

CURRICULUM VITAE

I. PERSONAL INFORMATION

Full name: Myadagmaa Jaalkhorol
Gender: Female
Nationality: Mongolian
Present Title: Lecturer
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II. EDUCATION

2005: MD degree. Health Science University of Mongolia
2006-2007: Residency physician training in Ultrasound, Obstetrician and Gynecologist. HealthScience University of Mongolia
2012: Master degree. Health Science University of Mongolia
2014: Gynecological Endocrinology Doctor's training. National Center for Maternal and Child Health of Mongolia
2019: PhD degree (epidemiology) in Kindai University Graduate School of Medical Sciences, Osaka, Japan

III. PROFESSIONAL/EXPERIENCE

2005-2007: Ultrasound doctor. "Naran MRI diagnostic center" Private hospital at hospital №2 in Bayanzurkh district, Ulaanbaatar, Mongolia
2007-2014: Gynecologist. Chingeltei Health Unit in Chingeltei district, Ulaanbaatar, Mongolia
2019-present: Lecturer. Department of Preventive Medicine School of Public Health Mongolian National University of Medical Sciences.

IV. PROFESSIONAL/ORGANIZATIONS

2006-present: Member of the Mongolian Gynecological Association.
2018-present: Member of the Japanese Epidemiological Association
2020-present: Member of the Royal Osteoporosis Society
2022-present: President of the Mongolian Naran Society for Osteoarthritis and Musculoskeletal Health (MNSOMH) Non-Governmental Organization (NGO)
2022-present: Member of Pan-Asian Committee for Treatment and Research in Multiple Sclerosis (PACTRIMS)

V. SCIENTIFIC SUPERVISION

2020-present: Bulgantuya Byambaa Doctorate course student. Thesis Supervisor
2019-2021: Badrangui Bat-Orgil, MPH., Thesis Supervisor
2019-2021: Iderchuluut Myagmarjav, MPH., Thesis Supervisor
2022-present: Dashdulam Tsanlignrenchin Doctorate course student. Thesis Supervisor
2020-2022: Bayarmaa Jigmeddorj, MPH., Thesis Supervisor
2019-2022: Anujin Chuluunbaatar BS., Thesis Supervisor
2021-2023: Gantuya Magnaibayar MPH., Thesis Supervisor
2022-2024: Anya Khairat Master course student. Thesis Supervisor
2023-present: Khenchbish Baatar Master course student. Thesis Supervisor
2023-present: Ariuntsetseg Enkhtaivan Doctorate course student. Thesis Supervisor

VI. TEACHING ACTIVITIES

2019-present: Preventive Medicine of lecture and seminars, Department of Preventive Medicine School of Public Health, Mongolian National University of Medical Sciences
2019-present: Public Health issue of lecture and seminars, Department of Preventive Medicine School of Public Health, Mongolian National University of Medical Sciences

VII. AWARDS AND SCHOLARSHIPS

2022	Travel grant by PACTRIMS. Singapore
2021	Academic Research Paper Competition. Award by Asian Developing Bank
2014	Japanese Government (MONBUKAGAKUSHO:MEXT) Scholarship
2014	“Eruul Mendiin Yamni Juukh Bichig-Best Doctor,” Ministry of Health of Mongolia
2010	Prize of Leader Researcher Medical Student of Health Science University of Mongolia
2009	Travel grant by Japan Epidemiological Association. Chiba, Japan

