

Chap. 11 How do we treat you if you have low testosterone.

- Abbasi, Adil, Edmund H. Duthie, Jr., Louis Sheldahl, Charles Wilson, Edward Sasse, Inge Rudman, and Dale E. Mattson. "Association of Dehydroepiandrosterone Sulfate, Body Composition, and Physical Fitness in Independent Community-Dwelling Older Men and Women." *JAGS* **46**(1998):263-273.
- Amory, John K., Nelson B. Watts, Kirk A. Easley, Paul R. Sutton, Bradley D. Anawalt, Alvin M. Matsumoto, William J. Bremner, and J. Lisa Tenover. "Exogenous Testosterone or Testosterone with Finasteride Increases Bone Mineral Density in Older Men with Low Serum Testosterone." *The Journal of Clinical Endocrinology and Metabolism* **89**(2)(2004):503-510. doi: 10.1210/jc.2003-031110
- "Androgel". *The Medical Letter* **42**(Issue 1080)(June 12, 2000):49-50.
- Arver, Stefan, Adrian S. Dobs, A. Wayne Meikle, Kim E. Caramelli, Lakshminaryan Rajaram, Steven W. Sanders and Norman A. Mazer. "Long-term efficacy and safety of a permeation-enhanced testosterone transdermal system in hypogonadal men." *Clinical Endocrinology* **47**(1997): 727-737.
- Arver, S., A. S. Dobs, A. W. Meikle, R. P. Allen, S. W. Sanders and N. A. Mazer. "Improvement of Sexual Function in Testosterone Deficient Men Treated for 1 Year with a Permeation Enhanced Testosterone Transdermal System." *The Journal of Urology* **155**(May 1996): 1604-1608.
- Ba, Zheng F., Ping Wang, Joachim F. Kuebler, Loring W. Rue III, Kirby I. Bland, Irshad H. Chaudry. "Flutamide Induces Relaxation in Large and Small Blood Vessels." *Archives of Surgery* **137**, No. 10(October 2002): 1180-1186.
- Bardin, C. Wayne, Ronald S. Swerdloff, and Richard J. Santen. "Androgens: Risks and Benefits." *Journal of Clinical Endocrinology and Metabolism* **73**, No. 1(1991):4-7.

- Basaria, Shehzad and Adrian S. Dobs. "Risks Versus Benefits of Testosterone Therapy in Elderly Men." *Drugs & Aging* **15**(2)(1999): 131-142.
- Behre, Hermann M., Sigrid van Eckardstein, Sabine Kliesch and Eberhard Nieschlag. "Long-term substitution therapy of hypogonadal men with transscrotal testosterone over 7-10 years." *Clinical Endocrinology* **50**(1999): 629-635.
- Bergendahl, Matti, Joseph A. Aloji, Ali Iranmanesh, Thomas M. Mulligan, and Johannes D. Veldhuis. "Fasting Suppresses Pulsatile Luteinizing Hormone (LH) Secretion and Enhances Orderliness of LH Release in Young but Not Older Men\*" *Journal of Clinical Endocrinology and Metabolism* **83**, No. 6(1998):1967-1975.
- Bernstein, Leslie, Rosemarie Hanisch, Jane Sullivan-Halley, and Ronald K. Ross. "Treatment with Human Chorionic Gonadotropin and Risk of Breast Cancer." *Cancer Epidemiology, Biomarkers & Prevention* **4**(July/August 1995):437-440.
- Bhasin, Shalender. "The Brave New World of Function-Promoting Anabolic Therapies: Testosterone and Frailty." *J Clin Endocrinol Metab* **95**(2)(February 2010):509-511.
- Blackman, Marc R., John D. Sorkin, Thomas Münzer, Michele F. Bellantoni, Jan Busby-Whitehead, Thomas E. Stevens, Jocelyn Jayme, Kieran G. O'Connor, Colleen Christmas, Jordan D. Tobin, Kerry J. Steward, Ernest Cottrell, Carol St. Clair, Katharine M. Pabst, S. Mitchell Harman. "Growth Hormone and Sex Steroid Administration in Healthy Aged Women and Men." *JAMA* **288**, No. 18(November 13, 2002): 2282-2292.
- Borst, Stephen E., Christine F. Conover, Christy S. Carter, Chris M. Gregory, Emanuele Marzetti, Christiaan Leeuwenburgh, Krista Vandeborne, and Thomas J. Wronski. "Anabolic effects of testosterone are preserved during inhibition of 5 $\alpha$ -reductase." *Am J Physiol Endocrinol Metab* **293**(2007): E507-E514. doi: 10.1152/ajpendo.00130.2007

