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TABLE OF CONTENTS

KEY-NOTE LECTURES

A HISTORY OF PALEOPATHOLOGICAL RESEARCH IN CROATIA WITH EMPHASIS ON RECENT INVESTIGATIONS DEALING WITH THE WAYS IN WHICH LOW INTENSITY, ENDEMIC WARFARE AFFECTS HEALTH -----1
Mario ŠLAUS

NEANDERTAL PALEOPATHOLOGY: A TENTATIVE SYNTHESIS -----1
Fred H. SMITH, Maria O. SMITH

MOLECULAR DETECTION OF ANCIENT PATHOGENS IN THE ERA OF BIG DATA -----1
Kirsten I. BOS

SYMPOSIA

The ecology of climate change and infectious diseases: A gateway between past and present -----2

DEBUNKING THE “HUMAN ECTOPARASITE HYPOTHESIS” -----2
Ole Jørgen BENEDICTOW, Raffaella BIANUCCI

DISEASE DYNAMICS IN THE HOLOCENE LEVANT AS REFLECTED FROM THE MIDDLE EAR -----2
Katarina FLOREANOVA, Hila MAY

MOLECULAR DETECTION OF DISEASES FROM THE EUROPEAN LITTLE ICE AGE IN MECHELEN, BELGIUM -----3
Karen L. GIFFIN, Katrien VAN DE VIJVER, Ron HÜBLER, Felix M. KEY, Susanna SABIN, Alexander HERBIG, Kirsten I. BOS

PARASITIC INFECTION IN A MARSHLAND CLIMATE: THE BRONZE AGE PILE DWELLING SETTLEMENT OF MUST FARM, UK (920-790 BC) -----3
Marissa L. LEDGER, Elisabeth GRIMSHAW, Madi FAIREY, Rachel BALLANTYNE, Mark KNIGHT, Piers D. MITCHELL

THE INFLUENCE OF CLIMATE ON TUBERCULOSIS EVOLUTION IN THE LATE PLEISTOCENE/EARLY HOLOCENE -----4
David MINNIKIN

PARASITES AND CLIMATE IN MEDIEVAL IBERIA: INTESTINAL PARASITES IN SIX ISLAMIC PERIOD CESSPITS FROM CÓRDOBA (SPAIN) AND MÉRTOLA (PORTUGAL) -----4
Piers D. MITCHELL, Delaney KNORR, William SMITH, Marissa L. LEDGER, Leonor PEÑA-CHOCARRO, Jordà PÉREZ-GUILLEM, Rafael CLAPÉS, Maria de Fátima PALMA

DROUGHT, POLITICAL DECLINE, AND TUBERCULOSIS IN HUARI, PERU -----5
Elizabeth A. NELSON, Aditya Kumar LANKAPALLI, Maria SPYROU, Åshild J. VÅGENE, Alexander HERBIG, Tiffany A. TUNG, Kirsten I. BOS

ANCIENT MYCOBACTERIUM LEPRAE GENOMES REVEAL AN UNEXPECTED DIVERSITY OF LEPROSY IN MEDIEVAL EUROPE -----5
Verena SCHUENEMANN, Charlotte AVANZI, Ben KRAUSE-KYORA, Alexander SEITZ, Alexander HERBIG, Sarah INSKIP, Michael TAYLOR, Pushendra SINGH, Jesper BOLDSSEN, Helen D. DONOGHUE, Sonia Ruth ZAKRZEWSKI, Andrej BENJAK, Kay NIESELT, Stewart COLE, Johannes KRAUSE

SOCIO-ENVIRONMENTAL CHANGES AND MALARIA INFECTION IN KOREA BEFORE 20TH CENTURY -----6
Dong Hoon SHIN, Min SEO, Jong Ha HONG, Eunju LEE

Anthropology of violence - Soldiers, warriors and everyday life -----6

NEW INSIGHTS FROM TRAUMA ANALYSIS OF SKELETAL REMAINS FROM THE BENEDICTINE MONASTERY IN BIJELA, CROATIA -----6
Željka BEDIĆ, Andrej JANEŠ, Mario ŠLAUS

THE COUNT GUECELLO II OF PRATA, A FREDERICK II HOHENSTAUFEN'S LIEUTENANT. PALEOPATHOLOGICAL FINDINGS IN A MEDIEVAL KNIGHT -----6
Ester BRUNETTI, Marialuisa CECERE, Dario INNOCENTI, Paola IACUMIN, Fabio CAVALLI

ANTHROPOLOGY OF VIOLENCE: AN INTERDISCIPLINARY FRAMEWORK -----7
Fabio CAVALLI

"TO DIE BUT DO NOT FALL BACK". ANTHROPOLOGICAL STUDY OF SKELETAL REMAINS OF THE FIRST WORLD WAR SOLDIERS -----7
Lisa DE LUCA, Dario INNOCENTI, Marialuisa CECERE, Tomaž FABEC, Fabio CAVALLI

GOING BALLISTIC: IDENTIFYING SLING SHOT INJURIES IN PREHISTORIC EUROPE -----8
Linda FIBIGER

CRANIAL TRAUMA FROM MONGOLIA: CONFLICT, CRIME AND/OR PUNISHMENT -----8
Judith Helen LITTLETON, Bruno FROHLICH, Tsend AMGALANTUGS, Paul MORROW

THE "TERRITORIAL IMPERATIVE": THE ORIGIN OF WARFARE IN THE SOUTHERN LEVANT -----8
Hila MAY, Omry BARZILAI

A NEW COLLECTIVE VIOLENCE SITE FROM EARLY NEOLITHIC CENTRAL EUROPE: THE MASS GRAVE OF HALBERSTADT AND ITS CONTEXTUAL INTERPRETATION -----9
Christian MEYER, Corina KNIPPER, Nicole NICKLISCH, Angelina MÜNSTER, Olaf KÜRBIS, Veit DRESELY, Harald MELLER, Kurt W. ALT

HEAD WOUNDS BY FIREARM AND SHARP WEAPON AT THE S. MARTINO BATTLE (1859, ITALY) -----9
Simona MINOZZI, Valentina GHIROLDI, Gino FORNACIARI

CARE AND CONSEQUENCES OF TRAUMATIC BRAIN INJURY IN NEOLITHIC SWEDEN -----10
Anna TORNBERG, Lars JACOBSSON

EVIDENCE FOR INTER-PERSONAL CONFLICT IN EARLY MEDIEVAL SÄBEN-SABIONA, ITALY -----10
Daniela TUMLER, Alice PALADIN, Albert ZINK

