

1. R. Vandenberghe, J. O. Rinne, M. Boada, S. Katayama, P. Scheltens, B. Vellas, M. Tuchman, A. Gass, J. B. Fiebach, and D. Hill, "**Bapineuzumab for mild to moderate Alzheimer's disease in two global, randomized, phase 3 trials,**" *Alzheimer's Research & Therapy*, vol. 8, no. 1, p. 1, 2016.
2. C. Sadowsky, G. P. L. Le, K. Booth, Y. Peng, K. Marek, N. Ketter, E. Liu, B. Wyman, N. Jackson, and M. Slomkowski, "**Vanutide Cridificar (ACC-001) and QS-21 Adjuvant in Individuals with Early Alzheimer's Disease: Amyloid Imaging Positron Emission Tomography and Safety Results from a Phase 2 Study,**" *The journal of prevention of Alzheimer's disease*, vol. 3, no. 2, pp. 75–84, 2016.
3. G. Novak, N. Fox, S. Clegg, C. Nielsen, S. Einstein, Y. Lu, I. C. Tudor, K. Gregg, J. Di, and P. Collins, "**Changes in brain volume with bapineuzumab in mild to moderate Alzheimer's disease,**" *Journal of Alzheimer's Disease*, vol. 49, no. 4, pp. 1123–1134, 2016.
4. R. Korn, B. Gburek, A. Woodruff, N. Verma, D. Siebenkaess, B. Wyman, C. Wright, P. Masci, and J. Keppler, "**Histopathologic Features that Influence the Detection of Occult Lymph Node Metastasis Using PET/CT Imaging with Anti-PSMA 89Zr-Df-IAB2M in Newly Diagnosed High Risk Prostate Cancer Patients,**" *Journal of Nuclear Medicine*, vol. 57, no. supplement 2, pp. 1544–1544, 2016.
5. P. G. Conaghan, M. Østergaard, M. A. Bowes, C. Wu, T. Fuerst, D. van der Heijde, F. Irazoque-Palazuelos, O. Soto-Raices, P. Hrycaj, and Z. Xie, "**Comparing the effects of tofacitinib, methotrexate and the combination, on bone marrow oedema, synovitis and bone erosion in methotrexate-naive, early active rheumatoid arthritis: results of an exploratory randomised MRI study incorporating semiquantitative and quantitative techniques,**" *Annals of the rheumatic diseases*, vol. 75, no. 6, pp. 1024–1033, 2016.
6. J. Sun, X.-Q. Zhao, N. Balu, D. S. Hippe, T. S. Hatsukami, D. A. Isquith, K. Yamada, M. B. Neradilek, G. Cantón, and Y. Xue, "**Carotid magnetic resonance imaging for monitoring atherosclerotic plaque progression: a multicenter reproducibility study,**" *The international journal of cardiovascular imaging*, vol. 31, no. 1, pp. 95–103, 2015.
7. K. Subburaj, R. B. Souza, B. T. Wyman, M. H. Le Graverand-Gastineau, X. Li, T. M. Link, and S. Majumdar, "**Changes in MR relaxation times of the meniscus with acute loading: an in vivo pilot study in knee osteoarthritis,**" *Journal of Magnetic Resonance Imaging*, vol. 41, no. 2, pp. 536–543, 2015.
8. E. Liu, M. E. Schmidt, R. Margolin, R. Sperling, R. Koeppe, N. S. Mason, W. E. Klunk, C. A. Mathis, S. Salloway, and N. C. Fox, "**Amyloid-β 11C-PiB-PET imaging results from 2 randomized bapineuzumab phase 3 AD trials,**" *Neurology*, vol. 85, no. 8, pp. 692–700, 2015.
9. B. L. Klaassens, H. C. van Gorsel, N. Khalili-Mahani, J. van der Grond, B. T. Wyman, B. Witcher, S. A. Rombouts, and J. M. van Gerven, "**Single-dose serotonergic stimulation shows widespread effects on functional brain connectivity,**" *NeuroImage*, vol. 122, pp. 440–450, 2015.
10. P. Conaghan, M. Østergaard, M. Bowes, C. Wu, T. Fuerst, D. van der Heijde, P. Hrycaj, Z. Xie, R. Zhang, and B. Wyman, "**SAT0222 Effects of Tofacitinib on MRI Endpoints in Methotrexate-Naive Early Rheumatoid Arthritis: A Phase 2 MRI Study with Semi-Quantitative and Quantitative Endpoints,**" *Annals of the Rheumatic Diseases*, vol. 74, no. Suppl 2, pp. 738–738, 2015.

11. E. Liu, A. Ashaye, K. Travers, L. Strand, K. Olsson, G. L. Tanna, B. T. Wyman, K. Booth, S. Styren, and R. H. Brashear, **“A PROSPECTIVE, SYSTEMATIC LITERATURE REVIEW AND META-ANALYSES TO EVALUATE GLOBAL AND REGIONAL BRAIN VOLUMES BY STRUCTURAL MRI AS BIOMARKERS OF ALZHEIMER’S DISEASE (AD) PROGRESSION,”** *Alzheimer’s & Dementia: The Journal of the Alzheimer’s Association*, vol. 10, no. 4, p. P354, 2014.