- Borst, Stephen E., Jun Hak Lee, and Christine F. Conover. "Inhibition of 5 $\alpha$ -reductase blocks prostate effects of testosterone without blocking anabolic effects." *Am J Physiol Endocrinol Metab* **288**(2005): E222-E227. doi:10.1152/ajpendo.00305.2004
- Braunstein, G. D. "Aromatase and gynecomastia." *Endocrine-Related Cancer* **6**(1999): 315-324.
- Buffington, Cynthia K. "DHEA: Elixir of Youth or Mirror of Age?" *JAGS* **46**(1998): 391-392.
- Burnette-Bowie, Sherri-Ann, Kristen C. Roupenian, Melissa E. Dere, Hang Lee and Benjamin Z. Leder. "Effects of aromatase inhibition in hypogonadal older men: a randomized, double-blind, placebo-controlled trial." *Clinical Endocrinology* **70**(2009): 116-123.
- Carani, Cesare, Kenan Qin, Manuela Simoni, Marco Faustini-Fustini, Stefania Serpente, Jeff Boyd, Kenneth S. Korach, and Evan R. Simpson. "Effect of Testosterone and Estradiol in a Man with Aromatase Deficiency." *The New England Journal of Medicine* **337**, Number 2(July 10, 1997): 91-95.
- Congeni, Joseph, Stephen Miller. "Supplements and drugs used to enhance athletic performance." *The Pediatric Clinics of North America* **49**(2002): 435-461.
- Coviello, Andrea D., Alvin M. Matsumoto, William J. Bremner, Karen L. Herbst, John K. Amory, Bradley D. Anawalt, Paul R. Sutton, William W. Wright, Terry R. Brown, Xiaohua Yan, Barry R. Zirkin and Jonathan P. Jarow. "Low-Dose Human Chorionic Gonadotropin Maintains Intratesticular Testosterone in Normal Men with Testosterone-Induced Gonadotropin Suppression." *Journal of Clinical Endocrinology & Metabolism* **90**, No. 5(2005):2595-2602. doi:10.1210/jc.2004-0802
- Crawford, Bronwyn A. L., Peter Y. Liu, Mary T. Kean, Jane F. Bleasel, David J. Handelsman. "Randomized Placebo-Controlled Trial of Androgen Effects on Muscle and Bone in Men Requiring Long-Term Systemic Glucocorticoid Treatment." *Journal of Clinical Endocrinology and Metabolism* **88**, Issue 7(July 2003): 3167-3176.

- De la Cruz, Luis, Javier Romero-Vazquez, Manuel Jiménez-Sáenz, Jose Ramon Armas Padron, Juan Manuel Herrerias. "Severe acute hepatitis in a patient treated with anastrozole." *The Lancet* **369**(January 6, 2007): 23-24.
- Dean, John D., Christina Carnegie, John Rodzvilla, Jr., Ted Smith. "Long-Term Effects of Testim® 1% Testosterone Gel in Hypogonadal Men." *Reviews in Urology* **6**, suppl. 6(2004): 522-529.
- Dow, MG, J. Gallagher. "A controlled study of combined hormonal and psychological treatment for sexual unresponsiveness in women." *British Journal of Clinical Psychology* **28**(Pt 3)(1989 Sep.): 201-212.
- Eicheler, Wolfgang, Pentti Tuohimaa, Pekka Vilja, Knut Adermann, Wolf-Georg Forssmann, and Gerhard Aumüller. "Immunocytochemical Localization of Human 5 $\alpha$ -Reductase 2 with Polyclonal Antibodies in Androgen Target and Non-target Human Tissues." *The Journal of Histochemistry and Cytochemistry* **42**, No. 5(1994): 667-675.
- Elbers, J. M. H., H. Asscheman, J. C. Seidell, and L. J. G. Gooren. "Effects of sex steroid hormones on regional fat depots as assessed by magnetic resonance imaging in transsexuals." *Am J Physiol Endocrinol Metab* **276**(1999): 317-325.
- Feldman, Henry A., Catherine B. Johannes, Andre B. Araujo, Beth A. Mohr, Christopher Longcope, and John B. McKinlay. "Low Dehydroepiandrosterone and Ischemic Heart Disease in Middle-aged Men; Prospective Results from the Massachusetts Male Aging Study." *American Journal of Epidemiology* **153**, No. 1 (2001):1-11.
- Feldman, Henry A., Catherine B. Johannes, Andre . Araujo, Beth A. Mohr, Christopher Longcope, and John B. McKinlay. "Low Dehydroepiandrosterone and Ischemic Heart Disease in Middle-aged Men: Prospective Results from the Massachusetts Male Aging Study." *American Journal o Epidemiology* **183**, No. 1: 1-11.
- Feldman, Henry A, Catherine B. Johhannes, John B. McKinlay and Christopher Longcope. "Low Dehydroepiandrosterone Sulfate and Heart Disease in Middle-Aged Men: Cross-Sectional Results from the