Source combination in paleopathology. Paleopathography at the frontier between history and medicine -----11

COMBINING PALEOPATHOGRAPHY AND PALEOPATHOLOGY: THE EXAMPLE OF THE MEDICI, GRAND DUKES OF FLORENCE -----11
Valentina GIUFFRA, Gino FORNACIARI

INCORPORATING MEDICAL RECORDS IN PALEOPATHOLOGY: INVESTIGATING RESPIRATORY DISEASE IN POST-MEDIEVAL LONDON -----11
Cara Stella HIRST

WHEN AND HOW WERE HELMINTHS ERADICATED IN ENGLAND? -----12
Hannah RYAN, Patrik FLAMMER, Adrian SMITH, Greger LARSON

THE SECRET BEHIND NATURAL SOPRANOS: PALEOPATHOLOGY OF THE CASTRATO GASPARE PACCHIEROTTI -----12
Alberto ZANATTA

REGULAR CONFERENCE PROGRAM

A CASE OF TUBERCULOSIS OF THE HIP JOINT IN AN ADOLESCENT OF A MODERN (19TH - 20TH C.) ITALIAN IDENTIFIED SKELETAL COLLECTION -----13
Simona AFFINITO, Valentina MARIOTTI, Maria Giovanna BELCASTRO

NEW INSIGHTS OF LEPROSY FROM SOUTH-EASTERN FRANCE -----13
Yann ARDAGNA, Avril MEFFRAY, Eloïse HOURIEZ, Anne RICHIER, Philippe BIAGINI

CRIBRA FEMORALIS: ISSUES SURROUNDING AETIOLOGY AND STANDARDISED RECORDING -----14
Jennifer AUSTEN, Mary E. LEWIS

CAN FEMORAL BONE SHAPE BE TRUSTED AS AN INDICATOR FOR LIFESTYLE? -----14
Hadas Leah AVNI, Victoria ROUL, Ruth PELLEG-KALLEVAG, Frank RÜHLI, Hila MAY

GRANULOMA AND TERATOMA IN A PROBABLE POTTER FROM ANCIENT NUBIA -----15
Brenda J. BAKER

INFLECTED TRAUMA AMONG THE PICENI POPULATION FROM IRON AGE NECROPOLIS OF NOVILARA (ITALY – PESARO, 8TH-7TH C. BC) -----	15
Michael Allen BECK DE LOTTO, Zita LAFFRANCHI, Chiara DELPINO	
HUMAN SKELETAL REMAINS FOR SALE: A REASSESSMENT OF ETHICAL PRACTICES IN THE UNITED STATES -----	16
Bobbie Maxine BENAVIDEZ, Sarah Ashlyn LACY	
RESULTS OF THE ITALIAN ARCHAEOLOGICAL AND ANTHROPOLOGICAL RESEARCHES IN SUDAN AT JEBEL BARKAL (2016-2017) -----	16
Francesca BERTOLDI, Francesca IANNARILLI, Federica PANCIN, Martino GOTTARDO, Emanuele CIAMPINI, Mohamed ELTOUM	
HEALTH STATUS OF A LATE ANTIQUITY HUMAN POPULATION FROM PIAZZA CORRUBBIO-VERONA, ITALY -----	17
Francesca BERTOLDI, Valentina GIACOMETTI, Roberto CAMERIERE, Francesco PAGLIARA, Daniela COTTICA	
THE MIDDLE AGE BURIALS OF DOGALETTO DI MIRA (VE): CASES OF CONTEMPORARY DEATHS OF WOMEN AND CHILDREN -----	17
Francesca BERTOLDI, Piera Allegra RASIA	
A HISTOLOGICAL APPROACH TO THE IDENTIFICATION OF CALCIFIED SOFT TISSUE MATERIAL IN SKELETAL REMAINS, PROCEDURES DISTINGUISHING ATHEROSCLEROTIC PLAQUES AND OSSIFYING COSTAL CARTILAGE -----	18
Lucie BIEHLER-GOMEZ, Emanuela MADERNA, Cristina CATTANEO	
THE CAL MILANO CEMETERY SKELETAL COLLECTION: A MODERN AND DOCUMENTED ITALIAN IDENTIFIED SKELETAL COLLECTION -----	18
Lucie BIEHLER-GOMEZ, Mirko MATTIA, Debora MAZZARELLI, Cristina CATTANEO	
NON-ADULTS BURIALS FROM A BYZANTINE PERIOD CEMETERY IN TROGIR, CROATIA ---	19
Michaela BINDER, Paul KLOSTERMANN, Lujana PARAMAN, Marina UGARKOVIĆ, Martin STESKAL	
SPINAL LIGAMENOUS OSSIFICATIONS IN A YOUNG ADULT OF 13TH CENTURY FROM THE MEDIEVAL SITE OF ALGHERO LO QUARTER (SASSARI, SARDINIA, ITALY) -----	19
Anna BINI, Pasquale BANDIERA, Marco MILANESE	
IN SILICO SCREENING METHODS IN DETECTION OF ANCIENT TUBERCULOSIS (aTB) -----	19
Paulina BORÓWKA, Łukasz PUŁASKI, Błażej MARCINIĄK, Beata BOROWSKA-STRUGIŃSKA, Elżbieta ŻĄDZIŃSKA, Jarosław DZIADEK, Wiesław LORKIEWICZ, Dominik STRAPAGIEL	
<i>HYPEROSTOSIS FRONTALIS INTERNA</i> IN THE BRITISH ROYAL NAVY (1750-1815) -----	20
Ceridwen BOSTON	
AGE ESTIMATION FROM BONE MINERAL DENSITY: THE INFLUENCE OF OSTEOPOROSIS ON ESTIMATES -----	21
Deona BOTHA, Niels LYNNERUP, Maryna STEYN	