12. E. Liu, A. Ashaye, K. Travers, L. Strand, G. L. Tanna, B. T. Wyman, K. Booth, S. Styren, R. Brashear, and R. Margolin, **“A PROSPECTIVE, SYSTEMATIC LITERATURE REVIEW AND META-ANALYSES TO EVALUATE BRAIN AMYLOID BY POSITRON EMISSION TOMOGRAPHY (PET) IMAGING AS A BIOMARKER OF ALZHEIMER’S DISEASE (AD) PROGRESSION,”** *Alzheimer’s & Dementia: The Journal of the Alzheimer’s Association*, vol. 10, no. 4, pp. P353–P354, 2014.
13. P. G. Conaghan, M. Østergaard, C. Wu, D. Van Der Heijde, F. Irazoque-Palazuelos, P. Hrycaj, Z. Xie, R. Zhang, B. Wyman, and J. Bradley, **“Effects of Tofacitinib on bone marrow edema, synovitis, and erosive damage in Methotrexate-naïve patients with early active rheumatoid arthritis (duration ≤ 2 years): Results of an exploratory phase 2 MRI study,”** *Arthritis and Rheumatology*, vol. 66, no. Suppl. 11, 2014.
14. B. T. Wyman, D. J. Harvey, K. Crawford, M. A. Bernstein, O. Carmichael, P. E. Cole, P. K. Crane, C. DeCarli, N. C. Fox, and J. L. Gunter, **“Standardization of analysis sets for reporting results from ADNI MRI data,”** *Alzheimer’s & Dementia*, vol. 9, no. 3, pp. 332–337, 2013.
15. D. van der Heijde, Y. Tanaka, R. Fleischmann, E. Keystone, J. Kremer, C. Zerbini, M. H. Cardiel, S. Cohen, P. Nash, and Y. Song, **“Tofacitinib (CP-690,550) in patients with rheumatoid arthritis receiving methotrexate: twelve-month data from a twenty-four-month phase III randomized radiographic study,”** *Arthritis & Rheumatism*, vol. 65, no. 3, pp. 559–570, 2013.
16. K. Subburaj, R. Souza, B. Wyman, X. Li, T. Link, and S. Majumdar, **“Changes in MR relaxation times of the meniscal body with loading: an in vivo pilot study in knee osteoarthritis,”** *Osteoarthritis and Cartilage*, vol. 21, p. S213, 2013.
17. S. Salloway, R. Sperling, K. Gregg, P. Yu, A. Joshi, M. Lu, M. Mintun, M. Pontecorvo, K. Booth, and B. Wyman, **“P4-417: Incidence and clinical progression of placebo-treated amyloid-negative subjects with mild-to-moderate Alzheimer’s disease (AD): Results from the phase III PET substudies of bapineuzumab and solanezumab,”** *Alzheimer’s & Dementia*, vol. 9, pp. P888–P889, 2013.
18. G. Novak, S. Einstein, I. C. Tudor, K. Gregg, P. Collins, B. Wyman, E. Yuen, C. Nielsen, M. Grundman, and R. H. Brashear, **“The rate of clinical progression and brain atrophy is greater with increasing severity of Alzheimer’s disease: Results from the volumetric MRI substudies of two phase III trials with bapineuzumab,”** *Alzheimer’s & Dementia: The Journal of the Alzheimer’s Association*, vol. 9, no. 4, p. P287, 2013.
19. G. Novak, S. Einstein, Y. Lu, I. C. Tudor, K. Gregg, P. Collins, B. Wyman, E. Yuen, C. Nielsen, and M. Grundman, **“Correlation of brain atrophy with clinical progression in mild-to-moderate Alzheimer’s disease: Results from the volumetric MRI substudies of two phase III trials with bapineuzumab,”** *Alzheimer’s & Dementia: The Journal of the Alzheimer’s Association*, vol. 9, no. 4, p. P289, 2013.

20. M. Marsh, R. Souza, B. Wyman, M.-P. H. Le Graverand, K. Subburaj, T. Link, and S. Majumdar, "**Differences between X-ray and MRI-determined knee cartilage thickness in weight-bearing and non-weight-bearing conditions,**" *Osteoarthritis and Cartilage*, vol. 21, no. 12, pp. 1876–1885, 2013.
21. R. Margolin, M. Schmidt, K. Gregg, A. Les, D. Hill, R. Koeppe, B. Wyman, S. Styren, M. Grundman, and E. Yuen, "**Evaluation of the pons as a reference region for amyloid PET in Alzheimer's disease clinical trials,**" *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, vol. 9, no. 4, p. P18, 2013.
22. R. Margolin, N. Ketter, S. Guthrie, D. Deegan, L. Baher, R. Tschopp, K. Marek, J. Seibyl, G. Novak, and J. Streffer, "**Biomarker strategy for enrichment and monitoring of biological effect in ACCTION, a phase II study of ACC-001 (vanutide cridifcar) for Alzheimer's disease,**" *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, vol. 9, no. 4, pp. P289–P290, 2013.
23. S. Cotofana, B. Wyman, O. Benichou, D. Dreher, M. Nevitt, J. Gardiner, W. Wirth, W. Hitzl, C. Kwok, and F. Eckstein, "**Relationship between knee pain and the presence, location, size and phenotype of femorotibial denuded areas of subchondral bone as visualized by MRI,**" *Osteoarthritis and Cartilage*, vol. 21, no. 9, pp. 1214–1222, 2013.