- Massachusetts Male Aging Study.” *Ann Epidemiol* **8**(4)(May 1998):217-228.
- Flaherty, Mary Pat and Gilbert M Gaul. “Salesman Fell Into a Shadow Market.” *Washington Post*, October 19, 2003, A17.
- Fox-Wheeler, Sarah, Linda Heller, Cathleen M. Salata, Francine Kaufman, M. Louisa Loro, Vincente Gilsanz, Michael Haight, Gwenn C. Umman, Norman Barton, and Joseph A. Church. “Evaluation of the Effects of Oxandrolone on Malnourished HIV-Positive Pediatric Patients.” *Pediatrics* **104**, No. 6(December 1999): 1378-1379. e73 electronic abstracts <http://www.pediatrics.org>
- Franco, Celina, Josef Korany, John Brandberg, Lars Lönn, Bengt-Aka Bengtsson, Johan Svensson and Gudmundur Johannsson. “The reduction in visceral fat mass in response to growth hormone is more marked in men than in oestrogen-deficient women.” *Growth Hormone & IGF Research*, article in press, Received 14 January 2008, revised 4 July 2008, accepted 11 July 2008. Available online 26 August 2008. DOI: 10. 1016/j.ghir.2008.07.001
- Fryburg, David A., Arthur Weltman, Linda A. Jahn, Judy Y. Weltman, Eugene Samojlik, Raymond L. Hintz and Johannes D. Veldhuis. “Short-Term Modulation of the Androgen Milieu Alters Pulsatile, But Not Exercise- or Growth Hormone (GH)-Releasing Hormone-Stimulated GH Secretion in Healthy Men: Impact of Gonadal Steroid and GH Secretory Changes on Metabolic Outcomes.” *Journal of Clinical Endocrinology & Metabolism* **82**, No. 11: 3710-3719.
- Genazzani, A. R., S. Inglese, I. Lombardi, M. Pieri, F. Bernardi, A. D. Genazzani, L. Rovati, M. Luisi. “Long-term low-dose dehydroepiandrosterone replacement therapy in aging males with partial androgen deficiency.” *Aging Male* **7**(2)(2004 Jun.): 133-143.
- Gooren, Louis J. G. “A Ten-Year Safety Study of the Oral Androgen Testosterone Undecanoate.” *Journal of Andrology* **15**, No.3(May/June 1994): 212-215.
- Gordon, George G., Thomas L. Kenyon, Julie H. Ketover, and Eliss J. Taub. “Recent Pharmaceutical Industry Cases Raising Intellectual Property-

- Antitrust Issues.” Submitted for Antitrust Enforcement: Cutting Edge Lessons from the Pharmaceutical Industry. Spring Meeting 2003 of the American Bar Association, Section of Antitrust Law.  
[http://www.martindale.com/intellectual-property-law/article\\_Deichert-LLP\\_9374.htm](http://www.martindale.com/intellectual-property-law/article_Deichert-LLP_9374.htm) (Accessed 5/25/2010)
- Green, Lanh, Diane K. Wysowski, Jean L. Fourcroy. “Gynecomastosa and Breast Cancer during Finasteride Therapy.” *The New England Journal of Medicine* **335**, No. 11: 823.
- Gregoriadis, Linus. “‘Sex mania’ man wins payout over medication claim.” *The Guardian* Thursday July 19, 2001.  
<http://www.guardian.co.uk/Print/0,3858,4224246,00.html> (Accessed 5/24/2010)
- Grober ED, M. Khera, SD Soni, MG Espinoza, and LI Lipshultz. “Efficacy of changing testosterone gel preparations (Androgel or Testim) among suboptimally responsive hypogonadal men.” *International Journal of Impotence Research* 2007:1-5.
- Handelsman, David J., Mary-Anne Mackey, Chris Howe, Leo Turner and Ann J. Conway. “An analysis of testosterone implants for androgen replacement therapy.” *Clinical Endocrinology* **47**(1997): 311-316.
- Handelsman, David J. “Androgen Delivery Systems: Testosterone Pellet Implants.” in *Pharmacology, Biology, and Clinical Applications of Androgens* edited by Shalender Bhasin et al., New York: Wiley-Liss., 1996.
- Haren, Matthew, Ian Chapman, Penelope Coates, John Morley, Gary Witter. “Effect of 12 month oral testosterone on testosterone deficiency symptoms in symptomatic elderly males with low-normal gonadal status.” *Age and Ageing* **34**, No. 2(2005):125-130.  
 doi:10.1093/ageing/afl003
- Harman, S. M. and P. D. Tsitouras. “Reproductive Hormones in Aging Men. I. Measurement of Sex Steroids, Basal Luteinizing Hormones, and Leydig Cell Response to Human Chorionic Gonadotropin.” *Journal of Clinical Endocrinology and Metabolism* **51**, No. 1(1980): 35-40.

“How a statin might destroy a drug company.” *The Lancet* **361**(March 8, 2003): 793.

