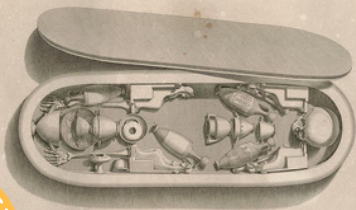


spring
2017



THE BIOARCHAEOLOGY OF CHILDHOOD

INSIDE THE SYLLABUS

Course
description

Assignments
& grading

Course outline

Readings

contact:

Dr. Chryssa BOURBOU/
chrysi.bourmpou@unifr.ch

office hours:

Thursday, 10h00-12h00

(Rue Pierre Aeby 16, office. 2.3)

COURSE DESCRIPTION

Bioarchaeology, or the study of human skeletal remains from archaeological contexts, tackles questions in the search for answers about life in the past.

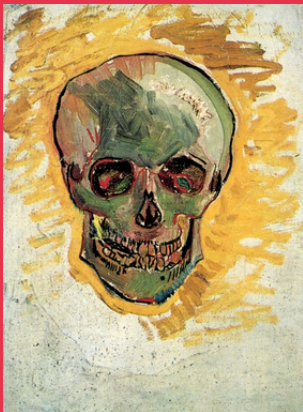
This course will draw on techniques from a variety of disciplines including archaeology, history, physical anthropology, paleopathology and chemistry in order to understand how to reconstruct childhood in the past and especially in the Roman period. During the semester, we will investigate the theory and methods behind bioarchaeological analysis through a series of lectures, practicals, visits and class discussions.

LEARNING OBJECTIVES

Understand and explain the history and creation of bioarchaeology as a field

Apply the understanding of bioarchaeology in the study of Roman childhood

Communicate themes of bioarchaeological studies



ASSIGNMENTS & GRADING

If you can't get rid of the skeleton in your closet, you'd best teach it to dance.

- Attend and participate in the activities of the course (30%)
- Present a journal article to the class (15%)
- Write a press release or science news story about a journal article (15%)
- Write an essay (ca. 2,500 words) (40%)

Tips

(for a good course)

Very good knowledge of English

Previous (and further reading) is highly recommended

Check science news articles and press releases on bioarchaeology

Subscribe to one or more bioarchaeology blogs

classes start: 2/3
classes end: 11/5

COURSE OUTLINE

Location:
Room 4120

Time:
15h00-19h00

week 1 (2/3)

bone quiz/ intro to bioarchaeology
Intro to human osteology

week 2 (16/3):

intro to paleopathology

week 3 (30/3):

children lost and found

week 4 (13/4):

the bioarchaeology of
children

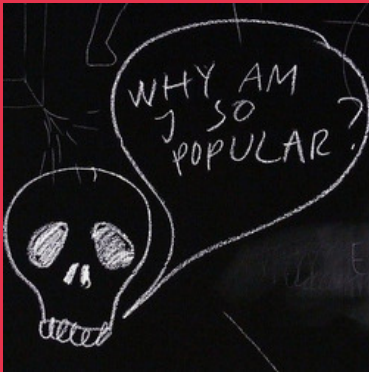
week 5 (27/4):

public outreach in
bioarchaeology

week 6 (11/5):

visit to Avenicum

READINGS



Web sources:

BLOGS/SITES

<https://bonesdontlie.wordpress.com/>

<http://www.poweredbyosteons.org/2012/11/pros-and-cons-of-osteobiography.html>

<https://howardwilliamsblog.wordpress.com/>

<http://www.forbes.com/sites/kristinakilgrove/#3c9e6d927037>

<http://www.pasthorizonspr.com/>

<http://www.historyoftheancientworld.com/>

FACEBOOK

<https://www.facebook.com/groups/skeletonsinthecloset/>

<https://www.facebook.com/groups/BioAnthNews/>

<https://www.facebook.com/groups/paleopathology/>

<https://www.facebook.com/PoweredByOsteons/>

READINGS

Week 1: Bioarchaeology

- Agarwal, S.C., Glencross, B.A. (eds.), 2011. *Social Bioarchaeology*, New York.
- Buikstra, J.E., Beck, L.A. (eds.), 2006. *Bioarchaeology: The Contextual Analysis of Human Remains*, Amsterdam.
- Larsen, C.S., 2000. *Bioarchaeology: Interpreting Behavior from the Human Skeleton*, Cambridge.
- Larsen, C.S., 2002. *Bioarchaeology: The Lives and Lifestyles of Past People*, *Journal of Archaeological Research* 10, 119–166.
- Lozada, M.-C., O'Donnabhain, B. (eds.), 2013. *The Dead Tell Tales: Essays in Honor of Jane E. Buikstra*, Los Angeles.
- Mays, S., 2010. *The Archaeology of Human Bones*, London.
- Wright, L. E., Yoder, C. J., 2003. Recent Progress in Bioarchaeology: Approaches to the Osteological Paradox, *Journal of Archaeological Research* 11: 43–70.