24. R. Buck, E. Katz, Z. Xie, and B. Wyman, "**Ordered values of subregional brain volumes improve the detection of disease progression in longitudinal studies of Alzheimer's disease: Data from ADNI,**" *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, vol. 9, no. 4, p. P76, 2013.
25. B. Wyman, Y. Peng, K. Lobello, G. Zubal, M. Ryan, K. Marek, J. Seibyl, and M. Slomkowski, "**Comparison of visual and quantitative florbetapir-PET reads in subjects with early Alzheimer's disease for assessing amyloid burden,**" *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, vol. 8, no. 4, pp. P38–P39, 2012.
26. D. van der Heijde, Y. Tanaka, R. Fleischmann, E. Keystone, J. Kremer, C. Zerbini, M. Cardiel, S. Cohen, P. Nash, and Y. Song, "**Tofacitinib, an Oral Janus Kinase Inhibitor, in Combination with Methotrexate Reduced the Progression of Structural Damage in Patients with Rheumatoid Arthritis: Year 2 Efficacy and Safety Results From a 24-Month Phase 3 Study.: 1277,**" *Arthritis & Rheumatism*, vol. 64, 2012.
27. R. Sukkar, E. Katz, Y. Zhang, D. Raunig, and B. T. Wyman, "**Disease progression modeling using hidden Markov models,**" 2012, pp. 2845–2848.
28. K. Subburaj, R. Souza, C. Stehling, B. Wyman, M. Le Graverand-Gastineau, T. Link, X. Li, and S. Majumdar, "**Association of MR relaxation and cartilage deformation in knee osteoarthritis,**" *Journal of Orthopaedic Research*, vol. 30, no. 6, pp. 919–926, 2012.
29. C. Stehling, R. B. Souza, M.-P. H. Le Graverand, B. T. Wyman, X. Li, S. Majumdar, and T. M. Link, "**Loading of the knee during 3.0 T MRI is associated with significantly increased medial meniscus extrusion in mild and moderate osteoarthritis,**" *European journal of radiology*, vol. 81, no. 8, pp. 1839–1845, 2012.
30. Y. Peng, B. Wyman, K. Lobello, G. Zubal, M. Ryan, K. Marek, J. Seibyl, and M. Slomkowski, "**Comparison of visual and quantitative florbetapir-PET reads in subjects with early Alzheimer's disease for assessing amyloid burden,**" *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, vol. 8, no. 4, pp. P454–P455, 2012.

31. A. Lang, B. Liu, B. Wyman, B. Caffo, Y. Zhang, E. Katz, P. Jedynek, J. Prince, and B. Jedynek, **"Time-dependent changes of 9 biomarkers related to Alzheimer's disease,"** *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, vol. 8, no. 4, pp. P612–P613, 2012.
32. B. M. Jedynek, A. Lang, B. Liu, E. Katz, Y. Zhang, B. T. Wyman, D. Raunig, C. P. Jedynek, B. Caffo, and J. L. Prince, **"A computational neurodegenerative disease progression score: Method and results with the Alzheimer's disease neuroimaging initiative cohort,"** *Neuroimage*, vol. 63, no. 3, pp. 1478–1486, 2012.
33. B. Jedynek, B. Liu, A. Lang, B. Caffo, B. Wyman, E. Katz, Y. Zhang, P. Jedynek, and J. Prince, **"Sample size comparisons in ADNI: A case for the Alzheimer's Disease Progression Scale,"** *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, vol. 8, no. 4, pp. P613–P614, 2012.
34. L. Bracoud, B. Belaroussi, K. Lobello, D. Li, H. J. Yu, C. Pachai, and B. Wyman, **"Correlation between DWI-ADC and clinical scores in mild-to-moderate Alzheimer's disease,"** *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, vol. 8, no. 4, pp. P118–P119, 2012.
35. L. Bracoud, B. Belaroussi, K. Lobello, D. Li, H. J. Yu, C. Pachai, and B. Wyman, **"Correlation between diffusion weighted imaging-apparent diffusion coefficient and clinical scores in mild-to-moderate Alzheimer's disease,"** *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, vol. 8, no. 4, p. P74, 2012.
36. W. Wirth, S. Larroque, R. Y. Davies, M. Nevitt, A. Gimona, F. Baribaud, J. H. Lee, O. Benichou, B. T. Wyman, and M. Hudelmaier, **"Comparison of 1-year vs 2-year change in regional cartilage thickness in osteoarthritis results from 346 participants from the Osteoarthritis Initiative,"** *Osteoarthritis and cartilage*, vol. 19, no. 1, pp. 74–83, 2011.
37. R. Sukkar, B. Wyman, E. Katz, Y. Zhang, and D. Raunig, **"Modeling Alzheimer's disease progression using hidden markov models,"** *Alzheimer's & Dementia*, vol. 7, no. 4, p. S147, 2011.
38. K. Subburaj, R. Souza, C. Stehling, B. Wyman, M. H. Le Graverand-Gastineau, T. Link, X. Li, and S. Majumdar, **"Association of MR Relaxation Times and Functional Behavior of Osteoarthritic Cartilage using Loaded Knee MRI,"** 2011, vol. 19, p. 3238.
39. R. Stahl, S. K. Jain, J. Lutz, B. T. Wyman, M.-P. H. Le Graverand-Gastineau, E. Vignon, S. Majumdar, and T. M. Link, **"Osteoarthritis of the knee at 3.0 T: comparison of a quantitative and a semi-quantitative score for the assessment of the extent of cartilage lesion and bone marrow edema pattern in a 24-month longitudinal study,"** *Skeletal radiology*, vol. 40, no. 10, pp. 1315–1327, 2011.
