



Monica Grover

Clinical Associate Professor, Pediatrics - Endocrinology

CLINICAL OFFICE (PRIMARY)

- **Center for Academic Medicine**

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Bio

BIO

CLINICAL FOCUS:

- Pediatric Endocrinology
- Pediatric Diabetes
- Pediatric Bone Health

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- Pediatric Endocrinology
- Pediatric Bone health

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Pediatrics - Endocrinology
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Clinical Associate Professor, Department of Pediatrics, Division of Pediatric Endocrinology, (2020- present)
- Co-Director, Bone Health Clinic at Stanford Children's Health, (2017- present)
- Clinical Assistant Professor, Department of Pediatrics, Division of Pediatric Endocrinology, Stanford School of Medicine, Lucile Packard Children's Hospital, (2016-2020)
- Clinical Instructor, Department of Pediatrics, Division of Pediatric Endocrinology, Lucile Packard Children's Hospital, Stanford University, (2015-2016)
- Assistant Professor, Department of Pediatrics, Division of Pediatric Endocrinology, University of Virginia, (2013-2015)
- Post Doctoral Associate, Department of Human and Molecular Genetics, Baylor College of Medicine, (2012-2013)

HONORS AND AWARDS

- New Investigator Award, European Calcified Tissue Society (2013)

- NRSA (F32), NIH (2012)
- Research Fellowship Award, Lawson Wilkins Pediatric Endocrine Society (2012)
- Travel Grant, Pediatric Endocrine Society (2012)
- Presidential Poster Presentation Award, American Society of Bone and Mineral Research (2011)
- Travel Grant, Endocrine Society (2011)
- Grace Lukose Memorial Medal for First position in Surgery, Lady Hardinge Medical College (2003)
- Acknowledgement for Proficiency in Physiology, Lady Hardinge Medical College (2000)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Pediatric Endocrine Society Practice Management Committee (2018 - present)
- Member, Pediatric Endocrine Society Bone and Mineral Special Interest Group (2017 - present)
- Board Certification, American Board of Pediatrics, Pediatric Endocrinology (2013 - present)
- Certified Clinical Densitometrist, ISCD (2012 - 2017)
- Member, American Society of Bone and Mineral Research (2010 - present)
- Board Certification, American Board of Pediatrics (2009 - present)
- Member, Pediatric Endocrine Society (2009 - present)

PROFESSIONAL EDUCATION

- Fellowship: Baylor College of Medicine (2012) TX
- Residency: SUNY Downstate Medical Center Pediatric Residency (2009) NY
- Internship: SUNY Downstate Medical Center Pediatric Residency (2007) NY
- Board Certification: Pediatric Endocrinology, American Board of Pediatrics (2013)
- Board Certification: Pediatrics, American Board of Pediatrics (2009)
- Fellowship, Baylor College of Medicine/Texas Children's Hospital , Pediatric Endocrinology (2012)
- Residency, SUNY Downstate School of Medicine , Pediatrics (2009)
- M.B.B.S., Lady Hardinge Medical College , Medical Education (2005)

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Pediatric Endocrinology (Fellowship Program)

Publications

PUBLICATIONS

- **Vertebral compression fractures in pediatric patients with intestinal failure: A prospective observational case series.** *Intestinal Failure (New York, N.Y.)*
Smith, A., Namjoshi, S. S., Bachrach, L. K., Grover, M., Hoyer, C., Dunn, J. C., Hanudel, M. R., Kinberg, S.
2024; 1: 100006
- **Invited Mini Review Metabolic Bone Disease of Prematurity: Overview and Practice Recommendations** *HORMONE RESEARCH IN PAEDIATRICS*
Grover, M., Ashraf, A. P., Bowden, S. A., Calabria, A., Diaz-Thomas, A., Krishnan, S., Miller, J. L., Robinson, M., DiMeglio, L. A.
2024
- **High Incidence of Vertebral Compression Fractures in Pediatric and Young Adult Patients receiving Heart Transplant**
Grover, M., Bachrach, L., Hollander, S.