(further reading)

- Baadsgaard, A., Boutin, A. T., Buikstra, J. E. (eds.), 2011. *Breathing New Life into the Evidence of Death. Contemporary Approaches to Bioarchaeology*, Santa Fe, NM.
- Martin, D.L., Harrod, R.P., Pérez, V., 2013. *Bioarchaeology. An Integrated Approach to Working with Human Remains*, New York.
- Stodder, A.L., Palkovich, A.M., 2012. *The Bioarchaeology of Individuals. Bioarchaeological Interpretations of the Human Past: Local, Regional, and Global*, Gainesville.
- Tarlow, S., Nilsson Stutz, L. (eds.), 2013. *The Oxford Handbook of the Archaeology of Death*, Oxford.
- Williams, H., Giles, M. (eds.), 2016. *Archaeologists and the Dead. Mortuary Archaeology in Contemporary Society*, Oxford.

Human Osteology

- White, T.D., Folkens, P.A., 2005. *The Human Bone Manual*, Amsterdam.
- White, T.D., Black, M.T., Folkens, P.A., 2012. *Human Osteology*, 3rd ed. Amsterdam.

Week 2: Paleopathology

- Aufderheide, A., Rodríguez-Martín, C., 1998. The Cambridge Encyclopedia of Human Paleopathology, Cambridge.
- Buikstra, J. E., Roberts, C. A., 2012. The Global History of Paleopathology: Pioneers and Prospects, Oxford.
- Grauer, A.L. (ed.), 2012. A Companion to Paleopathology, Chichester.
- Ortner, D.J., 2003. Identification of Pathological Conditions in Human Skeletal Remains, San Diego.
- Weiss, E., 2015. Paleopathology in Perspective: Bone Health and Disease through Time, Lanham.

Week 3: Children Lost and Found

- Lally, M., Moore, A. (eds.), 2011. (Re)Thinking the Little Ancestor: New Perspectives on the Archaeology of Infancy, BAR International Series 2271, Oxford.
- Lillehammer, G., 1989. A Child is Born: The Child's World in an Archaeological Perspective. Norwegian Archaeological Review 22, 89–105.
- Kamp, K., 2001. Where Have All the Children Gone? The Archaeology of Childhood, Journal of Archaeological Method and Theory 8, 1–34.

(further reading)

- Scott, E., 1999. The Archaeology of Infancy and Infant Death. BAR-International Series 819, Oxford.
- Soafer-Derevensky, J.S., 2000. Children and Material Culture, London.

(On Roman Childhood)

- Dasen, V. (ed.), 2002. "Geboren im Jahr 2001" / Regards croisés sur la naissance et la petite enfance, Fribourg.
- Dasen, V. (ed.), 2004. Naissance et petite enfance dans l'Antiquité, Fribourg.
- Dasen, V. (ed.), 2007. L'embryon humain à travers l'histoire. Images, savoirs et rites, Gollion.
- Dasen, V. (ed.), 2011. La médecine à l'époque romaine, Archéo-Théma, 46.
- Dasen, V., 2012. Cherchez l'enfant! La question de l'identité à partir du matériel funéraire', in Hermary, A., Dubois, C. (eds.), L'enfant et la mort dans l' Antiquité III, Le matériel associé aux tombes d'enfants, Paris/Aix-en-Provence, 9–22.
- Dasen, V. (ed.), 2013. La petite enfance dans l'Antiquité, Dossiers d'archéologie, no 356.