40. C. S. Shin, R. B. Souza, D. Kumar, T. M. Link, B. T. Wyman, and S. Majumdar, **"In vivo tibiofemoral cartilage-to-cartilage contact area of females with medial osteoarthritis under acute loading using MRI,"** *Journal of Magnetic Resonance Imaging*, vol. 34, no. 6, pp. 1405–1413, 2011.
41. F. Eckstein, M. H. Le Graverand, H. Charles, D. Hunter, V. Kraus, T. Sunyer, O. Nemirovskiy, B. Wyman, and R. Buck, **"Clinical, radiographic, molecular and MRI-based predictors of cartilage loss in knee osteoarthritis,"** *Annals of the rheumatic diseases*, vol. 70, no. 7, pp. 1223–1230, 2011.

42. M. D. Crema, D. J. Hunter, F. W. Roemer, L. Li, M. D. Marra, M. H. Nogueira-Barbosa, M.-P. H. Le Graverand, B. T. Wyman, and A. Guermazi, **"The relationship between prevalent medial meniscal intrasubstance signal changes and incident medial meniscal tears in women over a 1-year period assessed with 3.0 T MRI,"** *Skeletal radiology*, vol. 40, no. 8, pp. 1017–1023, 2011.
43. S. Cotofana, F. Eckstein, W. Wirth, R. B. Souza, X. Li, B. Wyman, M.-P. Hellio-Le Graverand, T. Link, and S. Majumdar, **"In vivo measures of cartilage deformation: patterns in healthy and osteoarthritic female knees using 3T MR imaging,"** *European radiology*, vol. 21, no. 6, pp. 1127–1135, 2011.
44. R. Buck, B. Wyman, M.-P. H. Le Graverand, D. Hunter, E. Vignon, W. Wirth, and F. Eckstein, **"Using ordered values of subregional cartilage thickness change increases sensitivity in detecting risk factors for osteoarthritis progression,"** *Osteoarthritis and Cartilage*, vol. 19, no. 3, pp. 302–308, 2011.
45. W. Wirth, R. B. Frobell, R. B. Souza, X. Li, B. T. Wyman, M. H. Le Graverand, T. M. Link, S. Majumdar, and F. Eckstein, **"A three-dimensional quantitative method to measure meniscus shape, position, and signal intensity using MR images: A pilot study and preliminary results in knee osteoarthritis,"** *Magnetic resonance in medicine*, vol. 63, no. 5, pp. 1162–1171, 2010.
46. E. Vignon, K. Brandt, C. Mercier, M. Hochberg, D. Hunter, S. Mazzuca, K. Powell, B. Wyman, and M.-P. H. Le Graverand, **"Alignment of the medial tibial plateau affects the rate of joint space narrowing in the osteoarthritic knee,"** *Osteoarthritis and Cartilage*, vol. 18, no. 11, pp. 1436–1440, 2010.
47. R. Souza, C. Stehling, B. Wyman, M.-P. H. Le Graverand, X. Li, T. Link, and S. Majumdar, **"The effects of acute loading on T1rho and T2 relaxation times of tibiofemoral articular cartilage,"** *Osteoarthritis and Cartilage*, vol. 18, no. 12, pp. 1557–1563, 2010.
48. M. Hudelmaier, W. Wirth, B. Wehr, V. Kraus, B. Wyman, M.-P. Hellio Le Graverand, and F. Eckstein, **"Femorotibial cartilage morphology: reproducibility of different metrics and femoral regions, and sensitivity to change in disease,"** *Cells Tissues Organs*, vol. 192, no. 5, pp. 340–350, 2010.
49. M.-P. Hellio Le Graverand Gastineau, K. Powell, E. Vignon, R. Clemmer, and B. Wyman, **"423 TECHNIQUE FOR DETERMINING OPTIMAL LYON-SCHUSS X-RAY BEAM ANGLE,"** *Osteoarthritis and Cartilage*, vol. 18, no. 2, p. 1, 2010.
50. M.-P. H. L. G. Gastineau, K. Powell, E. Vignon, R. Clemmer, and B. Wyman, **"423 TECHNIQUE FOR DETERMINING OPTIMAL LYON-SCHUSS X-RAY BEAM ANGLE,"** *Osteoarthritis and Cartilage*, vol. 18, pp. S188–S189, 2010.
51. R. B. Frobell, M. C. Nevitt, M. Hudelmaier, W. Wirth, B. T. Wyman, O. Benichou, D. Dreher, R. Davies, J. H. Lee, and F. Baribaud, **"Femorotibial subchondral bone area and regional cartilage thickness: A cross-sectional description in healthy reference cases and various radiographic stages of osteoarthritis in 1,003 knees from the Osteoarthritis Initiative,"** *Arthritis care & research*, vol. 62, no. 11, pp. 1612–1623, 2010.
52. R. Frobell, W. Wirth, M. Nevitt, B. Wyman, O. Benichou, D. Dreher, R. Davies, J. Lee, F. Baribaud, and A. Gimona, **"Presence, location, type and size of denuded areas of subchondral bone in the knee as a function of**

- radiographic stage of OA—data from the OA initiative,”** *Osteoarthritis and Cartilage*, vol. 18, no. 5, pp. 668–676, 2010.