VIII. SCIENTIFIC PUBLICATIONS

1. **Myadagmaa Jaalkhorol**, Amarsaikhan Dashtseren, Badrangui Bat-Orgil, Tsetsegsuren Jaalkhorol, Bulgantuya Byambaa, Yukihiro Ikeda. Knowledge of Osteoporosis in Patients with Type 2 Diabetes in Mongolia: Web-Based Cross-sectional Study during COVID-19 Pandemic. *Turk J Osteoporos* 2023; 29:161-169
2. **Myadagmaa Jaalkhorol**, Badrangui Bat-Orgil, Khorolsuren Lkhagvasuren, Amarsaikhan Dashtseren, Oyunbileg Dulamsuren, Tsetsegsuren Jaalkhorol, Nansalmaa Khaidav, Lkhagvasuren Luvsan, Tuvshintugs Khadkhuu, Raja Chakraborty, Sławomir Koziel. Is 2D:4D digit ratio related to avowed religion? A study among Mongolian young males from Ulaanbaatar. *Am J Hum Biol.* 2023;e23950.
3. **Myadagmaa Jaalkhorol**, Oyunbileg Dulamsuren, Amarsaikhan Dashtseren, Nansalmaa Khaidav, Badrangui Bat-Orgil, Anar Bold, Enkh-Dulguun Amgalan, Anujin Chuluunbaatar and, Ikuo Tsunoda. Multiple sclerosis in Mongolia; the first study exploring predictors of disability and depression in Mongolian MS patients. *Pathophysiology* 2023, 30, 15–26. <https://doi.org/10.3390/pathophysiology30010003> 1,20
4. Enkh-Amgalan Byambajav, Chimedsuren Ochir, **Myadagmaa Jaalkhorol**, Khandmaa Sukhbaatar, Oyunbileg Dulamsuren. Assessment of knowledge and attitudes about responsibility of visitors to health units during a quarantine of COVID 19 in Mongolia. *Global Bioethics Enquiry* 2021; 9 (2): 114-121.
5. Khishigtogtokh Dashpuntsag, Unurtsetseg Chandaga, Nyamsuren Tserennadmid, Udvaltseteg Bat- Ochir, Gan-Erdene Altankhuyag, Nadmidtsuren Gombodorj, Yerkyebulan Mukhtar, Oyunbileg Dulamsuren, **Myadagmaa Jaalkhorol**. Awareness and attitudes of Mongolian adolescents and youth toward alcohol consumption and alcohol-related harm. *Addict Health* 2021; 13(3): 185-93.
6. **Myadagmaa Jaalkhorol**, Amarsaikhan Dashtseren, Oyunbileg Dulamsuren, Tsetsegsuren Jaalkhorol, Enkhtsetseg Jamsranjav, Khorolsuren Lkhagvasuren. Reproductive health knowledge, attitudes, and practices of Mongolian university male students. *Mongolian Journal of Health Sciences* , 2021; 11:27.
7. **Myadagmaa Jaalkhorol**, Yuki Fujita, Katsuyasu Kouda, Junko Tamaki, Misa Komatsu, Namiraa DongMei, Yuho Sato, Takahiro Tachiki, Akiko Yura, Etsuko Kajita, Sadanobu Kagamimori, Masayuki Iki. Low bone mineral density is associated with an elevated risk of developing increased arterial stiffness: a 10-year follow-up of Japanese women from the Japanese Population-based Osteoporosis (JPOS) Cohort study. *Maturitas.*119;2019:39-45.
8. Katsuyasu Kouda, Kumiko Ohara, Harunobu Nakamura, Yuki Fujita, **Myadagmaa Jaalkhorol**, Masayuki Iki. Fat mass is positively associated with bone mass acquisition in children with small or normal lean mass: a three-year follow-up study. *Journal of Bone.* Vol 107;2018:222-227.
9. **Jaalkhorol Myadagmaa**, Davaasambuu Ganmaa, Dambadarjaa Davaalkham, Jamsranjav Enkhtsetseg, Defining average level of serum testosterone in the blood of women of reproductive age in Ulaanbaatar city, *Mongolian Journal of Maternal and Child Health Sciences*, 2012;23:83
10. **Jaalkhorol Myadagmaa**, Davaasambuu Ganmaa, Dambadarjaa Davaalkham, Jamsranjav Enkhtsetseg, Study about defining average amount of blood serum testosterone in the reproductive- aging women, *Mongolian Journal of Health Sciences* , 2012;8:54
11. **Jaalkhorol Myadagmaa**, Byambasuren Zolzaya, Davaasambuu Ganmaa, Dambadarjaa Davaalkham, Jamsranjav Enkhtsetseg, Distribution of obesity and overweight among reproductive- age women in Mongolian, *J Epidemiology (Supp)*, 2010;20:219
12. **Jaalkhorol Myadagmaa**, Byambasuren Zolzaya, Davaasambuu Ganmaa, Dambadarjaa