KARGER.2023: 28-30

- **High Prevalence of Abnormal Hemoglobin A1c in the Adolescent and Young Adult Fontan Population.** *Pediatric cardiology*
Woo, J. P., Romfh, A., Levin, G., Norris, J., Han, J., Grover, M., Chen, S.
2023
- **Short Bones, Renal Stones, and Diagnostic Moans: Hypercalcemia in a Girl Found to Have Coffin-Lowry Syndrome.** *Journal of investigative medicine high impact case reports*
Tise, C. G., Matalon, D. R., Manning, M. A., Byers, H. M., Grover, M.
2022; 10: 23247096221101844
- **Closing Disparities in Pediatric Diabetes Telehealth Care: Lessons From Telehealth Necessity During the COVID-19 Pandemic.** *Clinical diabetes : a publication of the American Diabetes Association*
Prahallad, P., Leverenz, B., Freeman, A., Grover, M., Shah, S., Conrad, B., Morris, C., Stafford, D., Lee, T., Pageler, N., Maahs, D. M.
2022; 40 (2): 153-157
- **Short Bones, Renal Stones, and Diagnostic Moans: Hypercalcemia in a girl found to have Coffin-Lowry Syndrome**
Grover, M.
KARGER.2021: 24
- **Nitric oxide modulates bone anabolism through regulation of osteoblast glycolysis and differentiation.** *The Journal of clinical investigation*
Jin, Z., Kho, J., Dawson, B., Jiang, M., Chen-Evenson, Y., Ali, S., Burrage, L. C., Grover, M., Palmer, D. J., Turner, D. L., Ng, P., Nagamani, S. C., Lee, et al
2020
- **Anabolic effects of nitric oxide on osteoblast metabolism revealed by deficiency of argininosuccinate lyase**
Jin, Z., Kho, J., Dawson, B., Jiang, M., Chen Yuqing, Ali, S., Burrage, L., Grover, M., Palmer, D., Turner, D., Ng, P., Nagamani, S., Lee, B.
WILEY.2020: 19
- **Atraumatic vertebral fractures in two children with Autism Spectrum Disorder**
Grover, M., Bachrach, L.
KARGER.2020: 29
- **Advances in Diagnosis and Treatment of Pseudovitamin D Deficiency Rickets** *JOURNAL OF PEDIATRICS*
Grover, M., Maahs, D. M.
2020; 221: 200
- **Hypercalcemia in Children Using the Ketogenic Diet: A Multicenter Study.** *The Journal of clinical endocrinology and metabolism*
Hawkes, C. P., Roy, S. M., Dekelbab, B. n., Frazier, B. n., Grover, M. n., Haidet, J. n., Listman, J. n., Madsen, S. n., Roan, M. n., Rodd, C. n., Sopher, A. n., Tebben, P. n., Levine, et al
2020
- **50 Years Ago in TheJournalofPediatrics: Advances in Diagnosis and Treatment of Pseudovitamin D Deficiency Rickets.** *The Journal of pediatrics*
Grover, M. n., Maahs, D. M.
2020; 221: 200
- **High Incidence of electrolyte abnormalities despite low first dose of Zoledronic acid**
Grover, M., Bachrach, L.
WILEY.2019: 130
- **Argininosuccinate lyase deficiency as a model to study nitric oxide function in Bone**
Jin, Z., Kho, J., Dawson, B., Grover, M., Jiang, M., Chen, Y., Lee, B.
WILEY.2018: 44
- **Team Approach: Bone Health in Children and Adolescents.** *JBJS reviews*
Kraus, E., Bachrach, L. K., Grover, M.
2018
- **Treatment of Adolescent Osteoporosis** *A practical approach to adolescent bone health*
Grover, M., Bachrach, L.