Jones, Margaret E. E. Anne W. Thorburn, Kara L. Britt, Kylie N. Hewitt, Nigel G. Wreford, Joseph Proietto, Orhan K. OZ, Brian J. Leury, Kirsten M. Robertson, Shenggen Yao, and Evan R. Simpson. “Aromatase-deficient (ArKO) mice have a phenotype of increased adiposity.” *PNAS* **97**, no. 23(November 7, 2000): 12735-12740.

Kelleher, S., C. Howe, A. J. Conway and D. J. Handelsman. “Testosterone release rate and duration of action of testosterone pellet implants.” *Clinical Endocrinology* **60**(2004): 420-428.

King, Douglas S., Rick L. Sharp, Matthew D. Vukovich, Gregory A. Brown, Tracy A. Reifenrath, Nathaniel L Uhl, Kerry A. Parsons. “Effect of Oral Androstenedione on Serum Testosterone and Adaptations to Resistance Training in Young Men: A Randomized Controlled Trial.” *JAMA* **281**, No. 21(June 2, 1999):2020-2028.

Ko, Dennis T., Patricia R. Hebert, Christopher S. Coffey, Artyom Sedrakyan, Jeptha P. Curtis, Harlan M. Krumholz. “ $\beta$ -Blocker Therapy and Symptoms of Depression, Fatigue, and Sexual Dysfunction.” *JAMA* **288**, No. 3(July 17, 2002): 351357.

Kunelius, Pekka, Olavi Lukkarinen, Minna L. Hannuksela, Outi Itkonen, and Juha S. Tapanainen. “The Effects of Transdermal Dihydrotestosterone in the Aging Male: A Prospective, Randomized, Double Blind Study.” *The Journal of Clinical Endocrinology & Metabolism* **87**(4)(2002): 1467-1472.

Labrie, F., V. Luu-The, A. Bélanger, S-X Lin, J. Simard, G. Pelletier and C. Labrie. “Is dehydroepiandrosterone a hormone?.” *Journal of Endocrinology* **187**(2005):169-196. DOI: 10.1677/joe.1L

Labrie, Fernand, Alain Bélanger, Lionel Cusin and Bernard Candas. “Physiological Changes in Dehydroepiandrosterone Are Not Reflected by Serum Levels of Active Androgens and Estrogens But of Their Metabolites: Intracrinology.” *Journal of Clinical Endocrinology and Metabolism* **82**, No. 8(1997): 2403-2409.

- Larsson, Susanna C, Alicja Wolk. "Excess body fatness: an important cause of most cancers." *The Lancet* **371**(February 16, 2008): 536-537.
- Leder, BZ, JL Rohrer, SD Rubin, J Gallo, C. Longcope. "Effects of aromatase inhibition in elderly men with low or borderline-low serum testosterone levels." *J. Clin Endocrinology Metab* **89**(3)(2004 Mar.): 1174-1180.
- Liu, Peter Y., Susan M. Wishart, and David J. Handelsman. "A Double-Blind, Placebo-Controlled, Randomized Clinical Trial of Recombinant Human Chorionic Gonadotropin on Muscle Strength and Physical Function and Activity in Older Men with Partial Age-Related Androgen Deficiency." *The Journal of Clinical Endocrinology & Metabolism* **87**(7)(2002):3125-3135.
- Lombardi, G., C. DiSomma, F. Rota, and A. A. Colao. "Associated hormonal decline in aging: Is there a role for GH therapy in Aging men?" *J. Endocrinol. Invest* **28**(Suppl. To no.3)(2005):99-108.
- Maffei, Laura, Yoko Murata, Vincenzo Rochira, Gloria Tubert, Claudio Aranda, Marcela Vazquez, Colin D. Clyne, Susan Davis, Evan R. Simpson, and Cesare Carani. "Dysmetabolic Syndrome in a Man with a Novel Mutation of the Aromatase Gene: Effects of Testosterone, Alendronate, and Estradiol Treatment." *The journal of Clinical Endocrinology & Metabolism* **89**(1)(2004): 61-70
- Magkos, Faidon and Stavros A. Kavouras. "Caffeine and Ephedrine Physiological, Metabolic and Performance-Enhancing Effects." *Sports Med* **34**(13)(2004): 871-889.
- Makimura, Hideo, Takara Stanley, David Mun, Sung Min You and Steven Grinspoon. "The Effects of Central Adiposity on Growth Hormone Response to GHRH-Arginine Stimulation Testing in Men." *J Clin Endocrin Metab* **93**, No. 11(2008):4254-4260. First published September 2, 2008 as DOI:10.121/jc.2008-133
- Malkin, C., P. Pugh,, J. West, et al. "Testosterone therapy in men with moderate severity heart failure: a double blind randomized placebo controlled trail." *Euro Heart Journal* **27**(1)(Jan 2006): 57-64.

