



II MEETING NAZIONALE

Gruppo Italiano di Paleopatologia

L'AQUILA, AUDITORIUM DEL PARCO

31 OTTOBRE 2015 ore 9:00

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The molecular analysis has so far been performed on the subadult from Sant'Antioco di Bisarcio, but at initial analysis the DNA resulted degraded. Therefore, the nature of these lesions remains unclear, as it is not sure if they should be referred to tuberculosis, brucellosis or other pathological conditions [hemolytic anemias (eg. Thalassemia), lymphomas, multiple myeloma and infection by Echinococcus]. Further molecular analyses will be carried out on the remains belonging to the other five individuals in an attempt to clarify the etiology of the above mentioned lesions.

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Evidence of syphilis in a noble burial discovered in Piedmont dating back to the eighteenth century

M. ABRATE¹, R. BOANO², E. FULCHERI³

¹Anatomia Patologica ASL CNI - Ospedale di SS Annunziata di Savigliano (Cuneo), Italy; ²Dipartimento di Scienze della Vita e Biologia dei Sistemi, Università di Torino, Italy; ³Anatomia Patologica, Dipartimento DISC, Università degli Studi di Genova, Italy

Ancient human remains were discovered in a burial context inside a crypt of the San Giovanni Battista church (Racconigi, Cuneo). No information is available about the origin of the burials or the dating of the bones. Historical documents suggest that the crypt dates back to when the church was built (1719-1730). The hypogeum has a roughly square shape. Access is through an opening in the ground floor of the church.

Anthropological analyses show that the bones belonged to four individuals in primary burials: three adults and one subadult. In particular, an adult (1/A) of indeterminable age was found prone and represented almost exclusively by the lower limbs; a subadult (2/A), aged 10-13 years old, was found almost completely in a supine position; an adult male (3/A), aged 58-72 years old, that was skeletal in almost all districts even though only partially preserved, was found lying on his right side; an adult male (4/A) aged 58-72 years old, almost completely preserved, was found in a supine position. Some interesting paleopathological findings were observed, in particular, lesions reflecting treponematosis. Macroscopic changes in the teeth and bones typical of venereal and congenital syphilis were detected in the two adults (1/A-4/A) and in the subadult (2/A). The most characteristic cranial lesion is the pattern of scarring (caries sicca) seen on the frontal bone of adult male 4/A. Deforming osteomyelitis of the tibia and fibula were observed in adult 1/A. Hutchinson's incisors were detected in subadult 2/A.

Although paleopathology must basically describe and observe rather than diagnose and deduce on the basis of the macroscopic examination of the skeletal remains alone, it is equally true that in certain cases, like in individual or privileged burials, one can very carefully attempt to achieve a conclusive view, as in this case. Signs of an infectious disease, such as syphilis, were observed in three of the individuals that were found in the crypt of the Church in Racconigi and whom we may hypothesize were related to each other.

References

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The skulls of Borgo Cerreto (Perugia): medical, surgical, and anatomical activity of Baronio Vincenzi (XVII century)

A. LUNARDINI¹, L. COSTANTINI²,
L. COSTANTINI BIASINI², D. CARAMELLA³,
G. FORNACIARI¹

¹Department of Translational Research on New Technologies in Medicine and Surgery, Division of Paleopathology, University of Pisa, Italy; ²Bioarchaeological Research Center, National Museum of Oriental Art "Giuseppe Tucci", Roma, Italy; ³Department of Translational Research on New Technologies in Medicine and Surgery, Division of Diagnostic and Interventional Radiology, University of Pisa, Italy

In the Sixties of the last century the vault of a 17th century private chapel was opened, revealing three isolated skulls with evidence of surgical and anatomical activity. The chapel was built by Baronio Vincenzi, who lived and practiced medicine in Borgo Cerreto, a village in the province of Perugia, between the 16th and the 17th century. The skull bc 01 belongs to an adult male, aged 25-35 years. It shows a hole on the left front-parietal region (30 x 31 mm), that can be identified as the result of a skull trepanation. The margins of the lesion are regularly smoothed and inclined internally and the diploic tissues result almost completely obliterated by a cicatricial bone. A bone splinter (10 x 8 mm), completely reabsorbed, can be observed on the right side of the hole. These findings are the proof of a long survival of the subject. X-ray examination confirms a regular process of ossification, without infection. Trepanation was performed with a Hippocratic trypanon, largely used in cranial surgery of Modern Age. The specimen bc 02 is without skullcap and the right upper part of the face; it belongs to an adult male, 25-30 years aged. The cuts were produced by a bone saw with a thin blade. The choice of these regions suggests the willingness to study the basal skull, the right eye cavity and the paranasal sinuses. The skull bc 03 consists only in a skullcap of an adult individual, which shows the signs of a bone saw. In conclusion, the recovery of a trepanned skull, at present the first specimen of this type recovered so far in Umbria, together with two others skulls with the signs of post-mortem examination, inside the Vincenzi family vault can be probably related to the professional activity of Baronio. He was an experienced surgeon and a skilled anatomist, who certainly experienced the empirical surgery of the nearby surgical School of Preci, famous throughout Europe for the treatment of urinary bladder stones, cataract as well as the ability in skull trepanation.

References

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