NEW INSIGHTS ON NUTRITIONAL DEFICIENCIES AT THE <i>CIVITAS</i> CAPITAL OF <i>AVENTICUM</i> IN ROMAN SWITZERLAND (1ST-3RD C. AD) -----	21
Chryssa BOURBOU	
OSTEOLYTIC METAPHYSEAL LESIONS AND A CALCIFIED CYST IN A PRE-FARMING (6700-6200 BP) SKELETAL ASSEMBLAGE FROM NORTHERN VIETNAM: POSSIBLE HYDATIDS DISEASE -----	22
Hallie Ruth BUCKLEY, Monica TROMP, Marc OXENHAM, Hiep Hoang TRINH, Kate DOMETT, Anna WILLIS	
THE FRUIT OF THE LOOM. PALEOPATHOLOGICAL RESULTS ABOUT ACTIVITIES RELATED TO SPINNING AND WEAVING IN ROMAN TIME -----	22
Allesandro CANCI, Anita RADINI, Cecilia ROSSI	
THREE BRONZE AGE TREPANATIONS FROM CROATIA -----	23
Mario CARIĆ, Dinko TRESIĆ PAVIČIĆ, Ilija MIKIĆ, Ivor JANKOVIĆ, Mislav ČAVKA, Mario NOVAK	
INTRABONE STABLE ISOTOPE VARIATION IN SKELETONS WITH PATHOLOGICAL LESIONS -----	23
Ana CURTO, Patrick MAHONEY, Anne-France MAURER, Cristina BARROCAS-DIAS, Teresa FERNANDES, Geraldine FAHY	
SKELETAL DEVELOPMENTAL ANOMALIES ACROSS THE GENEALOGICALLY DOCUMENTED SAMPLE (BOHEMIA, 19TH TO 20TH CENTURIES) -----	23
Jan CVRČEK, Vítězslav KUŽELKA, Ondřej NAŇKA, Sylva KAUPOVÁ, Jaroslav BRŮŽEK, Petr VELEMÍNSKÝ	
MICROBIOLOGICAL ANALYSIS OF A CHILD MUMMY FROM ZAGREB CATHEDRAL -----	24
Mislav ČAVKA, Andrea JANEŠ, Katarina DUJMOVIĆ, Jasenka ŠKRLIN	
PALEORADIOLOGICAL ANALYSIS OF A CHILD MUMMY FROM ZAGREB CATHEDRAL -----	24
Mislav ČAVKA, Mladen TOMORAD, Ivana ŠTIMAC, Ivor JANKOVIĆ, Mario NOVAK, Frank RÜHLI, Patrick EPPENBERGER	
INSIGHTS FROM MOLECULAR EVIDENCE OF <i>MYCOBACTERIUM LEPRAE</i> FROM 15TH CENTURY NORMANDY, FRANCE -----	25
Helen D. DONOGHUE, Lauren OVEREND, Mark SPIGELMAN, Joël BLONDIAUX, Cecile Chapelain DE SERÉVILLE-NIEL	
DENTAL DISEASE IN ABORIGINAL SOCIETIES FROM THE DULCE RIVER BASIN IN NORTHWESTERN ARGENTINA -----	25
Hilton DRUBE, Susana MARTÍNEZ, Elina SILVERA, Guillermo LAMENZA	
THE CASE OF HIP DYSPLASIA OF THE ADULT FROM THE LATE ANTIQUITY SITE OF VELEBIT (SERBIA) -----	26
Ksenija ĐUKIĆ, Tamara PAVLOVIĆ, Petar MILENKOVIĆ, Đurđa BRACANOVIĆ, Marija ĐURIĆ	

EVIDENCE OF VIOLENCE IN BURNED HUMAN REMAINS OF THE 3RD CENTURY AD FOUND IN THE ROMAN VILLA OF ELS MUNTS (TARRAGONA, SPAIN) -----	26
Andrea FERNÁNDEZ-VILELA, Josep Anton REMOLÀ, Maria Eulàlia SUBIRÀ	
THE SYPHILIS OF MARIA SALVIATI (1499-1543), WIFE OF GIOVANNI DE' MEDICI NAMED "OF THE BLACK BANDS" -----	27
Antonio FORNACIARI, Raffaele GAETA, Simona MINOZZI, Luca VENTURA, Angelica VITIELLO, Gino FORNACIARI, Valentina GIUFFRA	
THE FEMORAL SHAFT: WHAT DO WE DO WITH ALL THOSE CYLINDERS? -----	27
Samuel FRANCIS, Ruth PELLEGG-KALLEVAG, Hadas Leah AVNI, Victoria ROUL, Hila MAY	
THE FIRST COMPLETE DESCRIPTION OF ACROMEGALY IN BOLOGNA IN 1809: A JOURNEY THROUGH PALAEOENDOCRINOLOGY -----	28
Francesco Maria GALASSI, Emanuele ARMOCIDA, Mirko TRAVERSARI, Luisa LEONARDI, Christian MANCINI, Nicolò Nicoli ALDINI, Roberta BALLESTRIERO, Maciej HENNEBERG, Frank RÜHLL, Alessandro RUGGERI	
SEARCHING FOR MALARIA IN THE ARCHAEOLOGICAL RECORD: BIOMOLECULAR APPROACHES AND ISSUES OF PRESERVATION -----	28
Michelle GAMBLE, Alvie LOUFOUMA-MBOUAKA, Frank MAIXNER, Albert ZINK, Michaela BINDER	
PREVALENCE OF LARGE-JOINT AND EXTREMITIES OSTEOARTHRITIS IN A MEDIEVAL (13TH-16TH) URBAN POPULATION FROM LEIRIA (PORTUGAL) -----	29
Susana J. GARCIA	
OSTEOLOGICAL EVIDENCE OF DISPROPORTIONATE GROWTH ON A JUVENILE INDIVIDUAL FROM THE 13TH CENTURY AD (LEIRIA, PORTUGAL) -----	29
Susana J. GARCIA, Ana Luisa SANTOS	
TREPANATION IN ITALY: A REVIEW OF THE LITERATURE AND A NEW CASE -----	30
Valentina GIUFFRA, Giulia RICCOMI, Gino FORNACIARI	
THE BATTLE OF WAGRAM 1809 - PALAEOPATHOLOGICAL EVIDENCE OF LIFE AND DEATH DURING THE NAPOLEONIC WARS -----	30
Hannah GRABMAYER, Michaela BINDER	
CRANIOFACIAL DYSPLASTIC BONE DISEASE IN PALEOPATHOLOGICAL INVESTIGATIONS -----	31
Julia GRESKY	
OSTEOPETROSIS AND ACCOMPANIED SKELETAL CHANGES IN A SKELETON FROM ALBANIA -----	31
Julia GRESKY, Emmanuele PETITI	
EVIDENCE FOR ADAPTATION TO MALARIA IN A 2.58-MILLION-YEAR-OLD PROXIMAL AUSTRALOPITHECUS AFRICANUS FEMUR FROM MAKAPANSGAT, SOUTH AFRICA -----	31
Martin HAEUSLER, Sabine LANDIS, Bernhard ZIPFEL, Viktoria A. KRENN, Cinzia FORNAI	