Marbury, T. E. Hamil, R. Bachand, T. Sebree and T. Smith. "Evaluation of the Pharmacokinetic Profiles of the New Testosterone Topical Gel Formulation, Testim™ Compared to AndroGel®". Preprint of article Accepted 13 October 2002. *Biopharmaceutics and Drug Disposition* **24**(2003): 113-120.

Marks, Leonard S., Norman A. Mazer, Elahe Mostaghel; et al." Effect of Testosterone Replacement Therapy on Prostate Tissue in Men With Late-Onset Hypogonadism: A Randomized Controlled Trial." *JAMA* **296**(19)(2006):2351-2361. doi:10.1001/jama.296.19.2351

Martorana, Guiseppe, Sergio Concetti, Fabio Manferrari and Stefano Creti. "Anabolic Steroid Abuse and Renal Cell Carcinoma." *The Journal of Urology* **162**(1999): 2089.

Mason, Roger. *The Natural Prostate Cure: a practical guide to using diet and supplements for a healthy prostate*. Sheffield, MA.: Safe Goods Publishing, 2003.

Mauras, Nelly. Letters to the editor. [Re: Aromatase Inhibitors in Pubertal Boys: Clinical Implications.] *JCE & M* **86**, No. 4(2001): 1836.

McClellan, Karen J. and Karen L. Goa. "Transdermal Testosterone." *Drugs* **55**(2)(1998 Feb): 253-258.

Meikle, A. Wayne, Stefan Arver, Adrian S. Dobs, Steven W. Sanders, and Norman A. Mazer "Androderm™: A Permeation Enhanced Non-Scrotal Testosterone Transdermal System for the Treatment of Male Hypogonadism." In *Pharmacology, Biology, and Clinical Applications of Androgens*, ed. Shalender Bhasin et al., 449-457, New York: Wiley-Liss, Inc., 1996.

Meikle, A. Wayne, Norman A. Mazer, John F. Moellmer, John D. Stringham, Keith G. Tolman, Stephen W. Sanders, and William D. Odell. "Enhanced Transdermal Delivery of Testosterone across Nonscrotal Skin Produces Physiological Concentrations of

- Testosterone and Its Metabolites in Hypogonadal Men\*.” *Journal of Clinical Endocrinology and Metabolism* **74**(1992): 623-628.
- Meikle, AW, S Arver, AS Dobs, SW Sanders, Rajaram, and NA Mazer. “Pharmacokinetics and metabolism of a permeation-enhanced testosterone transdermal system in hypogonadal men: influence of application site—a clinical research center study.” *J Clin Endocrinol Metab* **81**, No 5(1996): 1832-1840. doi:10.1210/jc.81.5.1832
- Misso, Marie L., Yoko Murata, Wah Chin Boon, , Margaret E. E. Jones, Kara L. Britt, and Evan R. Simpson. “Cellular and Molecular Characterization of the Adipose Phenotype of the Aromatase-Deficient Mouse.” *Endocrinology* **144**(4)(2003): 1474-1480.
- Morales, Alvaro, John E. Morley, Jeremy P. W. Heaton. “Aging Male”. Tuesday, May 28, 2002. 97<sup>th</sup> Annual Meeting American Urological Association, Inc., May 25-30, 2002, Orlando, FL
- Morales, Alvero, Angela Black, Laurel Emerson, Jack Barkin, Irwin Kuzmarov, Andrew Day. “Androgens and Sexual Function: A Placebo-controlled, Randomized, Double-blind Study of Testosterone vs. Dehydroepiandrosterone in Men with Sexual Dysfunction and Androgen Deficiency.” *Aging Male* **12**(4)(Dec 2009):104-112.
- Morales, Arlene J., John J. Nolan, Jerald C. Nelson, and Samuel S. C. Yen. “Effects of Replacement Dose of Dehydroepiandrosterone in Men and Women of Advancing Age\*.” *Journal of Clinical Endocrinology and Metabolism* **78**, No. 6(1994): 1360-1367.
- Morishima, Akira, Melvin M. Grumbach, Evan R. Simpson, Carolyn Fisher, Kenan Qin. “Aromatase Deficiency in Male and Female Siblings Caused by a Novel Mutation and the Physiological Role of Estrogens.” *Journal of Clinical Endocrinology and Metabolism* **80**, Issue 12(December 1995): 3689-3698.
- Mulligan, Kathleen, Viva W. Tai, and Morris Schambelan. “Effects of Chronic Growth Hormone Treatment on Energy Intake and Resting Energy Metabolism in Patients with Human Immunodeficiency Virus-Associated Wasting—A Clinical Research Center Study\*.” **83**, No. 5(1998):1542-1547.