53. M. Crema, A. Guermazi, L. Li, M. Nogueira-Barbosa, M. Marra, F. Roemer, F. Eckstein, M. H. Le Graverand, B. Wyman, and D. Hunter, **“The association of prevalent medial meniscal pathology with cartilage loss in the medial tibiofemoral compartment over a 2-year period,”** *Osteoarthritis and Cartilage*, vol. 18, no. 3, pp. 336–343, 2010.
 54. R. J. Buck, B. T. Wyman, M. H. Le Graverand, W. Wirth, F. Eckstein, and A9001140 Investigators, **“An efficient subset of morphological measures for articular cartilage in the healthy and diseased human knee,”** *Magnetic resonance in medicine*, vol. 63, no. 3, pp. 680–690, 2010.
 55. R. Buck, B. Wyman, M.-P. H. Le Graverand, M. Hudelmaier, W. Wirth, and F. Eckstein, **“Osteoarthritis may not be a one-way-road of cartilage loss—comparison of spatial patterns of cartilage change between osteoarthritic and healthy knees,”** *Osteoarthritis and Cartilage*, vol. 18, no. 3, pp. 329–335, 2010.
 56. D. M. Allen, L. Li, M. D. Crema, M. D. Marra, A. Guermazi, B. T. Wyman, M.-P. Hellio Le Graverand, M. Englund, K. D. Brandt, and D. J. Hunter, **“The relationship between meniscal tears and meniscal position,”** *Therapeutic advances in musculoskeletal disease*, vol. 2, no. 6, pp. 315–323, 2010.
 57. W. Wirth, M.-P. H. Le Graverand, B. T. Wyman, S. Maschek, M. Hudelmaier, W. Hitzl, M. Nevitt, F. Eckstein, and OAI Investigator Group, **“Regional analysis of femorotibial cartilage loss in a subsample from the Osteoarthritis Initiative progression subcohort,”** *Osteoarthritis and cartilage*, vol. 17, no. 3, pp. 291–297, 2009.
 58. B. Wehr, W. Wirth, S. Maschek, M.-P. H. Le Graverand, B. Wyman, and F. Eckstein, **“414 IS PAIRED OR NON-PAIRED ANALYSIS MORE EFFICIENT IN IDENTIFYING CHANGES BETWEEN BASELINE AND FOLLOW-UP MR-IMAGES IN STUDIES OF OA CARTILAGE LOSS?,”** *Osteoarthritis and Cartilage*, vol. 17, pp. S219–S220, 2009.
 59. S. Maschek, W. Wirth, B. Wyman, M.-P. H. Le Graverand, and F. Eckstein, **“409 DIFFERENCES IN QUANTITATIVE MR IMAGING OF CARTILAGE MORPHOLOGY BETWEEN SAGITTAL VERSUS CORONAL ACQUISITIONS OF THE FEMOROTIBIAL JOINT,”** *Osteoarthritis and Cartilage*, vol. 17, pp. S216–S217, 2009.
 60. M.-P. H. Le Graverand, R. Buck, B. Wyman, E. Vignon, S. Mazzuca, K. Brandt, M. Piperno, H. Charles, M. Hudelmaier, and D. Hunter, **“Subregional femorotibial cartilage morphology in women—comparison between healthy controls and participants with different grades of radiographic knee osteoarthritis,”** *Osteoarthritis and Cartilage*, vol. 17, no. 9, pp. 1177–1185, 2009.
 61. D. Hunter, R. Buck, E. Vignon, F. Eckstein, K. Brandt, S. Mazzuca, B. Wyman, I. Otterness, and M. H. Le Graverand, **“Relation of regional articular cartilage morphometry and meniscal position by MRI to joint space width in knee radiographs,”** *Osteoarthritis and Cartilage*, vol. 17, no. 9, pp. 1170–1176, 2009.
 62. R. Frobell, R. Souza, B. Wyman, W. Wirth, M.-P. Hellio-LeGraverand, M. Hedelmaier, X. Li, T. Link, F. Eckstein, and S. Majumdar, **“MENISCUS SHAPE, POSITION, AND SIGNAL UNDER SIMULATED WEIGHTBEARING AND NON-WEIGHTBEARING CONDITIONS IN VIVO,”** *Osteoarthritis and Cartilage*, vol. 17, pp. S236–S237, 2009.

63. F. Eckstein, B. T. Wyman, R. J. Buck, W. Wirth, S. Maschek, M. Hudelmaier, and M. Hellio Le Graverand, "**Longitudinal quantitative MR imaging of cartilage morphology in the presence of gadopentetate dimeglumine (Gd-DTPA),**" *Magnetic Resonance in Medicine: An Official Journal of the International Society for Magnetic Resonance in Medicine*, vol. 61, no. 4, pp. 975–980, 2009.
64. F. Eckstein, W. Wirth, M. I. Hudelmaier, S. Maschek, W. Hitzl, B. T. Wyman, M. Nevitt, M.-P. H. Le Graverand, and D. Hunter, "**Relationship of compartment-specific structural knee status at baseline with change in cartilage morphology: a prospective observational study using data from the osteoarthritis initiative,**" *Arthritis Research and Therapy*, vol. 11, no. 3, p. R90, 2009.