POSSIBLE CASE OF LEPROSY AND TUBERCULOSIS CO-INFECTION FROM THE SARMATIAN PERIOD (2ND-5TH CENTURY AD) -----	32
Tamás HAJDU, Antónia MARCSIK, Lucia HLAVENTKOVÁ, Ivett KŐVÁRI, Kinga KARLINGER, Zsuzsanna MÉSZÁROS KIS, Enikő SZVÁK, Antal SKLÁNITZ, Lénárd SZABÓ, Olivia CHERONET, Kendra SIRAK, Tamás SZENICZEY, Tadeusz KRASSOWSKI, Ron PINHASI	
DISH AND DIET: STABLE LIGHT ISOTOPIC ANALYSIS ACROSS THREE SOUTH AFRICAN SKELETAL POPULATIONS -----	32
Rachel L.V. HOLGATE, Gabrielle C. KRUGER, Charlotte E.G. THEYE, Ericka N. L'ABBE, Maryna STEYN	
A BIOARCHAEOLOGICAL ANALYSIS OF THE ISLAMIC CEMETERY OF EL QUEZ, ALBERITE DE SAN JUAN, ZARAGOZA, SPAIN -----	33
Tina JAKOB, Joe Wallace WALSER III	
PALEOPATHOLOGICAL PIECES: EVALUATING HEALTH FROM COMMINGLED BYZANTINE MONASTIC SKELETAL REMAINS AT MOUNT NEBO, JORDAN -----	33
Margaret JUDD	
ČERINA-JOSIPOVAC CEMETERY - BIOARCHAEOLOGICAL ANALYSIS OF NEWLY FOUND CEMETERY NEXT TO OSIJEK, EASTERN CROATIA -----	34
Marijana JUKIĆ	
I DON'T GET THIS HOLE-THING - AN ATTEMPT OF STATISTICAL ANALYSIS TO DECIPHER THE INDICATION OF SURGICAL TREPANATIONS -----	34
Kitty KIRÁLY, Gréta ELEKES, Mátyás BUKVA, Zoltán PINTÉR, Erika MOLNÁR, György PÁLFI, Zsolt BERCZKI	
A POSSIBLE CASE OF METASTATIC CANCER FROM KEHIDA-FÖVENYES (7TH-8TH CENTURY A.D.) -----	35
Krisztián KISS, Tamás SZENICZEY, Kinga KARLINGER, Zsuzsanna MÉSZÁROS KIS, Enikő SZVÁK, Erika MOLNÁR, Antónia MARCSIK, Antal SKLÁNITZ, Lénárd SZABÓ, Zsolt DALLOS, Viktória KOVÁCS KIS, Krisztina BUCZKÓ, Tamás HAJDU	
PREVALENCE OF HYPERCEMENTOSIS IN MIDDLE AND UPPER PALEOLITHIC HUMANS ---	35
Sarah Ashlyn LACY	
SMALL BUT HEALTHY? A CASE STUDY FROM PREHISTORIC COASTAL BRAZIL -----	36
Luis Pezo LANFRANCO, Sabine EGGERS	
A POSSIBLE CASE OF PITUITARY DWARFISM FROM THEBES, EGYPT -----	36
Orsolya LÁSZLÓ	
"LONG-GONE CHILDREN" - COMPARATIVE PALEOPATHOLOGICAL ANALYSIS OF NON-ADULT HUMAN REMAINS FROM AVAR (7TH-8TH C.) AND MEDIEVAL HUNGARIAN (12TH-14TH C.) CEMETERIES -----	37
Orsolya LÁSZLÓ, Tamás SZENICZEY	

VITAMIN D DEFICIENCY AND THE ANTIQUITY OF MODERN TRENDS: SKELETAL EVIDENCE FROM THE ROMAN PERIOD SITE OF ISOLA SACRA -----	37
Laura LOCKAU, Stephanie ATKINSON, Simon MAYS, Tracy PROWSE, Michelle GEORGE, Luca BONDIOLI, Carolan WOOD, Marissa L. LEDGER, Megan BRICKLEY	
HEALTH-RELATED STRESS AT AN EARLY URBAN CENTRE: TIMING AND FREQUENCY OF ACCENTUATED LINES IN HUMAN DENTAL ENAMEL IN 3RD MILLENNIUM BCE LARGE TRADING AND CRAFTS CENTRE IN SE IRAN -----	38
Kirsi O. LORENTZ, Simone LEMMERS, Wendy DIRKS, Donald REID, Patrick MAHONEY, Farzad FORUZANFAR, Mansoor SAJJADI	
NEW BIOARCHAEOLOGICAL AND PALEOPATHOLOGICAL FINDINGS ABOUT THE MUMMIFIED SUBADULT FROM GRUTA DEL INDIO SITE (SAN RAFAEL, MENDOZA, ARGENTINA) -----	38
Leandro Hernán LUNA, Claudia Marcela ARANDA, Pablo RODRÍGUEZ, Luis BALLARINI	
KNEE ANKYLOSIS IN A FEMALE FROM THE LISBON SKELETAL COLLECTION -----	39
Giovanni MAGNO, Susana J. GARCIA	
GASTROINTESTINAL PARASITE MARKERS AS EVIDENCE FOR WASTE MANAGEMENT -----	39
Céline MAICHER, Antoni PALOMO, Christian HARB, Matthieu LE BAILLY	
LEPROSY AND PULMONARY TUBERCULOSIS IN MEDIEVAL/MODERN ODENSE, DENMARK: PALAEOPATHOLOGICAL ANALYSIS OF RIB LESIONS AND INFERENCES FOR THE CROSS-IMMUNITY AND CO-INFECTION HYPOTHESES -----	39
Vitor MATOS, Carina MARQUES, Daniela PACHECO, Ana Luisa SANTOS	
CAL: AN OSTEOLOGICAL TIMELINE FROM THE ROMAN AGE TO CONTEMPORARY TIMES -----	40
Mirko MATTIA, Daniel GAUDIO, Barbara BERTOGLIO, Debora MAZZARELLI, Emanuela SGUAZZA, Lucie BIEHLER-GOMEZ, Pasquale POPPA, Anna Maria FEDELI, Cristina CATTANEO	
RECOVERY OF SKELETAL REMAINS FROM ARCHAEOLOGICAL BURIAL SITE: WHAT IS THE RATE OF MISSING BONES? -----	40
Mirko MATTIA, Emanuela MADERNA, Debora MAZZARELLI, Emanuela SGUAZZA, Cristina CATTANEO	
FOOD PRESERVATION AND HUMAN HEALTH: THE CASE OF THE YOUNG EGYPTIAN PRIEST “IRET-HOR-R-U” -----	41
Hila MAY	
LONGER LEGS, FEWER LEH, BUT SHORTER ADULT LIVES: A SIGNATURE OF IMMUNOLOGICALLY NAIVE MIGRANTS IN LONDON DURING THE INDUSTRIAL REVOLUTION? -----	41
Gina Patricia MCFARLANE	
HISTOPATHOLOGY OF THE GREAT HUNGER: INCORPORATING HISTOLOGICAL METHODS TO EXAMINE THE HUMAN BIOLOGICAL RESPONSE TO FAMINE AND POVERTY IN MID-19TH CENTURY IRELAND -----	42
Lauren A. MECKEL, Jonny GEBER, Hallie Ruth BUCKLEY	