- Davaalkham, Jamsranjav Enkhtsetseg, Distribution of obesity and overweight among reproductive- age women in Ulaanbaatar city, Mongolian Journal of Health Sciences, 2010;15:51
13. **Jaalkhorol Myadagmaa**, Byambasuren Zolzaya, Davaasambuu Ganmaa, Dambadarjaa Davaalkham, Jamsranjav Enkhtsetseg, Vitamin D concentration among Mongolian women of reproductive age, Mongolian Journal of Health Sciences, 2010;15:37

IX. PRESENTATIONS AT INTERNATIONAL CONFERENCES/SYMPOSIA

1. **Myadagmaa Jaalkhorol**, Amarsaikhan Dashtseren, Gantuya Magnaibayar, Bat-Orgil Badrangui, Viktor von Wyl. “Low vitamin D level associated with disability in Mongolian multiple sclerosis patients, the first Mongolian study” MSMilan 9th Joint ECTRIMS-ECTRIMS Meeting 11-13 October 2023 Milan, Italy. Multiple Sclerosis Journal 2023;29: (3S) 650-1044
2. **Jaalkhorol M**; Dashtseren M; Dashtseren A; Dulamsuren O; Khairat A; Khaidav N; Bat- Orgil B; Baigabul B; Davaadorj G; Tsunoda I. Low hand-grip strength in type 2 diabetes mellitus patients in Mongolia: A cross-sectional study. WCO IOF-ESCEO Congress 2023. Abstract book, P 190
3. **M. Jaalkhorol**, A. Khairat, B. Bat-Orgil. Association between hand-grip strength and type 2 diabetes mellitus in Mongolian postmenopausal women. WCO IOF-ESCEO Congress 2023. Abstract book, P 317
4. **Jaalkhorol M**; Dulamsuren O; Dashtseren A; Byambajav E-A; Khaidav N; Bat-Orgil B; Jigmeddorj B; Chuluunbaatar A; Tsunoda I. The first multiple sclerosis study in Mongolia; Predictors of disability and depression in Mongolian MS patients [Invited] The 14th Congress of the Pan-Asian Committee for Treatment and Research in Multiple Sclerosis (PACTRIMS)2022 Singapore PACTRIMS Programme & Abstracts p25-26
5. Does the 2D:4D finger length quotient have anything to do with religion? Research of students from Mongolia. Sławomir Kozieł, **Myadagmaa Jaalkhorol**, Amarsaikhan Dashtseren, Oyunbileg Dulamsuren, Khorolsuren Lkhagvasuren, Badrangui Bat-Orgil, Tsetsegsuren Jaalkhorol, Nansalmaa Khaidav, Enkh-Amgalan Byambajav, Lkhagvasuren Luvsan, Tuvshintugs Khadkhuu. Oral presentation Anthropological Association conference in Łódź, Poland. September 21-23.2022
6. WCO-IOF-ESCEO Berlin 2022. March 24-26. **Myadagmaa Jaalkhorol**, Amarsaikhan Dashtseren, Badrangui Bat-Orgil “Assessing knowledge level of osteoporosis in Mongolian women with type ii diabetes mellitus”. WCO22-Abstract Book. 2022; 283–284.WCO-IOF- ESCEO Berlin 2022. Aging Clin Exp Res (2022) 34 (Suppl 1): S210
7. WCO-IOF-ESCEO Berlin 2022. March 24-26. Amarsaikhan Dashtseren, **Myadagmaa Jaalkhorol**, Badrangui Bat-Orgil, Bayrmaa Jigmeddorj “Association between osteoporosis knowledge and patients with type 2 diabetes during covid-19 in Mongolia: a web-based cross- sectional study” WCO22-Abstract Book. 2022; 283–284. WCO-IOF-ESCEO Berlin 2022. Aging Clin Exp Res (2022) 34 (Suppl 1): S211
8. **Myadagmaa Jaalkhorol**, Amarsaikhan Dashtseren, Oyunbileg Dulamsuren, Khorolsuren Lkhagvasuren, Badrangui Bat-Orgil, Tsetsegsuren Jaalkhorol, Nansalmaa Khaidav, Enkh- Amgalan Byambajav. “Socio-Economic Development, Infrastructure Development, and Green Development” 30th anniversary of Mongolia–ADB partnership. “Sexual and Reproductive Health Knowledge of Mongolian Adolescents during the COVID-19 Pandemic