- Dasen, V., 2014. «Iconographie et archéologie des rites de passage de la petite enfance dans le monde romain. Questions méthodologiques», in Mouton, A., Patrier, J. (eds.), *Life, Death, and Coming of Age in Antiquity: Individual Rites of Passage in the Ancient Near East*, Leiden, 231–252.
- Dasen, V., 2015. *Le sourire d'Omphale. Maternité et petite enfance dans l'Antiquité*, Rennes.
- Dasen, V., Baills-Talbi N., 2008. Rites funéraires et pratiques magiques, in Gusi, F., Muriel, S., Olària, C. (eds.), *Nasciturus, infans, puerulus, vobis mater terra. La muerte en la infancia*. Castelló de la Plana, 595–618.
- Dasen, V., King, H., 2008. *La médecine dans l'Antiquité grecque et romaine*, Lausanne.
- Dasen, V., Späth, Th. (eds.), 2010. *Children, Memory, and Family Identity in Roman Culture*, Oxford.
- Dasen, V., Pache Huber, V. (eds.), 2010. *Politics of Child Care in Historical Perspective. From the World of Wet Nurses to the Networks of Family Child Care Providers*, Special Issue of *Paedagogica Historica* 46.
- Dasen, V., Hennard Dutheil de la Rochère, M. (eds.), 2011. *Des Fata aux fées: regards croisés de l'Antiquité à nos jours*, Lausanne.
- Dasen, V., Gérard-Zai, M.-C. (eds.), 2012. *Art de manger, art de vivre. Nourriture et société de l'Antiquité à nos jours*, Gollion.
- Dasen, V., Lett, D., Morel, M.-F., Rollet, C., 2001. Dix ans de travaux sur l'enfance, *Enfances. Bilan d'une décennie de recherche*, *Annales de démographie historique*, 2, 5–100.
- Dubois C., Hermary, A. (eds.), 2012. *L'enfant et la mort dans l'Antiquité III, Le matériel associé aux tombes d'enfants*, Paris/Aix-en-Provence.
- Garnsey, P., 1991. *Child Rearing in Ancient Italy*, in Kertzer, D.I. and Saller, P. (eds.), *The Family in Italy from Antiquity to Present*, New Heaven, CT, 48–65.
- Gowland, R. L., 2001. *Playing Dead: Implications of Mortuary Evidence for the Social Construction of Childhood in Roman Britain*. *Proceedings of the Tenth Annual Theoretical Roman Archaeology Conference*, Oxford, 152–168.
- Guimier-Sorbets, A.-M., Morizot, Y. (eds.), *L'enfant et la mort dans l'Antiquité. Nouvelles recherches dans les nécropoles grecques. Le signalement des tombes d'enfants*, Paris.

Harlow, M., Laurence, R., 2002. Growing Up and Growing Old in Ancient Rome: A Life Course Approach, London.

Harlow, M., Larsson-Lovén, L. (eds.), 2012. Families in the Imperial and Late Antique Roman World, London.

Laes, C. 2011. Children in the Roman Empire: Outsiders Within, New York.

Laurence, H., Harlow, M. (eds.), 2010. A Cultural History of Childhood and Family in Antiquity, Oxford.

Laurence, R., Stromberg, A., 2012. Families in the Greco-Roman World. London.

Millett, M., Gowland, R.L. 2015. Infant and Child Burials Rites in Roman Britain: A study from East Yorkshire. Britannia available on CJO2015. doi:10.1017/S0068113X15000100.

(Feeding the Child)

Fildes, V.A., 1986. Breasts, Bottles and Babies: A History of Infant Feeding, Edinburgh.

Sparreboom, A., 2014. Wet-Nursing in the Roman Empire, in Carroll, M., Graham, E-J. (eds.), Infant Health and Death in Roman Italy and Beyond, Portsmouth, 145–158.

Week 4: The Bioarchaeology of Children

Carroll, M., Graham, E-J. (eds.), 2014. Infant Health and Death in Roman Italy and Beyond, Portsmouth.

Gowland, R.L., Redfern, R.C., 2010. Childhood Health in the Roman World: Perspectives from the Centre and Margin of the Empire, Childhood in the Past 3, 15–42.

Lewis, M.E., 2007. The Bioarchaeology of Children. Perspectives from Biological and Forensic Anthropology, Cambridge.

(further reading)

Thompson, J.L., Alfonso-Durruty, M. P., Crandall, J.J. (eds.), 2014. Tracing Childhood: Bioarchaeological Investigations of Early Lives in Antiquity, Gainesville.

(Feeding the Roman Child-Isotopic Studies)

Dupras, T.L., Schwarcz, H.P., Fairgrieve, S.I., 2001. Infant Feeding and Weaning Practices in Roman Egypt, *American Journal of Physical Anthropology* 115, 204–12.

Dupras, T.L., Tocheri, M.W., 2007. Reconstructing Infant Weaning Histories at Roman Period Kellis, Egypt Using Stable Isotope Analysis of Dentition, *American Journal Physical Anthropology* 134, 63–74.

Fairgrieve, S.I., Molto, E. J., 2000. Cribra Orbitalia in Two Temporally Disjunct Population Samples from the Dakhleh Oasis, Egypt, *American Journal of Physical. Anthropology* 111, 319–331.

Fuller, B.T., Molleson, T.I., Harris, D.A., Gilmour L.T., Hedges, R.E.M., 2006. Isotopic Evidence for Breastfeeding and Possible Adult Dietary Differences from Late/Sub-Roman Britain, *American Journal of Physical Anthropology* 129, 45–54.