ABOUT A NEW CASE OF LEPROSY FROM AMIENS CITY (FRANCE), 10TH-11TH CENTURY: PALEOPATHOLOGICAL AND PALEOMICROBIOLOGICAL APPROACHES -----42
Avril MEFFRAY, Eloïse HOURIEZ, Yann ARDAGNA, Carole FOSSURIER, Annick THUET, Philippe BIAGINI

SURVIVAL OF A ONE-ARM WARRIOR IN PRE-ANTIBIOTIC ERA: A CASE STUDY FROM AN ITALIAN LONGOBARD NECROPOLIS (6TH-8TH CENTURIES AD) -----43
Ileana MICARELLI, Robert R. PAINE, Caterina GIOSTRA, Mary Anne TAFURI, Antonio PROFICO, Marco BOGGIONI, Fabio DI VINCENZO, Andrea PAPINI, Danilo MASSANI, Giorgio MANZI

ANALYSIS OF THE SKELETONS FROM THE MUSLIM CEMETERY OF SONGO MNARA (TANZANIA). INTEGRATING OSTEOLOGICAL DATA WITH THE STUDY OF MALARIA aDNA -----43
Francesca Bianca Maria MIGLIACCIO, Katharine ROBSON-BROWN, Jeffrey FLEISCHER, Stephanie WYNNE-JONES

OSTEOMYELITIS IN A MEDIEVAL BURIAL FROM SMEDEREVO FORTRESS, SERBIA -----44
Nataša MILADINOVIĆ-RADMILOVIĆ, Vesna BIKIĆ, Ksenija ĐUKIĆ, Petar MILENKOVIĆ, Dragana VULOVIĆ

ENAMEL HYPOPLASIA AND HEALTH CONDITION THROUGH SOCIAL STATUS IN THE ROMAN IMPERIAL AGE -----44
Simona MINOZZI, Walter Benedetto PANTANO, Carla CALDARINI, Valentina GIUFFRA, Paola CATALANO

METASTATIC PROSTATE CARCINOMA FROM IMPERIAL ROME (1ST-2ND CENTURY A.D.) -----45
Simona MINOZZI, Agata LUNARDINI, Carla CALDARINI, Davide CAMELLA, Gino FORNACIARI, Paola CATALANO, Valentina GIUFFRA

A CASE OF SYSTEMATIC UNILATERAL DEGENERATIVE JOINT DISEASE (UDJD) IN 14TH-17TH CENTURY TRANSYLVANIA, AND ITS IMPLICATIONS FOR THE EFFECT OF MINING ON POPULATION HEALTH -----45
Priscilla MOLLARD

DIAPHYSOMETAPHYSEAL PATHOLOGICAL DEFORMATIONS AND EXTRACORTICAL POROSITY IN INFANTS FROM THE DISCALCED TRINITARIAN CONVENT, MADRID -----46
Álvaro Manuel MONGE CALLEJA, Berta MARTÍNEZ, Luis RÍOS, María Paz DE MIGUEL, Francisco ETXEBARRIA, Almudena GARCÍA-RUBIO, Ana Luisa SANTOS

FIRST RESULTS ON THE STABLE ISOTOPIC ANALYSIS OF THE INDIVIDUALS UNEARTHED NEAR THE LEPROSARIUM OF BARCELONA, SPAIN (12TH-14TH CENTURIES) -----46
Núria MONTES, Clara JÁUREGUI, Maria Eulàlia SUBIRÀ

FOUR SIMULTANEOUS SHARP FORCE INJURIES WITH SIGNS OF HEALING IN A SKULL FROM THE MIDDLE BRONZE AGE SITE OF AL-ADDEISEH, PALESTINE -----47
Lucia MUÑOZ UGARTE, Nataša ŠARKIĆ, Miriam SAQQA CARAZO