- Lockdown: A Cross-Sectional Study of Male Students” 19 Nov 2021, invited speaker
9. Oyunbileg Dulamsuren, Enkh-amgalan Byambajav, **Myadagmaa Jaalkhorol**, Bolormaa Idesh, Munkh-erdene Luvsan, Batchimeg Purevjav, Chimedsuren Ochir. 3rd Euro-Mediterranean Conference for Environmental Integration (EMCEI-2021). Sousse. Tunisia. 10– 13 June 2021 “Association between some climate conditions and arterial hypertension in Mongolia”
 10. Badrangui Bat-Orgil, Enkhtsetseg Jamsranjav, Amarsaikhan Dashtseren, Khorolsuren Lhagvasuren, Oyunbileg Dulamsuren, and **Myadagmaa Jaalkhorol**. Measuring knowledge level of family planning and reproductive health of undergraduate male students in Mongolia. Students International All Free Hybrid Events 2021. Caucasus Journal of Health Sciences and Public Health. 04.28.2021. invited speaker
 11. Temuulen Jamsran, Bat-Enkh Battulga, Uuriintsolmon Baatar, Sodnom Yadamsuren, Bayarmagnai Lkhagvasuren, and **Myadagmaa Jaalkhorol**. 2020 Off/Online Transformation - Deer Leap Towards Main Goal of Health Sciences, Development, and Progress: Health, Well- being, and Wellness of the Society July 20-24, 2020. Georgia, Tbilisi. “Reproductive health knowledge, attitudes, and practices of Mongolian university male students”, invited speaker
 12. **Myadagmaa Jaalkhorol**, Yuki Fujita, Katsuyasu Kouda, Junko Tamaki, Misa Komatsu, Namiraa DongMei, Yuho Sato, Takahiro Tachiki, Akiko Yura, Etsuko Kajita, Sadanobu Kagamimori, Masayuki Iki. Osteoporosis Conference 2020. 30 November - 02 December 2020, ACC Liverpool. “Association between bone mineral density and arteriosclerosis in postmenopausal women: a 10-year follow-up of the Japanese population-based osteoporosis cohort study”
 13. **Myadagmaa Jaalkhorol**, Yuki Fujita, Katsuyasu Kouda, Junko Tamaki, Misa Komatsu, Namiraa DongMei, Yuho Sato, Takahiro Tachiki, Akiko Yura, Etsuko Kajita, Sadanobu Kagamimori, Masayuki Iki. 2019 Japan Epidemiological Association 28, Fukushima, Japan. February.01.2019. “Bone mineral density predicts arterial stiffness a 10-year follow-up of the JPOS study”, invited speaker
 14. **Myadagmaa Jaalkhorol**, Yuki Fujita, Katsuyasu Kouda, Junko Tamaki, Misa Komatsu, Namiraa DongMei, Yuho Sato, Takahiro Tachiki, Akiko Yura, Etsuko Kajita, Sadanobu Kagamimori, Masayuki Iki. “Relationship between bone mineral density in women: The Japanese Population-based Osteoporosis JPOS Cohort study”, invited speaker. Kindai University’s international students conference, Nara, Japan. September. 02. 2018.
 15. **Jaalkhorol Myadagmaa**, Byambasuren Zolzaya, Davaasambuu Ganmaa, Dambadarjaa Davaalkham, Jamsranjav Enkhtsetseg, Distribution of obesity and overweight among reproductive- age women in Mongolian, J Epidemiology (Supp), 2010;20:219