2018

- **The Impact of Frequency and Tone of Parent-Youth Communication on Type 1 Diabetes Management.** *Diabetes therapy*
DeBoer, M. D., Valdez, R., Chernavvsky, D. R., Grover, M., Burt Solorzano, C., Herbert, K., Patek, S.
2017; 8 (3): 625-636
- **Osteoporosis in Children with Chronic Illnesses: Diagnosis, Monitoring, and Treatment.** *Current osteoporosis reports*
Grover, M. n., Bachrach, L. K.
2017
- **Case report: long-term follow-up of a 45,X male with SHOX haploinsufficiency.** *Journal of pediatric endocrinology & metabolism : JPEM*
Grover, M., French, S., Yazdani, P.
2015; 28 (7-8): 937-41
- **Losartan increases bone mass and accelerates chondrocyte hypertrophy in developing skeleton** *MOLECULAR GENETICS AND METABOLISM*
Chen, S., Grover, M., Sibai, T., Black, J., Rianon, N., Rajagopal, A., Munivez, E., Bertin, T., Dawson, B., Chen, Y., Jiang, M., Lee, B., Yang, et al
2015; 115 (1): 53-60
- **SERPINF1 as a Cause of Osteogenesis Imperfecta Type VI** *OSTEOGENESIS IMPERFECTA: A TRANSLATIONAL APPROACH TO BRITTLE BONE DISEASE*
Joeng, K., Grover, M., Rajagopal, A., Lee, B. H.
edited by Shapiro
2014: 167–72
- **Osteogenesis Imperfecta Without Features of Type V Caused by a Mutation in the IFITM5 Gene** *JOURNAL OF BONE AND MINERAL RESEARCH*
Grover, M., Campeau, P. M., Lietman, C. D., Lu, J. T., Gibbs, R. A., Schlesinger, A. E., Lee, B. H.
2013; 28 (11): 2333-2337
- **Next-generation sequencing for disorders of low and high bone mineral density** *OSTEOPOROSIS INTERNATIONAL*
Sule, G., Campeau, P. M., Zhang, V. W., Nagamani, S. C., Dawson, B. C., Grover, M., Bacino, C. A., Sutton, V. R., Brunetti-Pierri, N., Lu, J. T., Lemire, E., Gibbs, R. A., Cohn, et al
2013; 24 (8): 2253-2259
- **Phenotypic Variability of Osteogenesis Imperfecta Type V Caused by an IFITM5 Mutation** *JOURNAL OF BONE AND MINERAL RESEARCH*
Shapiro, J. R., Lietman, C., Grover, M., Lu, J. T., Nagamani, S. C., Dawson, B. C., Baldrige, D. M., Bainbridge, M. N., Cohn, D. H., Blazo, M., Roberts, T. T., Brennen, F., Wu, et al
2013; 28 (7): 1523-1530
- **WNT1 Mutations in Early-Onset Osteoporosis and Osteogenesis Imperfecta** *NEW ENGLAND JOURNAL OF MEDICINE*
Laine, C. M., Joeng, K. S., Campeau, P. M., Kiviranta, R., Tarkkonen, K., Grover, M., Lu, J. T., Pekkinen, M., Wessman, M., Heino, T. J., Nieminen-Pihala, V., Aronen, M., Laine, et al
2013; 368 (19): 1809-1816
- **Human fetal and neonatal bone development** *Primer on Metabolic Bone Diseases and Disorders of Mineral Metabolism*
Yang, T., Grover, M., Joeng, K. S., Lee, B.
2013
- **Assessment of Bone Mineral Status in Children With Marfan Syndrome** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*
Grover, M., Brunetti-Pierri, N., Belmont, J., Phan, K., Tran, A., Shypailo, R. J., Ellis, K. J., Lee, B. H.
2012; 158A (9): 2221-2224
- **Decreased bone mineralization in children with Noonan syndrome: another consequence of dysregulated RAS MAPKinase pathway?** *Molecular genetics and metabolism*
Choudhry, K. S., Grover, M., Tran, A. A., O'Brian Smith, E., Ellis, K. J., Lee, B. H.
2012; 106 (2): 237-240
- **Autoimmune polyglandular syndrome Type 3 and growth hormone deficiency** *PEDIATRIC DIABETES*
Quintos, J. B., Grover, M., Boney, C. M., Salas, M.
2010; 11 (6): 438-442