65. F. Eckstein, S. Maschek, W. Wirth, M. Hudelmaier, W. Hitzl, B. Wyman, M. Nevitt, M. H. Le Graverand, and OAI Investigator Group, "**One year change of knee cartilage morphology in the first release of participants from the Osteoarthritis Initiative progression subcohort: association with sex, body mass index, symptoms and radiographic osteoarthritis status,**" *Annals of the rheumatic diseases*, vol. 68, no. 5, pp. 674–679, 2009.
66. F. Eckstein, M.-P. H. Le Graverand, C. Charles, D. Hunter, V. Kraus, O. Nemirovskiy, T. Sunyer, E. Vignon, B. Wyman, and R. Buck, "**WHICH BASELINE FACTORS PREDICT CARTILAGE THINNING AND THICKENING IN OA KNEES- RESULTS FROM THE A9001140 STUDY,**" *Osteoarthritis and Cartilage*, vol. 17, pp. S215–S216, 2009.
67. S. Cotofana, R. Frobell, B. Wyman, O. Benichou, D. Dreher, R. Davies, M. Nevitt, J. Lee, F. Baribaud, and W. Wirth, "**RELATIONSHIP OF WEIGHT-BEARING AND NON-WEIGHT-BEARING PAIN IN KNEE OA WITH (CENTRAL) FEMOROTIBIAL DENUDED AREAS-DATA FROM THE OA INITIATIVE,**" *Osteoarthritis and Cartilage*, vol. 17, pp. S41–S42, 2009.
68. R. J. Buck, B. T. Wyman, M. Hellio Le Graverand, M. Hudelmaier, W. Wirth, F. Eckstein, and A9001140 Investigators, "**Does the use of ordered values of subregional change in cartilage thickness improve the detection of disease progression in longitudinal studies of osteoarthritis?,**" *Arthritis Care & Research*, vol. 61, no. 7, pp. 917–924, 2009.
69. B. Wyman, R. Buck, E. Vignon, A. Brett, and M. G. Le-Graverand, "**COMPARISON OF ONE YEAR CHANGE IN MINIMUM JOINT SPACE WIDTH TO FIXED LOCATION JOINT SPACE MEASUREMENTS IN LYON SCHUSS X-RAYS FROM THE A9001140 STUDY,**" *Osteoarthritis and Cartilage*, vol. 16, pp. S164–S165, 2008.
70. B. Wehr, M. Hudelmaier, W. Wirth, V. Kraus, C. Charles, B. Wyman, M. H. Le Graverand, and F. Eckstein, "**PRECISION AND SENSITIVITY TO CHANGE FOR DIFFERENT METRICS AND REGIONS OF FEMOROTIBIAL CARTILAGE MORPHOLOGY,**" *Osteoarthritis and Cartilage*, vol. 16, p. S171, 2008.
71. H. R. Underhill, V. L. Yarnykh, T. S. Hatsukami, J. Wang, N. Balu, C. E. Hayes, M. Oikawa, W. Yu, D. Xu, and B. Chu, "**Carotid plaque morphology and composition: initial comparison between 1.5- and 3.0-T magnetic field strengths,**" *Radiology*, vol. 248, no. 2, pp. 550–560, 2008.
72. S. Maschek, W. Wirth, B. Wyman, R. Buck, M. Hudelmaier, M. H. Le Graverand, and F. Eckstein, "**IMPACT OF THE CONTRAST AGENT GADOPENTATE DIMEGLUMINE ON QUANTITATIVE MAGNETIC RESONANCE IMAGING OF CARTILAGE MORPHOLOGY,**" *Osteoarthritis and Cartilage*, vol. 16, p. S174, 2008.

73. M. H. Le Graverand, B. Wyman, R. Buck, M. Hudelmaier, and F. Eckstein, **"TWO YEAR LONGITUDINAL CHANGES IN REGIONAL CARTILAGE MORPHOLOGY IN A MULTICENTER MULTIVENDOR MRI STUDY AT 3.0 T–THE A9001140 STUDY,"** *Osteoarthritis and Cartilage*, vol. 16, p. S178, 2008.
74. M. H. Le Graverand, E. P. Vignon, K. D. Brandt, S. A. Mazzuca, M. Piperno, R. Buck, H. C. Charles, D. J. Hunter, C. G. Jackson, and V. B. Kraus, **"Head-to-head comparison of the Lyon Schuss and fixed flexion radiographic techniques. Long-term reproducibility in normal knees and sensitivity to change in osteoarthritic knees,"** *Annals of the rheumatic diseases*, vol. 67, no. 11, pp. 1562–1566, 2008.
75. M.-P. H. Le Graverand, R. J. Buck, B. T. Wyman, E. Vignon, S. A. Mazzuca, K. D. Brandt, M. Piperno, H. C. Charles, M. Hudelmaier, and D. J. Hunter, **"Change in regional cartilage morphology and joint space width in osteoarthritis participants versus healthy controls—a multicenter study using 3.0 Tesla MRI and Lyon Schuss radiography,"** *Annals of the rheumatic diseases*, 2008.
76. D. Hunter, R. Buck, E. Vignon, F. Eckstein, K. Brandt, S. Mazzuca, B. Wyman, I. Otterness, and M. H. Le Graverand, **"RELATION OF REGIONAL ARTICULAR CARTILAGE MORPHOMETRY AND MENISCAL POSITION BY MRI TO JSW IN KNEE RADIOGRAPHS,"** *Osteoarthritis and Cartilage*, vol. 16, p. S172, 2008.
