kamoun[1], Afef Feki[2], Nadia Mahfoudh[1], Faiza Hakim[1], Lilia Gaddour[1], Sofiene Baklouti[2] and Hafedh Makni[1].
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P92/ID 2401
Association between migraine and HLA-B and HLA-DRB1 gene polymorphisms in a southern Croatia population
Sonja Jaman[1,2], Matea Tarabene[1], Barbara Stanić[1], Lucija Meštrović[3] and Esma Čečuk-Jeličić[1,2].
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P93/ID 2782
Next-generation sequencing reveals and validates HLA polymorphism among Croatians
Marija Maskalan[1], Zorana Grubic[1], Katarina Stingl Jankovic[1], Marija Burek Kamenaric[1], Lucija Jukic[1] and Renata Zunec[1].
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P94/ID 2875
DRB1*04:02 allele: the DR4 associated with DRB4*01:03:01:02N in the Spanish population
Jairo Eduardo Niño Ramirez[1,2,3], Francisco Javier Gil-Etayo[1,2], Isabel Jiménez Hernaz[1], Pilar Terradillos Sánchez[1], Ariadna Vicente Parra[1], Ana Balanzategui[1,2,4,5], Miguel Bastos Boente[1,2,3], Miguel Alcoceba[1,2,4,5], Ramón García-Sanz[1,2,3,4,5] and Amalia Tejeda-Velarde[1,2].
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P95/ID 3318
Serological equivalents of rare HLA alleles in French population
Dominique Masson[1], Mathilde Cherel[2], Isabelle Jollet[3], Barbara Proust[3], Jean-Luc Taupin[4] and Alexandre Walencik[5].
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P96/ID 3576
Distribution of Mhc-C encoded C1 and C2 epitopes and inhibitory KIR repertoire potential in West-African chimpanzees and humans
Natasja de Groot[1], Corrine Heijmans[1], Jesse Bruijnesteijn[1], Alicia Sanchez-Mazas[2] and Ronald E. Bontrop[1,3].
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P97/ID 3678
Identification of 8-Digit HLA-A, -B, -C, -DPA1, -DPB1, -DQA1, -DQB1 and -DRB1 allele and haplotype frequencies in a South Tunisian population
Aida Charfi[1], Mariem Maaloul[1], Arwa Kamoun[1], Stéphane Buhler[2], Delphine Mouron[2], Jean Villard[2], Alicia Sanchez-Mazas[3], Jose Manuel Nunes[4], Faiza Hakim[1], Lilia Gaddour[1], Hafedh Makni[1] and Nadia Mahfoudh[1].
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P98/ID 3918
Endoplasmic reticulum aminopeptidase gene polymorphism and susceptibility of psoriatic arthritis in a south Tunisian population
Mariem Maaloul[1], Aida Charfi[1], Nadia Mahfoudh[1], Afef Feki[2], Arwa Kamoun[1], Lilia Gaddour[1], Faiza Hakim[1], Sofiene Baklouti[2] and Hafedh Makni[2].
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P99/ID 3997
Distribution of the HLA-DPA1 and -DPB1 alleles in a South Tunisian population
Aida Charfi[1], Mariem Maaloul[1], Arwa Kamoun[1], Stéphane Buhler[2], Delphine Mouron[2], Jean Villard[2], Alicia Sanchez-Mazas[3], Jose Manuel Nunes[4], Faiza Hakim[1], Lilia Gaddour[1], Hafedh Makni[1] and Nadia Mahfoudh[1].
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P100/ID 4169
Detection of HLA-A and HLA-J haplotype diversity from next-generation sequencing data in commercially available samples
Jessica Edwards[1], Danial Shamsuddin[1], Christopher Newbound[1] and Curtis Lind[1].
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P101/ID 4547
Association between HLA and SARS-COV-2 infection in Mexican Mestizos
Karen Rivera[1], Ma. Dolores Ozuna[1], Ricardo Peral[1], Araceli Rodríguez[1,2] and Clara Gorodezky[1].
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P102/ID 5029
HLA-C Allele-Sharing Associated with High Viral load (HIV-1 RNA) Increases the Risk of HIV-1 Transmission among Heterosexual Serodiscordant Couples in Nigeria
Ngozi Otuonye[1], Ma Luo[2], Maureen Aniedobe[1] and Nkiruka Odunukwe[1].
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P103/ID 5660
Unravelling the architecture of Major Histocompatibility Complex class II regions in a primate species
Nanine de Groot[1], Jesse Bruijnesteijn[1], Marit van der Wiel[1], Natasja de Groot[1] and Ronald E. Bontrop[1,2].
[1]Comparative Genetics and Refinement, Biomedical Primate Research Centre, Rijswijk, Netherlands, [2]Theoretical Biology and Bioinformatics, Utrecht University, Utrecht, Netherlands.