X. ORGANISATION OF SCIENTIFIC EVENTS

2021 COVID-19 pandemic and public health, international online conference. School of Public Health, Mongolian National University of Medical Sciences. 540 participants, role is manager in organizing the event. 2021. March 25-26

2019 “Professionalization and Career in Public Health”, School of Public Health, Mongolian National University of Medical Sciences, ASPHER, Maastricht, The Netherlands. International conference. 270 participants, role is manager in organizing the event. 2019. Dec.10

XI. REVIEWING ACTIVITIES

2022-present Reviewer of the American Journal of Health Research.

2022- present Reviewer of the Journal Dialogues in Health.

XII. MAJOR COLLABORATIONS

Prof. Ganmaa Davaasambuu, Department of Nutrition Harvard T. H. Chan School of Public Health, USA, mutual cooperation in research, breast cancer and reproductive health

Prof. Masayuki Iki, Department of Public Health, Kindai University Faculty of Medicine, Japan, mutual cooperation in research, osteoporosis and osteoporotic fracture

Prof. Ikou Tsunoda, Department of Microbiology, Kindai University Faculty of Medicine, Japan, mutual cooperation in research, Multiple Sclerosis

Dr. Polino Shilo, Department of Personalized Medicine, DAVIDOVSKIY HOSPITAL №23, Moscow, Russia, mutual cooperation in research, gynecological cancer and reproductive health

Associate Prof. Namiraa Dongmei, Department of Orthopedic Medicine, Second Affiliated Hospital of Inner Mongolia Medical University, Inner Mongolia, China, mutual cooperation in research, orthopedics and muscle strength

Prof. Junko Tamaki, Department of Hygiene and Public Health, Osaka Medical College, Japan, mutual cooperation in research, obesity, atherosclerosis and peripheral arterial stiffness.

Prof. Katsuyashi Kouda, Department of Hygiene and Public Health, Kansai Medical University, Japan, mutual cooperation in research, obesity children

Prof. Matsumura Noriomi, Department of Gynecology and Obstetrics, Kindai University Faculty of Medicine, Japan, mutual cooperation in research, gynecological cancer, reproductive health, and family planning

Prof. Slawomir Koziel, Department of Anthropology, Ludwik Hirszfild Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Poland, mutual cooperation in research, obesity, non-communicable disease.

XIII. RESEARCH PROJECTS

1. 2022-present Project title: “Healthy student” **Principal-investigator**. Funding body-Health Promotion Foundation. Minister Health Mongolia. Budget-4.000\$
2. 2021-present Project title: “To determine knowledge of osteoporosis with diabetic patients in Ulaanbaatar city”. **Principal-investigator** Funding body-Health Promotion Foundation. Minister Health Mongolia. Budget-15.000\$
3. 2020-2021 Project title: “Sexual and Reproductive Health Knowledge of Mongolian Adolescents during the COVID 19 in male students. **Principal-investigator**. Funding body-WHO. Budget-2000\$
4. 2020-2021 Project title: “Adaptation and assessment THE impact ranking methodology derived from SDGs at the National University of Mongolia” **Principal-investigator**. Funding body-Mongolian National University. Budget-7000\$
5. 2020-2021 Project title: Assessment of knowledge and attitudes about responsibility of visitors of health center during a quarantine of COVID 19 in Mongolia. **Co-investigator**. Funding body-WHO. Budget-3500\$
6. 2019-2020 Project title: “Evaluation of the current situation of primary health care services in Govi-Sumber aimag” **Project coordinator**. Funding body-WHO, Budget-5000\$
7. 2009-2011 Project title: 2009-2011 Project title: “Premenopausal Hormone Concentrations in a Population of Women at Very Low Risk of Breast Cancer” **Co-investigator**. Funding body-Harvard School of Public Health, Budget-20.000\$