77. M. Hellio Le Graverand, B. Wyman, R. Buck, M. Hudelmaier, and F. Eckstein, **"TWO YEAR LONGITUDINAL CHANGES IN REGIONAL CARTILAGE MORPHOLOGY IN A MULTICENTER MULTIVENDOR MRI STUDY AT 3.0 T THE A9001140 STUDY,"** *Osteoarthritis and Cartilage*, vol. 16, no. 4, p. 1, 2008.
78. F. Eckstein, R. J. Buck, D. Burstein, H. C. Charles, J. Crim, M. Hudelmaier, D. Hunter, G. Hutchins, C. Jackson, and V. B. Kraus, **"Precision of 3.0 Tesla quantitative magnetic resonance imaging of cartilage morphology in a multicentre clinical trial,"** *Annals of the rheumatic diseases*, vol. 67, no. 12, pp. 1683–1688, 2008.
79. R. Buck, F. Eckstein, B. Wyman, and M. H. Le Graverand, **"LOCATION AND MAGNITUDE OF CARTILAGE THICKNESS LOSS IN OA PROGRESSORS,"** *Osteoarthritis and Cartilage*, vol. 16, p. S182, 2008.
80. W. Wirth, S. Maschek, M.-P. H. Le Graverand, B. Wyman, M. Hudelmaier, M. Nevitt, and F. Eckstein, **"SENSITIVITY TO CHANGE OF CARTILAGE THICKNESS FOR DIFFERENT SUBREGIONS OF THE KNEE—DATA FROM THE OSTEOARTHRITIS INITIATIVE PROGRESSION SUBCOHORT,"** *Osteoarthritis and Cartilage*, vol. 15, pp. C27–C28, 2007.
81. E. Vignon, K. Brandt, S. Mazzuca, R. Buck, B. Wyman, M. Tengowski, and M.-P. H. Le Graverand, **"DOES INCREASING OBESITY INCREASE THE PROGRESSION OF KNEE OSTEOARTHRITIS?,"** *Osteoarthritis and Cartilage*, vol. 15, p. C147, 2007.
82. T. Saam, T. S. Hatsukami, V. L. Yarnykh, C. E. Hayes, H. Underhill, B. Chu, N. Takaya, J. Cai, W. S. Kerwin, and D. Xu, **"Reader and platform reproducibility for quantitative assessment of carotid atherosclerotic plaque using 1.5 T Siemens, Philips, and General Electric scanners,"** *Journal of Magnetic Resonance Imaging*, vol. 26, no. 2, pp. 344–352, 2007.
83. S. Maschek, W. Wirth, M.-P. H. Le Graverand, B. Wyman, M. Hudelmaier, W. Hitzl, M. Nevitt, and F. Eckstein, **"CARTILAGE THICKNESS CHANGES IN THE KNEE OVER 1 YEAR AND ASSOCIATED RISK FACTORS—DATA FROM**

- THE OSTEOARTHRITIS INITIATIVE PROGRESSION SUBCOHORT,”** *Osteoarthritis and Cartilage*, vol. 15, p. C166, 2007.
84. M.-P. H. Le Graverand, B. Wyman, R. Buck, W. Wirth, M. Hudelmaier, and F. Eckstein, **“TWELVE MONTH LONGITUDINAL CHANGE IN REGIONAL CARTILAGE MORPHOLOGY IN A MULTICENTER, MULTIVENDOR MRI STUDY AT 3.0 TESLA–THE A9001140 STUDY,”** *Osteoarthritis and Cartilage*, vol. 15, p. C172, 2007.
85. F. Eckstein, R. J. Buck, B. T. Wyman, J. J. Kotyk, M. H. Le Graverand, A. E. Remmers, J. L. Evelhoch, M. Hudelmaier, and H. C. Charles, **“Quantitative imaging of cartilage morphology at 3.0 Tesla in the presence of gadopentate dimeglumine (Gd-DTPA),”** *Magnetic Resonance in Medicine: An Official Journal of the International Society for Magnetic Resonance in Medicine*, vol. 58, no. 2, pp. 402–406, 2007.
86. F. Eckstein, S. Maschek, W. Wirth, B. Wyman, M. Hudelmaier, and M. Nevitt, **“Change in femorotibial cartilage volume and subregional cartilage thickness over 1 year–data from the osteoarthritis initiative progression subcohort,”** *Arthritis Rheum*, vol. 56, no. 9S, p. S283, 2007.
87. B. Wyman, **“14 REGULATORY ASPECTS OF IMPLEMENTING IMAGING BIOMARKERS,”** *Osteoarthritis and Cartilage*, vol. 14, p. S6, 2006.
88. T. Tuthill, D. Raunig, A. Hickman, B. Peterson, and B. Wyman, **“MRI Quantification of Liver Fat in an Obese Population,”** 2006, vol. 14, p. 2295.
89. M. H. Le Graverand, S. Mazzuca, S. Totterman, J. Tamez, R. Buck, B. Wyman, M. Tengowski, and E. Vignon, **“P257 BASELINE BONE MARROW LESIONS, BUT NOT SYNOVIAL FLUID EFFUSION, PREDICT JOINT SPACE NARROWING AT 1 YEAR,”** *Osteoarthritis and Cartilage*, vol. 14, p. S139, 2006.