- Mulligan, Kathleen, Robert Zackin, Jamie H. Von Roenn, Margaret A. Chesney, Merrill J. Egorin, Fred R. Sattler, Constance A. Benson, Tun Liu, Trün Umbleja, Sharon Shriver, Richard J. Auchus, and Morris Schambelan. "Testosterone Supplementation of Megestrol Therapy Does Not Enhance Lean Tissue Accrual in Men with Human Immunodeficiency Virus-Associated Weight Loss: A Randomized, Double-Blind, Placebo-Controlled Multicenter Trial." *The Journal of Clinical Endocrinology & Metabolism* **92**(2):563-570.
- Muniyappa, Ranganath, John D. Sorkin, Johannes D. Veldhuis, S. Mitchell Harman, Thomas Münzer, Shalender Bhasin, and Marc R. Blackman. "Long-term testosterone supplementation augments overnight growth hormone secretion in healthy older men." *Am J Physiol Endocrinol Metab* **193**(2007):E769-E775. doi:10.1152/ajpendo.00709.2006
- Nair, K. Sreekumaran, Robert A. Rizza, Peter O'Brien, Ketan Dhatariya, Kevin R. Short, Ajay Nehra, Janet L. Vittone, George G. Klee, Ananda Basu, Rita Basu, Claudio Cobelli, Gianna Toffolo, Chiara Dalla Man, Donald J. Tindall, L. Joseph Melton III, Glenn E. Smith, Sundeep Khosla, and Michael D. Jensen. "DHEA in Elderly Women and DHEA or Testosterone in Elderly Men." *The New England Journal of Medicine* **355**, no. 16(October 19, 2006): 1647-1659.
- Nieschlag, E. and H. M. Behre. "Testosterone Therapy."
- Oster, Michelle H., Sheila R. Enders, Steven J. Samuels, Lawrence A. Cone, Thomas M. Hooton, Henry P. Browder and Neil M. Flynn. "Megestrol Acetate in Patients with AIDS and Cachexia." *Annals of Internal Medicine* 121, no.6(September 15, 1994):400-408.
- Ottosson, Malin, Kerstin Vikman-Adolfsson, Sven Enerback, Anna Elander, Per Bjorntorp, and Staffan Eden. "Growth Hormone Inhibits Lipoprotein Lipase Activity in Human Adipose Tissue\*." *Journal of Clinical Endocrinology and Metabolism* **80**, No.3: 936-941.
- Pechersky, A. V., V. I. Mazurov, V. F. Semiglazov, A. I. Karpischenko, V. V. Mikhailichenko and A. V. Udintsev. "Androgen administration in middle-aged and ageing men: dihydrotestosterone, oestradiol and

- prostate volumn.” *International journal of andrology* **25**(2002):119-125.
- “Pharmaceutical Roulette |A Vast Unregulated Shadow Market.”  
Washington Post, October 19, 2003, A15.
- Pitha, J., EJ Anaissie, K. Uekama “Gamma-Cyclodextrin: testosterone complex suitable for sublingual administration.” *Journal of Pharmaceutical Sciences* **76**(10)(1987 Oct.): 788-90.
- Pitha, J. SM Harman, ME Michel. “Hydrophilic cyclodextrin derivatives enable effective oral administration of steroidal hormones.” *Journal of Pharmaceutical Sciences* **75**(2)(1986 Feb.): 165-167.
- Pugh, P, TH Jones, KS Channer. “Acute haemodynamic effects of testosterone in men with chronic heart failure.” *Euro Heart Journal* **24**(2003): 909-915.
- Razvi, Kash, John P. Hampson and John N. Harvey. “Do Lipid-lowering drugs cause erectile dysfunction? A systematic review. *Family Practice* **19**, No. 1(2002): 95-98.
- Rochira, Lucia Zirilli, Alessandro D. Genazzani, Antonio Balestrieri, Claudio Aranda, Bibiana Fabre, Paula Antunez, Chiara Diazzi, Cesare Carani and Laura Mafei. “Hypothalamic-pituitary-gonadal axis in two men with aromatase deficiency: evidence that circulating estrogens are required at the hypothalamic level for the integrity of gonadotropin negative feedback.” *European Journal of Endocrinology* **155**(2006): 513-522.
- Rochira, Vincenzo. Letters to the editor. [Re: Aromatase Inhibitors in Pubertal Boys: Clinical Implications.] *JCE & M.* **86**, No. 4(2001): 1836-1837.
- Saad, Farid, Louis J. Gooren, Ahmad Haider and Aksam Yassin. “A Dose-Response Study of Tetosterone on Sexual Dysfunction and Features of the Metabolic Syndrome Using Testosterone Gel and Parenteral Testosterone Undecanoate.” *Journal of Andrology* **29**, No. 1, January/February 2008: 102-105.