Powell, L. A., Redfern, R.C., Millard, A.R., Gröcke, D.R., 2014. Infant Feeding Practices in Roman London: Evidence from Isotopic Analyses, in Carrol, M., Graham, E.-J. (eds.), *Infant health and Death in Roman Italy and Beyond*, Portsmouth, 89–110.

Prowse, T., Schwarcz, H.P., Saunders, S., Macchiarelli, R., Bondioli, L., 2004. Isotopic Paleodiet Studies of Skeletons from the Imperial Roman-Age Cemetery of Isola Sacra, Rome, Italy, *Journal of Archaeological Science* 31, 259–72.

Prowse, T. L., Schwarcz, H.P., Saunders, S,R., Macchiarelli, R., Bondioli, L., 2005. Isotopic Evidence for Age- Related Variation in Diet From Isola Sacra, Italy, *American Journal of Physical Anthropology* 128, 2–13.

Prowse, T. L., Saunders, S. R., Schwarcz, H. P., Garnsey, P., Macchiarelli, R., Bondioli, L., 2008. Isotopic and Dental Evidence for Infant and Young Child Feeding Practices in an Imperial Roman Skeletal Sample, *American Journal of Physical Anthropology* 137, 2008, 294–308.

Redfern, R.C., Millard, A.R., Hamlin, C., 2012. A Regional Investigation of Subadult Dietary Patterns and Health in Late Iron Age and Roman Dorset, England, *Journal of Archaeological Science* 39, 1249–1259.

Wheeler, S. M., 2012. Nutritional and Disease Stress of Juveniles from the Dakhleh Oasis, Egypt, *International Journal of Osteoarchaeology* 22, 219–234.

(Paleopathology of the Roman Child)

- Cortese Silva, F., Márquez Perez, J., Rosa, J., Santos, A.L., 2014. Health Care and Survival of a Child with Cranial Trauma at Augusta Emerita (Mérida, Spain), in Michaelides, D. (ed.), *Medicine and Healing in the Ancient Mediterranean World*, Oxford, 218–222.
- FitzGerald, C., Saunders, S., Bondioli, L., Macchiarelli, R., 2006. Health of Infants in an Imperial Roman Skeletal Sample: Perspective from Dental Microstructure, *American Journal of Physical Anthropology* 130, 179–189.
- Lewis, M. E., 2010. Life and Death in a Civitas Capital: Metabolic Disease and Trauma in the Children from Late Roman Dorchester, Dorset, *American Journal of Physical Anthropology* 142, 405–16.
- Lewis, M.E., 2011. Tuberculosis in the Non-Adults from Romano-British Poundbury Camp, Dorset, England, *International Journal of Paleopathology* 1, 12–23.
- Redfern, R., Roberts, C.A., 2005. Health in Romano-British Communities: Reflections from the Cemeteries, in Smith, D.N., Brickley, M.B., Smith, W. (eds.), *Fertile Ground. Papers in Honour of Susan Limbrey*, Symposia of the Association for Environmental Archaeology No. 22, Oxford, 115–129.
- Redfern, R. C., DeWitte, S.N., 2011. Status and Health in Roman Dorset: The Effect of Status on Risk of Mortality in Post-Conquest Populations, *American Journal of Physical Anthropology* 146, 197–208.
- Redfern, R. C., Gowland, R. L., 2012. A Bioarchaeological Perspective on the Pre-adult Stages of the Life Course: Implications for the Care and Health of children in the Roman Empire, in Harlow, M., Larsson-Lovén, L. (eds), *Families in the Imperial and Late Antique Roman World*. London, 111–140.
- Redfern R. C., Gowland R., Poweel L., 2013. La santé des enfants sous l' Empire romain, *Dossiers d'archéologie* 356, 80–83.
- Redfern, R.C., DeWitte, Sh. N., Pearce, J., Hamlin, C. Egging Dinwiddy, K., 2015. Urban–Rural Differences in Roman Dorset, England: A Bioarchaeological Perspective on Roman Settlements, *American Journal of Physical Anthropology* 157, 107–120.

Week 5: Public Outreach in Bioarchaeology

Meyers, E. K., Killgrove, K., 2015. Bones, Bodies, and Blogs: Outreach and Engagement in Bioarchaeology, *Internet Archaeology* 39.

<http://dx.doi.org/10.11141/ia.39.5>

Meyers, K., Killgrove, K., 2014. Blogging Bioarchaeology. *Society for Archaeological Sciences Bulletin* 37, 23-25.

Rocks-Macqueen, D., Webster, C. (eds.), 2014. *Blogging Archaeology*, Landward Research Ltd.