THE MASS GRAVE IN THE SCHOTTENSTIFT, VIENNA, AUSTRIA – PALAEOPATHOLOGICAL PERSPECTIVES ON A MEDIEVAL MYSTERY -----	47
Christina MUSALEK, Michaela BINDER, Karin WILTSCHKE-SCHROTTA, Elfriede Hannelore HUBER	
DENTAL HEALTH AND DIET OF THE IRON AGE NORTH PONTIC PASTORALISTS -----	47
Irina NECHAYEV, Svetlana ANDRUKH, Robert JURMAIN	
AN UNUSUAL BI-RITUAL BURIAL OF THE URNFIELD CULTURE IN LOWER AUSTRIA -----	48
Friederike NOVOTNY, Ute Michaela SPANNAGL-STEINER, Alexandra C.J. VON MILLER	
VITAMIN DEFICIENCY IN EARLY MEDIEVAL SUB-ADULTS: INDICATIONS FOR METABOLIC DISORDERS IN THE EASTERN ITALIAN ALPS -----	48
Alice PALADIN, Daniela TUMLER, Albert ZINK	
PROBABLE SYPHILIS-TUBERCULOSIS COINFECTION IN PARTIALLY MUMMIFIED HUMAN REMAINS - PALEOPATHOLOGICAL STUDY OF AN 18TH CENTURY MIDWIFE'S MUMMY -----	49
György PÁLFI, Ildikó SZIKOSSY, Orsolya VÁRADI, András SZEKERES, Kinga KARLINGER, Mark SPIGELMAN, Helen D. DONOGHUE, Frank MAIXNER, Albert ZINK, Olivier DUTOUR, Erika MOLNÁR, Ildikó PAP	
EXTRACTING OBSTETRICAL HISTORIES FROM PELVIC FEATURES -----	49
Doris PANY-KUCERA, Ute Michaela SPANNAGL-STEINER, Katharina REBAY-SALISBURY	
A TUMOUR SUPPRESSOR GENE VARIANT PREDISPOSING TO COLORECTAL CANCER FOUND IN A MUMMY FROM THE PRE-INDUSTRIALIZED ERA OF HUNGARY -----	50
Ildikó PAP, Israel HERSHKOVITZ, Ella H. SKLAN, Gila Kahila BAR-GAL, Ildikó SZIKOSSY, Rina ROSIN-ARBESFELD, Michal FELDMAN	
THE TIME BEFORE LORDOSIS: WHAT IMMATURE VERTEBRA CAN TELL US ABOUT CHILDREN IN HISTORICAL TIMES? -----	50
Ruth PELLEGG-KALLEVAG, Hadas Leah AVNI, Samuel FRANCIS, Hila MAY	
STRESS MARKERS IN TEETH - SIGNALS OF PREHISTORIC LIFESTYLES? -----	51
Kristina PENEZIĆ, Marko PORČIĆ, Jelena JOVANOVIĆ, Petra Kathrin URBAN, Ursula WITTEW- BACKOFEN, Sofija STEFANOVIĆ	
CONE-BEAM COMPUTED TOMOGRAPHY IN PALEODONTOLOGY AND BIOARCHAEOLOGY -----	51
Bojan PETROVIĆ, Kristina PENEZIĆ, Marko PORČIĆ, Jugoslav PENDIĆ, Sanja KOJIĆ, Jelena JOVANOVIĆ, Sofija STEFANOVIĆ	
RECONSTRUCTION OF NEW ANCIENT <i>MYCOBACTERIUM LEPRAE</i> GENOMES FROM EUROPE -----	51
Saskia PFRENGLE, Judith NEUKAMM, Sarah INSKIP, Rezeda TUKHATOVA, Nataliya BEREZINA, Alexandra BUZHILOVA, Stian SUPPERSBERGER HAMRE, Vitor MATOS, Maria Teresa FERREIRA, Ella REITER, Johannes KRAUSE, Verena SCHUENEMANN	

PALEOPATHOLOGICAL INVESTIGATION OF HUMAN MUMMIES FROM GANGI, SICILY -----	52
Dario PIOMBINO-MASCALI, Mark VINER, Gerald CONLOGUE, Ronald BECKETT	
CONTINUITY OR DISCONTINUITY OF THE LIFE-STYLE IN CENTRAL EUROPE DURING THE LATE ANTIQUITY AND EARLY MIDDLE AGES TRANSITION: HEALTH, DIET, AND BIOLOGICAL ADAPTATION -----	52
Janusz Andrzej PIONTEK	
“BRING OUT YOUR DEAD!”: DIFFERENTIAL STRATEGIES FOR DEALING WITH THE DEAD AT MEDIEVAL THORNTON ABBEY -----	53
Caterina RAFFONE, Katie HEMER, Hugh WILLMOTT	
HYDROCEPHALUS IN A CHILD FROM NUŠTAR -----	53
Petra RAJIĆ ŠIKANJIĆ, Dejana NIKITVIĆ, Anita RAPAN PAPEŠA	
POSTMORTEM MEDICAL PROCEDURES IN INDIVIDUALS FROM A PORTUGUESE IDENTIFIED SKULL COLLECTION (1895-1902 AD): FIRST EVIDENCE OF POSSIBLE TEACHING OF MODERN DACRYOCYSTORHINOSTOMY -----	53
Rosa RAMOS GASPAR, Ana Luisa SANTOS, Inês LEANDRO, Inês OLIVEIRA-SANTOS, Bruno Miguel MAGALHÃES	
ANCIENT PARASITES IN THE MEDITERRANEAN BASIN: REVIEW AND NEW DATA -----	54
Kévin ROCHE, Matthieu LE BAILLY, Isabelle JOUFFROY-BAPICOT, Olivier DUTOUR, Alain BOUET	
PHYSICAL BURDEN AND LOWER LIMB BONE STRUCTURE FROM THE TERMINAL PLEISTOCENE TO HOLOCENE, LEVANT -----	54
Victoria ROUL, Hadas Leah AVNI, Samuel FRANCIS, Hila MAY	
GROWING UP BETWEEN WARS AND EPIDEMICS: TEETH ALTERATIONS IN AN INDIVIDUAL FROM THE S. FRANCISCO CONVENT OF COIMBRA (19TH CENTURY, PORTUGAL) -----	55
Ana Isabel RUFINO, Maria Teresa FERREIRA, Sofia WASTERLAIN	
SLAVES' DIET: DENTAL CRIES AND WEAR IN A SAMPLE OF AFRICAN INDIVIDUALS FROM VALLE DA GAFARIA (15TH - 17TH CENTURIES, LAGOS - PORTUGAL) -----	55
Ana Isabel RUFINO, Maria Teresa FERREIRA, Sofia WASTERLAIN	
A LUNG NODULE AS A RICH SOURCE OF HOST AND PATHOGEN DNA: ANALYSIS OF A 17TH CENTURY <i>MYCOBACTERIUM TUBERCULOSIS</i> GENOME FROM LUND, SWEDEN -----	56
Susanna Jacey SABIN, Alexander HERBIG, Åshild J. VÅGENE, Torbjörn AHLSTRÖM, Gracijela BOZOVIC, Elizabeth A. NELSON, Caroline ARCINI, Kirsten I. BOS	
BIOMECHANIC OF FOOT WITH BIPARTITE MEDIAL CUNEIFORM IN MEDITERRANEAN SERIES -----	56
Eduardo SALDIAS, Assumpció MALGOSA, Albert ISIDRO	
INVESTIGATING HEALTH AND DIETARY PATTERNS BETWEEN INLAND AND COASTAL 17TH AND 18TH CENTURY POPULATIONS FROM FINLAND -----	57
Kati Hannele SALO, Dimitra Ermioni MICHAEL, Elissavet DOTSIKA	

