



Giacomo Balla (Italian, 1871–1958). *Bambina Che Corre sul Balcone*. 1912. Photo credit: Scala/Art Resource, NY. Galleria d' Arte Moderna, Milan, Italy. Credit: © 2007 Artists Rights Society (ARS), New York / SAIE, Rome.

In the early 1900s, the Futurist painter Balla was inspired by chronophotography—the study of movement on film through a combination of continuous and intermittent exposures—which was practiced by Eadweard Muybridge and other 19th century photographers whose work is familiar to many physical therapists. Here, Balla used pointillism in depicting the dynamic, sequential leg movements of a girl running along a balcony. The canvas seems to be the lens of a camera as she bursts into, then out of, frame.

## Research Reports

- 248 ● **Ambulatory Physical Activity Performance in Youth With Cerebral Palsy and Youth Who Are Developing Typically** / Kristie F Bjornson, Basia Belza, Deborah Kartin, Rebecca Logsdon, John F McLaughlin
- 257 **Invited Commentary** / Shelly Goodgold
- 259 **Author Response**
- 261 **Administration and Management Skills Needed by Physical Therapist Graduates in 2010: A National Survey** / D Sue Schafer, Rosalie B Lopopolo, Kathleen A Luedtke-Hoffmann
- 282 ● **Determinants of Satisfaction With Community Reintegration in Older Adults With Chronic Stroke: Role of Balance Self-Efficacy** / Marco YC Pang, Janice J Eng, William C Miller
- 292 ● **Training-Induced Strength and Functional Adaptations After Hip Fracture** / Helen H Host, David R Sinacore, Kathryn L Bohnert, Karen Steger-May, Marybeth Brown, Ellen F Binder
- 304 ● **A Pilot Study of the Effects of High-Intensity Aerobic Exercise Versus Passive Interventions on Pain, Disability, Psychological Strain, and Serum Cortisol Concentrations in People With Chronic Low Back Pain** / Dimitris Chatzitheodorou, Chris Kabitsis, Paraskevi Malliou, Vassilis Mougios

Research Reports with ● are accompanied by special content online, such as The Bottom Line clinical summary, at [www.ptjournal.org](http://www.ptjournal.org).

- 313 ● **Arthrokinematics in a Subgroup of Patients Likely to Benefit From a Lumbar Stabilization Exercise Program** / Deydre S Teyhen, Timothy W Flynn, John D Childs, Lawrence D Abraham
- 326 ● **Deficits in Surface Force Production During Seated Reaching in People After Stroke** / Darcy S Reisman, John P Scholz
- 337 ● **Hop Testing Provides a Reliable and Valid Outcome Measure During Rehabilitation After Anterior Cruciate Ligament Reconstruction** / Andrea Reid, Trevor B Birmingham, Paul W Stratford, Greg K Alcock, J Robert Giffin

## Reviews

---

- 351 **Diabetic Information for Teens: Health Tips about Managing Diabetes and Preventing Related Complications**
- 352 **Stroke**
- 353 **Handbook of Pediatric Obesity: Clinical Management**

## Departments

- 355 **Scholarships, Fellowships, and Grants**  
*News from the Foundation for Physical Therapy*
- 359 **Product News**
- 360 **Ad Index**

## Association Business

- 357 **In Memoriam**
- 358 **APTA Ethics and Judicial Committee Disciplinary Actions**