P104/ID 6166
Identification of a rare association between DRB1*01:01 and DRB5 using and an NGS method
Maria Troiano[1], Tiziana Galluccio[1], Annalisa Guagnano[1], Giuseppe Testa[1], Andrea Di Luzio[1] and Marco Andreani[1].
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P105/ID 6539
The genetic impact of changes in mating patterns driven by post-war relocation of population and economic development
Chryso Pieridou[1,2], Andri Papaloizou[2], Georgios Kallis[2], Marios Georgiou[2], Anita Koumouli[2] and Paul Costeas[1,2].
[1]The Karaiskakio Foundation, Nicosia, Cyprus, [2]The Center for the Study of Hematological Malignancies, Nicosia, Cyprus.

P106/ID 6771
New HLA alleles identified in the admixed Brazilian population
Tânia K. de Araujo[1,2], Douglas C. Rosa[1,2], Fábio R. Torres[1,2], Fernando Cendes[2,3] and Iscia Lopes-Cendes[1,2].
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P107/ID 7158
Comparison of two single antigen bead assays for detection of anti-HLA antibodies and evaluation of their reactivity with complement binding
Georgios Lioulios[1], Konstantinos Ouranos[1], Manolis Panteli[1], Marianthi Papachristou[2], Aliki Xochelli[2], Artemis Maria Iosifidou[1], Chatzika Georgia[2], George Petasis[2], Maria Stangou[1] and Asimina Fylaktou[2].
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P108/ID 8479
Impact of TNF-alpha gene polymorphisms on the risk and clinical manifestations of Ulcerative Colitis
Olivia Mihaela Popa[1], Cristian Tieranu[1], Monica Dutescu[2], Mihai Bojinca1 and Luis Popa[3].
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P109/ID 9027
Comparative analysis of HLA-haplotype distributions in two Slavic populations
Elena Kuzmich[1], Irina Pavlova[1], Alena Hlaz[2], Tatyana Glazanova[1], Anastasia Pavlova[1], Anatoly Ihar Iskrou[2], Siarhei Liashchuk[2] and Ludmila Bubnova[1].
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NK cells & KIR

P110/ID 9581

Selective HLA haplotype loss and immunological escape of NPM1+ AML

Giovanni Rombolà[1], Beatrice Boschi[1], Irene Donnini[2], Giuseppina Marseglia[1], Clara Ballerini[3], Sara Iozzi[1], Michela Falco[4], Franco Papola[5], Roberto Crocchiolo[6], Sabrina Frusconi[1] and Elisabetta Pelo[1].
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P111/ID 1490

HLA-E and its NKG2 receptors in graft-versus-host disease

Jagoda Siemaszko[1], Anna Czyż[2], Agnieszka Szeremet[2], Maciej Majcherek[2], Małgorzata Sobczyk-Kruszelnicka[3], Wojciech Fidyk[3], Sebastian Giebel[3], Barbara Nasiłowska-Adamska[4], Iwona Solarska[4], Agnieszka Tomaszewska[5], Grzegorz W. Basak[5], Maria Bieniaszewska[6], Patrycja Skowrońska[6], Tomasz Wróbel[3] and Katarzyna Bogunia-Kubik[1].
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P112/ID 2762

The extent of non-expressed KIR3DL1 alleles in a French population

Nolwenn Legrand[1], Enora Ferron[1], Perla Salameh[1], Gaelle David[1], Marie-Claire Devilder[1], Catherine Willem[1,2], Ketevan Gendzekhadze[3], Peter Parham[4], Christelle Retiere[1,2,4] and Katia Gagne[1,2,4,5].
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P113/ID 1575

Allele frequencies for three framework Killer cell Immunoglobulin Like Receptor genes in the Western Australian population

Jonathan Downing[1], Fredrick Mobegi[1], Lloyd D'Orsogna[1], Patricia Martinez[1] and Dianne De Santis[1].
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P114/ID 5332

Allele-level characterization of KIR gene polymorphism in healthy elderly from four populations - Bulgarian, Romanian, Polish and Turkish

Bushra Hadra[1], Tsvetelin Lukanov[1], Ileana Constantinescu[2], Fatma Oguz[3], Dimitri Apostol[2], Yeliz Ogret[3], Katarzyna Bogunia-Kubik[4], Katarzyna Koscinska[5], Marta Dratwa[4], Adriana Talangescu[2], Alexandra-Elena Constantinescu[2], Ion Maruntelu[2], Anastasiya Mihaylova[6] and Elissaveta Naumova[1].
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P115/ID 7447

Short and Long Read sequencing data analysis of co-located Killer-cell Immunoglobulin-like Receptor genes 2DS3 and 2DS5

Bram Luiken[1], Loes van de Pasch[1], Linda Ouwerkerk[1], Anne Manders[1], Erik Rozemuller[1] and Maarten Penning[1].
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P116/ID 4691

KIR3DS1/HLA-Bw4 in Tunisian patients with chronic myeloid leukemia

Sirine Louati[1], Aida Charfi[1], Arwa Kammoun[2], Frikha Rim[3], Nadia Mahfoudh[1], Faiza Hakim[1], Lilia Gaddour[1], Hassen Kamoun[3] and Hafedh Makni[1].
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P117/ID 5940

KIR3DS1/HLA-Bw4 distribution in the Tunisian population

Sirine Louati[1], Aida Charfi[1], Arwa Kamoun[1], Nadia Mahfoudh[1] and Hafedh Makni[1].
[1]Histocompatibility and Immunology Laboratory, Hedi Chaker Hospital, Sfax, Tunisia.