SINES ON THE ROUTE BETWEEN AFRICA AND THE AMERICAS: SKELETAL AND DOCUMENTAL EVIDENCE -----	57
Ana Luisa SANTOS, Sónia SOARES, Sónia FERRO, Paula ALVES PEREIRA	
MEDIAEVAL AND CONTEMPORARY CERVICAL SPINE - PALEOPATHOLOGICAL AND CLINICAL RESEARCH -----	58
Snježana SCHUSTER, Mario ŠLAUS, Matej MUSTAPIĆ	
RECONSIDERING PALEOEPIDEMIOLOGICAL INVESTIGATIONS IN PALEO-ONCOLOGY, WITH REFERENCE TO MEDIEVAL POLAND -----	58
Thomas SIEK	
THE CHALLENGES OF BIOMOLECULAR PALEOPATHOLOGY -----	59
Václav SMRČKA	
RARE MANIFESTATIONS OF SPINAL TUBERCULOSIS IN THE ROBERT J. TERRY ANATOMICAL SKELETAL COLLECTION (NATIONAL MUSEUM OF NATURAL HISTORY, SMITHSONIAN INSTITUTION, WASHINGTON, DC, USA) -----	59
Olga SPEKKER, David R. HUNT, Orsolya A. VÁRADI, William BERTHON, György PÁLFI, Erika MOLNÁR	
A ONE-EYED SOLDIER FROM EL-DETTI, SUDAN? -----	60
Magdalena T. SRIENC	
NEW POSSIBLE CASE OF SPINAL TUBERCULOSIS IN AN OSTEOARCHEOLOGICAL SAMPLE FROM 6TH-7TH CENTURIES (AVAR AGE) IN HUNGARY (TRANSDANUBIA, KÖLKED FEKETEKAPU „A”) -----	60
Tamás SZENICZEY, Kinga KARLINGER, Zsuzsanna MÉSZÁROS KIS, Enikő SZVÁK, Antal SKLÁNITZ, Lénárd SZABÓ, Krisztián KISS, István RÁCZ, Tamás HAJDU, Antónia MARCSIK	
<i>HYPEROSTOSIS FRONTALIS INTERNA</i> IN ANCIENT POPULATIONS - A POSSIBLE NEW WAY TO THE LIFE-STYLE RECONSTRUCTION -----	61
Tamás SZENICZEY, Antónia MARCSIK, Zsófia ÁCS, Timea BALASSA, Zsolt BERNERT, Katalin BAKÓ, Tamás CZUPPON, Anna ENDRŐDI, Sándor ÉVINGER, Zoltán FARKAS, Lucia HLAVENKOVÁ, Krisztina HOPPÁL, Csaba Kálmán KISS, Krisztián KISS, Kinga KOCSIS, Loránd Olivér KOVÁCS, Péter F. KOVÁCS, Kitti KÖHLER, László KÖLTŐ, Ivett KŐVÁRI, Orsolya LÁSZLÓ, Gabriella LOVÁSZ, Júlia LOVRANITS, József LUKÁCS, Zsófia MASEK, Mónika MERCZI, Erika MOLNÁR, Csilla Emese NÉMETH, János ÓDOR, László PAJA, Ildikó PAP, Róbert PATAY, István RÁCZ, Zsófia RÁCZ, Ágnes RITOÓK, Gergely SZENTHE, Gábor SZILAS, Béla Miklós SZŐKE, Zoltán TÓTH, Tivadar VIDA, Katalin WOLFF, Michael FINNEGAN, Tamás HAJDU	
TRACES OF GOUT IN THE MUMMY OF AN 18TH CENTURY TB INFECTED WOMAN, VÁC, HUNGARY -----	61
Ildikó SZIKOSSY, Ildikó PAP, Zsolt BEREZKI, Orsolya VÁRADI, András SZEKERES, Kinga KARLINGER, Mark SPIGELMAN, Helen D. DONOGHUE, Olivier DUTOUR, Frank MAIXNER, Albert ZINK, György PÁLFI	

- PATHOLOGICAL ALTERATIONS IN HUMAN MUMMIES OF THE GAMHUD CEMETERY -----62**
Enikő SZVÁK, Antal SKLÁNITZ, Lénárd SZABÓ, Áron BÉNI, István JÁNOS, Márta DOBRÓNÉ TÓTH, Zita SZIKSZAY, Zsófia KERTÉSZ, Mihály MOLNÁR, István MAJOR, Hedvig GYŐRY, Karola BIACSI, György PÁLFI, Erika MOLNÁR, Ildikó PAP, Tamás HAJDU, Tamás SZENICZEY, Edina BARANYAI, Virág PABESCHITZ, Ildikó SZIKOSSY
- THE STORY OF MY MISFORTUNES: A CASE STUDY OF INDIVIDUAL WITH SEVERAL SEVERE CONDITIONS INCLUDING SYPHILIS, RESIDUAL RICKETS AND FRACTURES (SPAIN, 16TH-18TH CENTURY) -----63**
Nataša ŠARKIĆ, Lucia MUÑOZ UGARTE, Goran ZEBIĆ, Rosa DINARÈS, Jesus HERRERÍN
- PALEONTOLOGICAL STUDIES ON SKELETAL REMAINS OF HISTORICAL POPULATIONS FROM HUNGARY -----63**
Krisztina TAKÁCS-VELLAI, Tamás HAJDU, Antónia MARCSIK, György PÁLFI, Tamás SZENICZEY, Endre NEPARÁCZKI, Tibor TÖRÖK, Erika MOLNÁR
- A PROBABLE CASE OF RHEUMATOID ARTHRITIS FROM MEDIEVAL NORTHERN ITALY (12TH-13TH CENTURIES) -----64**
Chiara TESI, Valentina GIUFFRA, Gino FORNACIARI, Omar LARENTIS, Monica Rita MOTTO, Marta LICATA
- DIFFERENTIAL SUBADULT HEALTH STATUS INFORMED BY ODONTOMETRIC, GENETIC, AND CULTURAL ESTIMATES FOR SEX -----64**
Lindsey Jo Helms THORSON, Vlasta VYROUBAL, Željka BEDIĆ, Mario ŠLAUS, Patrick J. GRAY
- PERIODONTITIS IN THE HISTORICAL POPULATION OF RADOM (POLAND) FROM THE 11TH TO 19TH CENTURIES -----65**
Jacek TOMCZYK, Anna MYSZKA, Marta ZALEWSKA
- LINEAR CUTTING TREPANATION IN ITALY: A UNIQUE CASE FROM HELLENISTIC SICILY (3RD CENTURY BC) -----65**
Giorgia TULUMELLO, Giulia RICCOMI, Simona MINOZZI, Valentina GIUFFRA
- MARKERS OF DISEASE IN JUVENILE REMAINS FROM A SECOND ANGLO BOER WAR CONCENTRATION CAMP CEMETERY, SOUTH AFRICA -----65**
Stephany Yvonne VAN DER WALT, Willem Coenraad NIENABER, Anja MEYER, Maryna STEYN
- TOWARDS AN INTEGRATED ANALYSIS OF OSTEOPOROSIS: A NEW BIOARCHAEOLOGICAL APPROACH IN PALEOPATHOLOGY -----66**
Anne-Marijn VAN SPELDE, Anna KJELLSTRÖM, Hannes SCHROEDER, Kerstin LIDÉN
- A UNIQUE CASE OF MULTIPLE FRONTAL SINUS OSTEOMA FROM LATE ROMAN SICILY (CATANIA, 5TH-6TH CENTURY AD): MORPHOLOGICAL, RADIOLOGICAL AND HISTOLOGICAL ASSESSMENT -----66**
Elena VAROTTO, Rodolfo BRANCATO, Lorenzo MEMEO, Maria Teresa MAGRO
- ÖTZI: NEW ANTHROPOLOGICAL ANALYSIS USING 3D VISUALIZATIONS FROM 2013 CT SCANS -----67**
Chiara VILLA, Kirstine BOYSEN, Mari BØKSET, Mathias SØDERLUND, Albert ZINK, Niels LYNNERUP