Savine, Richard, Peter Sönksen. "Growth Hormone–Hormone Replacement for the Somatophase?" *Hormone Research* **53**(Suppl 3)(2000): 37-41

Schambelin, Morris, Kathleen Mulligan, Carl Grunfeld, Eric S. Daar, Anthony LaMarca, Donald P. Kotler, Jack Wang, Samuel A. Bozzette, and James B. Breitmeyer. "Recombinant Human Growth Hormone in Patients with HIV-Associated Wasting A Randomized, Placebo-Controlled Trial." *Annals of Internal Medicine* **125**, Issue 11(1December 1996): 873-882.

Shi YF, Xiang HD, Wu, QY.[Effect of testosterone preparations on the function of the hypothalamic pituitary axis in Klinefelter's syndrome.][Chinese] *Chung-Hua Nei Ko Tsa Chih Chinese Journal of Internal Medicine* **28**(5)(1989 May): 290-294, 315.

Shippen, Eugene R., and William J. West, Jr. "Successful treatment of severe endometriosis in two premenopausal women with an aromatase inhibitor." *Fertility and Sterility* **81**, NO. 5(May 2004)

Skakkebaek, N. E., J. Bancroft, D. W. Davidson and Pamela Warner. "Androgen Replacement With Oral Testosterone Undecanoate in Hypogonadal Men: A Double Blind Controlled Study." *Clinical Endocrinology* **14**(1981): 49-61.

Smith, Eric P., Jeff Boyd, Graeme R. Frank, Hiroyuki Takahashi, Robert M. Cohen, Bonny Specker, Timothy C. Williams, Dennis B. Lubahn. "Estrogen Resistance Caused by a Mutation in the Estrogen-Receptor Gene in a Man." *The New England Journal of Medicine* **331**, Number 16(October 20, 1994): 1056-1061. A correction has been published: *N Engl J Med* 1995;332(2):131.

Srinivas-Shankar, Upendram, Stephen A. Roberts, Martin J. Connolly, Matthew D. L. O'Connell, Judith E. Adams, Jackie A. Oldham, and Frederick C. W. Wu. "Effects of Testosterone on Muscle Strength, Physical Function, Body Composition, and Quality of Life in Intermediate-Frail and Frail Elderly Men: A Randomized, Double-Blind, Placebo-Controlled Study." *J Clin Endocrinol Metab* **95**(2)(February 2010): 639-650.

- Stanhope, Richard. Commentary: "Use of a specific aromatase inhibitor in delayed puberty." *The Lancet* **357**(June 2, 2001): 1723.
- Stuenkel, CA, RE Dudley, SS Yen. "Sublingual administration of testosterone-hydroxypropyl-beta-cyclodextrin inclusion complex simulates episodic androgen release in hypogonadal men." *Journal of Clinical Endocrinology & Metabolism* **72**(5)(1991 May): 1054-1059.
- Sturmi, James E., Douglas J. Diorio. "Anabolic Agents." *Clinics in Sports Medicine* **17**, Issue 2(April 1998): 261-282.
- Swerdloff, Ronald S., Christina Wang. "Dihydrotestosterone:: a rationale for its use as a non-aromatizable androgen replacement therapeutic agent." *Baillière's Clinical Endocrinology and Metabolism* **12**, No. 3(October 1998): 501-505.
- Taylor, GT, J. Weiss, J. Pitha. "Testosterone in a cyclodextrin-containing formulation: behavioral and physiological effects of episode-like pulses in rats." *Pharmaceutical Research* **6**(7)(1989 Jul): 641-646.
- Tenover, Joyce S. and William J. Bremner. "The Effects of Normal Aging on the Response of the Pituitary-Gonadal Axis to Chronic Clomiphene Administration in Men." *Journal of Andrology* **12**, No. 4 (July/August 1991): 258-263.
- Travia, Daniela, Flavia Tosi, Carlo Negri, Giovanni Faccini, Paolo Moghetti and Michele Muggeo. "Sustained Therapy with 3-Hydroxy-3-Methylglutaryl-Coenzyme-A Reductase Inhibitors Does Not Impair Steroidogenesis by Adrenals and Gonads." *Journal of Clinical Endocrinology and Metabolism* **80** Issue 3(March 1995): 836-840.
- Tsujimura, A., K. Matsumiya, T. Takao, Y. Miyagawa, S. Takada, M. Koga, A. Iwasa, M. Takeyama, and A. Okuyama. "Treatment with human chorionic gonadotropin for PADAM: A preliminary report." *The Aging Male*, **8**(3/4)(September/December 2005): 175-179.
- Tuiten, Adrian, Jack Van Honk, Hans Koppeschaar, Coen Benaards, Jos Thijssen, Rien Verbaten. "Time Course of Effects of Testosterone Administration on Sexual Arousal in Women." *Arch. Gen Psychiatry* **57**(Feb 2000): 149-153.