New technologies & New Approaches in Immunogenetics

P118/ID 3860
A Modern twist on Compatibility Assessment in the Histocompatibility and Immunogenetics Laboratory
Alison Logan[1], Kay Poulton[1] and Douglas Dyer[2].
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P119/ID 2048
The NanoTYPE Experience: Nanopore Sequencing as a New Tool for HLA Laboratories Enabling Routine and Urgent High-Resolution Typing
Gregory Werner[1], Nina Lauterbach[2], Libor Kolesar[3] and Krisztina Rigó[4].
[1]Omixon Biocomputing Ltd, Switzerland, [2]Omixon Biocomputing Ltd, Netherlands, [3]Omixon Biocomputing Ltd, Czech Republic, [4]Omixon Biocomputing Ltd, Hungary.

P120/ID 500
Long read phased sequencing of HLA class I and II genes using MinION Sequencing
Dianne De Santis[1], Naser El-Lagta[1], Linh Truong[1], Felipe Ayora[2], Fredrick Mobegi[1] and Lloyd D'Orsogna[1].
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P121/ID 9993
Results of the 6 Month Post-Transplant Surveillance in patients transplanted with preformed donor-specific anti-HLA antibodies (DSA) by Adding Donor-Derived Cell-Free DNA (ddcfDNA) Testing
Maria Lasa-Lazaro[1], Miriam Velasco-Sidro[1], Tamara Ruiz Merlo[2], Natalia Polanco[3], Isabel Perez Flores[4], María José Castro-Panete[1], Estela Paz-Artal1 and Esther Mancebo[1].
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P122/ID 8430
Evaluating recent nanopore sequencing chemistries for rapid and conventional HLA typing
Pascal van der Weele[1], Marcel van de Streek[1], Sjoerd Creutzburg[1], Bart Valkenburg[1], Ioannis Nemparis[1], Joris Albers[1], Loes van de Pasch[1] and Maarten Penning[1].
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P123/ID 9319
Evaluation of the Nanotype™ assay for high-resolution hla typing
Gisele F Rampim[1], João H Campos[1], Tuila B Mourão[1], Valentina Proença[1], Eder F Sousa[1], Renato de Marco[1] and Maria Gerbase-DeLima[1].
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P124/ID 6620
Evaluation of the Magelia for automated purification of Caredx® Alloseq HCT kit libraries in the context of post-hematopoietic stem cells transplantation chimerism assessment
Coralie Frassati[1], Pascal Pedini[1], Sandrine Fabre[2], Agnes Basire[2], Sophie Simon[2], Sebastian Aguilar Pierlé[3], Joseph Santucci[3], Camille Soucies[3], Amel Bendali[3], Arthur Sterin[4], Gerard Michel[4] and Christophe Picard[1].
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P125/ID 4098
Evaluation of the HISTO TYPE Rainbow kit from BAG DIAGNOSTICS at the HLA EFS laboratory in Marseille
Coralie Frassati[1], Jean-Baptiste Baudey[1], Lucas Buson[1], Lucas Hubert[1], Sophie Simon[1], Agnès Basire[1], Pascal Pedini[2] and Christophe Picard[1].
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P126/ID 5592
Open Science in human immunogenetics; challenges and pathways
Anne Cambon-Thomsen[1].
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P127/ID 9012
Identification of the novel HLA-DPB1*02:01:68 allele in a Greek individual
Diamanto Kouniaki[1], Katerina Tarassi[1], Vassiliki Kitsiou[1], Theofilos Athanassiades[1], Konstantinos Fotopoulos[1] and Alexandra Tsirogianni[1].
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P128/ID 6244
Identification and characterization of six novel HLA alleles by next generation sequencing in Spanish population during the last year
Amalia Tejeda Velarde[1], Francisco Javier Gil-Etayo[1], Jairo Eduardo Niño Ramírez[1], Antonio Balas[2], Alberto Torío[3], Ariadna Vicente Parra[1], Isabel Jiménez Hernaz[1], Pilar Terradillos Sánchez[1], Ana Balanzategui[1], Miguel Alcoceba[1] and Ramón García Sanz[1].
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P129/ID 5782
Identification of the novel HLA-A*01:426 allele in a Greek individual
Diamanto Kouniaki[1], Vasiliki Kitsiou[1], Theofilos Athanassiades[1], Katerina Tarassi[1], Konstantinos Fotopoulos[1] and Alexandra Tsirogianni[1].
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P130/ID 1622
Identification of the novel HLA-A*02:09:01:04 allele in a Greek individual
Diamanto Kouniaki[1], Theofilos Athanassiades[1], Katerina Tarassi[1], Vassiliki Kitsiou[1], Konstantinos Fotopoulos[1] and Alexandra Tsirogianni[1].
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