A CONTRIBUTION TO THE HISTORY OF MEDICINE IN 19TH-CENTURY CROATIA -----	67
Vlasta VYROUBAL, Danijel LONČAR, Marija MIHALJEVIĆ, Marina MATKOVIĆ VRBAN, Mario ŠLAUS	
THE VIENNA PATHOLOGICAL ANATOMICAL COLLECTION - A PARADISE FOR PALAEOPATHOLOGISTS -----	68
Karin WILTSCHKE-SCHROTTA, Eduard WINTER, Verena HOFHECKER, Anatol PATZAK, Andreas WASSERSCHIED, Walter FEIGL	
RHINOMAXILLARY FEATURES OF TWO PROBABLE CASES OF LEPROSY IN A JOSEON PERIOD POPULATION OF SOUTH KOREA -----	68
Eun Jin WOO	
HEALTH STATUS OF SOLDIERS IN THE LIKA REGIMENT OF THE CROATIAN MILITARY FRONTIER BETWEEN 1788 AND 1850 -----	69
Matea ZAJC PETRANOVIĆ, Alexander BUCZYNSKI, Petra RAJIĆ ŠIKANJIĆ, Vedran KLAUŽER, Juraj BALIĆ, Goran OVČARIČEK	
'STORIES FROM BONES' - THE POTENTIAL OF 3D SCANNING AND BIOMECHANICAL MODELLING IN PALAEOPATHOLOGY -----	69
Sonia Ruth ZAKRZEWSKI, Stephanie EVELYN-WRIGHT, Martin BROWNE, Christopher J. WOODS, Mark Noel MAVROGORDATO, Katy E. RANKIN, Oliver J. STOCKS, Alexander S. DICKINSON	
MULTI-OMICS STUDY OF THE ICEMAN - INSIGHTS INTO HEALTH, DIET AND DISEASE EVOLUTION -----	70
Albert ZINK, Thomas RATTEI, Rudolph GRIMM, Frank MAIXNER	

bring us to believe that, not only was malaria present on the site during time of occupation, but that it can be successfully identified by using dental samples. This paper will discuss the osteological analysis of the skeletons excavated on the site of Songo Mnara, (Tanzania), the aDNA analysis that resulted from the osteological findings; and how more data on how demographical information may be used to identify potential samples when attempting aDNA analysis of malaria may lead to an alternative to established sampling criteria.

OSTEOMYELITIS IN A MEDIEVAL BURIAL FROM SMEDEREVO FORTRESS, SERBIA

Nataša MILADINOVIĆ-RADMILOVIĆ, Vesna BIKIĆ, Ksenija ĐUKIĆ, Petar MILENKOVIĆ, Dragana VULOVIĆ

Smederevo was built as a fortified rulers' residence and the new capital for the state of the Serbian despots after the sudden death of despot Stefan Lazarević in 1427 and the loss of Belgrade, which was restored to the Hungarians, according to a previous agreement. On the orders of the new ruler, despot Đurađ Branković, it was built from 1428 until 1439, with severe toils and in constant and immediate danger from Turkish attack. The triangular basis of the fort, similar in shape to Constantinople, was determined by the topography of the banks of the rivers Jezava and Danube. At the very confluence, a castle was built with the ruler's court, while a fortified urban settlement took up the rest of the space. In the eastern part of the fortified city, remains of a small court church were discovered. Inside and around the church, medieval burials were discovered, among others, from the first half of the 15th century. During the analysis of skeletons from this sacral complex, a skeleton of a young man, aged 20–25, drew our attention. Namely, anthropological analyses revealed thickened cortex in the proximal femoral region on the left side. Further analyses were conducted by computed tomography (CT) and they confirmed the findings of circumferentially thickened cortex, followed by ossified periosteal reaction and bone bridging. Similar findings were discovered on both tibiae and were more expressed in proximal regions, with fistulas observed on both sides. The left fibula was also present, with circumferentially thickened cortex and ossified periosteal reaction. The observed lesions indicate the presence of a massive inflammation in the surrounding soft tissues, which occurred during his lifetime. The overall anthropological and radiological findings imply osteomyelitis as the diagnosis and, due to the occurrence of it at multiple sites, haematological spread as the most possible.

ENAMEL HYPOPLASIA AND HEALTH CONDITION THROUGH SOCIAL STATUS IN THE ROMAN IMPERIAL AGE

Simona MINOZZI, Walter Benedetto PANTANO, Carla CALDARINI, Valentina GIUFFRA, Paola CATALANO

Dental enamel hypoplasia is a deficit in enamel matrix formation occurring in childhood and resulting from nutritional deficiency or diseases. Examination of hypoplastic lesions in ancient skeletal remains provides an excellent index of developmental stress levels in the past. In this research, the incidence and distribution of Linear Enamel Hypoplasia (LEH) were detected to investigate whether the social status had affected the health and nutritional conditions of the Romans during the Imperial Age. Dental enamel hypoplasia was observed in the teeth of 200 human skeletal remains found in two large necropolises from the Imperial Age in Rome (Italy). Both necropolises, dated back to (1st-2nd centuries A.D.), are located near the ancient centre of Rome and the presence of different typologies of graves, with monumental mausoleums and simple tombs, testifies that the cemeteries were used by diversified social classes. The availability of two sub-samples with different subsistence patterns in the same population permitted to evaluate the distribution of the dental stress markers evidencing the differences between the social classes. Enamel hypoplasia was collected in the whole dentition and differences were found between anterior and posterior teeth, male and female samples, upper and lower social classes. The results will be discussed taking into account other skeletal and dental indicators of health and life

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