- Uyanik, Bekir Sami, Zeki Ari, Bilali Gümüs, M. Ramazan Yiğitoğlu and Taciser Arslan. "Beneficial Effects of Testosterone Undecanoate on the Lipoprotein Profiles in Healthy Elderly Men A Placebo Controlled Study." *Jpn Heart J* **38**, No. 1(January 1997): 73-82.
- Veldhuis, Johans D., Daniel M. Keenan, Kristi Mielke, John M. Miles and Cyril Y. Bowers. "Testosterone supplementation in healthy older men drives GH and IGF-1 secretion without potentiating peptidyl secretagogue efficacy." *European Journal of Endocrinology* **153**(2005): 577-586.
- von Eckardstein, Sigrid, Gabriela Noe, Vivian Brache, Eberhard Nieschlag, Horacio Croxatto, Francisco Alvarez, Alfred Moo-Young, Irving Sivin, Narendra Kumar, Margaret Small, and Kalyan Sundaram. "A Clinical Trial of 7 $\alpha$ -Methyl-19-Nortestosterone Implants for Possible Use as a Long-Acting Contraceptive for Men." *The Journal of Clinical Endocrinology & Metabolism* **88**(11)(2003):5232-5239.
- Wang, C., A. Iranmanesh, N. Berman, V. McDonald, B. Steiner, F. Ziel, S. M. Faulkner, R.E. Dudley, J. D. Velhuis, and R. S. Swerdloff. "Comparative Pharmacokinetics of Three Doses of Percutaneous Dihydrotestosterone Gel in Healthy Elderly Men—A Clinical Research Center Study\*." *Journal of Clinical Endocrinology and Metabolism* **83**, No. 8(1998):2749-2757.
- Wang, C. N. Berman, J. A. Longstreth, B. Chuapoco, L. Hull, B. Steiner, S. Faulkner, R. E. Dudley, and R. S. Swerdloff. "Pharmacokinetics of Transdermal Testosterone Gel in Hypogonadal Men: Application of Gel at One Site *Versus* Four Sites: A General Clinical Research Center Study.\*" *The Journal of Clinical Endocrinology & Metabolism* **85**, No. 3(2000): 964-969.
- Wang, C, Swerdloff, RS, Iranmanesh A, et al. "Transdermal Testosterone Gel Improves Sexual Function, Mood, Muscle Strength, and Body Composition Parameters in Hypogonadal Men." *Clin Endocrinol & Metab* **85**(2000): 2839-2853
- Wang, Christina and Ronald S. Swerdloff. "Editorial: Should the Nonaromatizable Androgen Dihydrotestosterone Be Considered as an

- Alternative to Testosterone in the Treatment of the Andropause?" *The Journal of Clinical Endocrinology & Metabolism* **87**(4)(2002): 1462-1466
- Wang, Christina, Glenn Cunningham, Adrian Dobs, Ali Iranmanesh, Alvin M. Matsumoto, Peter J. Snyder, Thomas Weber, Nancy Berman, Laura Hull, and Ronald S. Swerdloff. "Long-term Testosterone Gel (AndroGel) Treatment Maintains Beneficial Effects on Sexual Function and Mood, Lean and Fat Mass, and Bone Mineral Density in Hypogonadal Men. *The Journal of Clinical Endocrinology & Metabolism* **89**(5)(2004): 2085-2098.
- Wang, Christina, Ronald S. Swerdloff, Ali Iranmanesh, Adrian Dobs, Peter J. Snyder, Glenn Cunningham, Alvin M. Matsumoto, Thomas Weber, Nancy Berman, and the Testosterone Gel Study Group. "Transdermal Testosterone Gel Improves Sexual Function, Mood, Muscle Strength, and Body Composition Parameters in Hypogonadal Men\*." *The Journal of Clinical Endocrinology & Metabolism* **85**, No. 8(2000): 2839-2853.
- Wickman, Sanna, Ilkka Sipilä, Carina Ankarberg-Lindgren, Ensio Norjavaara, Leo Dunkel. "A specific Aromatase inhibitor and potential increase in adult height in boys with delayed puberty: a randomised controlled trial." *The Lancet* **357**(June 2, 2001): 1743-1748.
- Wide, L., E. Johannisson, K.-G. Tillinger and E. Diczfalusy. "Metabolic Clearance of Human Chorionic Gonadotrophin Administered to Non Pregnant Women." *Acta Endocrinologica* **59**(1968): 579-594.
- Winslow, Ron. "Drug Cuts Cancer Risk." *The Wall Street Journal*, April 28, 2009. p. D3. Accessed online  
<http://online.wsj.com/article/SB124084943731359697.html>
- Zitzmann, Michael and Eberhard Nieschlag. "Androgen Receptor Gene CAG Repeat Length and Body Mass Index Modulate the Safety of Long-Term Intramuscular Testosterone Undecanoate Therapy in Hypogonadal Men." *The Journal of Clinical Endocrinology & Metabolism* **92**(10)(2007):3844-385392. doi:10.1210/jc.2007-0620