90. M. H. Le Graverand, R. Buck, B. Wyman, and F. Eckstein, **“P280 KNEE CARTILAGE MORPHOLOGY IN RELATION TO RADIOGRAPHIC OSTEOARTHRITIS STATUS: A CROSS-SECTIONAL STUDY USING 3 TESLA MR IMAGING,”** *Osteoarthritis and Cartilage*, vol. 14, p. S153, 2006.
91. M. H. Le Graverand, R. Buck, B. Wyman, M. Tengowski, and E. Vignon, **“P256 HEAD TO HEAD COMPARISON OF THE LYON SCHUSS AND THE FIXED FLEXION RADIOGRAPH TECHNIQUES. LONG-TERM REPRODUCIBILITY IN NORMAL KNEES AND SENSITIVITY TO CHANGE IN OSTEOARTHRITIC KNEES,”** *Osteoarthritis and Cartilage*, vol. 14, pp. S138–S139, 2006.
92. J. Gee, T. Sundaram, B. Avants, P. Burstein, P. Yushkevich, H. Zhang, I. Casselbrant, P. Akeson, G. Pettersson, and B. Wyman, **“Quantitation of Pulmonary Structure via Registration and Normalization of Serial 3He MR Images,”** 2006, vol. 14, p. 1326.
93. F. Eckstein, C. Charles, M. Hudelmaier, R. Buck, B. Wyman, and M.-P. H. Le Graverand, **“A20 PRECISION OF 3 TESLA MR IMAGING OF CARTILAGE MORPHOLOGY IN A MULTICENTER CLINICAL TRIAL,”** *Osteoarthritis and Cartilage*, vol. 14, p. S27, 2006.
94. C. L. Stork and B. T. Wyman, **“Convolution filtering of similarity data for visual display of enhanced image,”** Jan. 2004.

95. B. T. Wyman, C. L. Stork, J. P. Smith, R. E. Price, P. R. Gavin, R. L. Tucker, E. R. Wisner, J. S. Mattoon, and J. D. Hazle, **"Improved detection of metastases on magnetic resonance images by digital tissue recognition: Validation using VX-2 tumor in the rabbit,"** *Journal of Magnetic Resonance Imaging: An Official Journal of the International Society for Magnetic Resonance in Medicine*, vol. 18, no. 2, pp. 232–241, 2003.
96. J. M. Sorger, B. T. Wyman, O. P. Faris, W. C. Hunter, and E. R. McVeigh, **"Torsion of the left ventricle during pacing with MRI tagging,"** *Journal of Cardiovascular Magnetic Resonance*, vol. 5, no. 4, pp. 521–530, 2003.
97. S. D. Pathak, L. Ng, B. Wyman, S. Fogarasi, S. Racki, J. C. Oelund, B. Sparks, and V. Chalana, **"Quantitative image analysis: software systems in drug development trials,"** *Drug discovery today*, vol. 8, no. 10, pp. 451–458, 2003.
98. B. T. Wyman, W. C. Hunter, F. W. Prinzen, O. P. Faris, and E. R. McVeigh, **"Effects of single-and biventricular pacing on temporal and spatial dynamics of ventricular contraction,"** *American Journal of Physiology-Heart and Circulatory Physiology*, vol. 282, no. 1, pp. H372–H379, 2002.
99. C. Stork, J. Smith, R. Price, P. Gavin, J. Hazle, and B. Wyman, **"Improved detection of metastases on magnetic resonance images by tissue segmentation analysis: Validation using VX-2 tumor in the rabbit,"** 2001, vol. 221, pp. 157–157.
100. A. Samli, C. Ozturk, O. Faris, and B. Wyman, **"Analysis of the activation propagation on both ventricles using tagged mri,"** 2001, vol. 1, pp. 307–310.
101. B. T. Wyman, C. L. Stork, R. E. Price, J. D. Hazle, P. Gavin, R. Tucker, and J. Smith, **"Evaluation of automatic guided specific tissue segmentation using VX-2 tumor in the rabbit,"** 2000, p. 581.
102. J. M. Sorger, B. T. Wyman, O. P. Faris, W. R. Hunter, and E. R. McVeigh, **"Torsion of the left ventricle during pacing with MRI tagging,"** 2000, vol. 3978, pp. 217–224.
103. J. Sorger, B. Wyman, O. Faris, W. Hunter, and E. McVeigh, **"Torsion of the left ventricle during pacing with MRI tagging [3978-23],"** 2000, pp. 217–224.
104. F. Prinzen, B. Wyman, W. Hunter, O. Faris, and E. McVeigh, **"Effects of single and bi-ventricular facing on the temporal and spatial dynamics of ventricular contraction,"** 2000, vol. 102, no. 18, pp. 161–162.
105. G. S. Nelson, C. W. Curry, B. T. Wyman, A. Kramer, J. Declerck, M. Talbot, M. R. Douglas, R. D. Berger, E. R. McVeigh, and D. A. Kass, **"Predictors of systolic augmentation from left ventricular preexcitation in patients with dilated cardiomyopathy and intraventricular conduction delay,"** *Circulation*, vol. 101, no. 23, pp. 2703–2709, 2000.
106. G. S. Nelson, C. W. Curry, B. T. Wyman, A. Kramer, J. Declerck, M. Talbot, M. R. Douglas, R. D. Berger, E. R. McVeigh, and D. A. Kass, **"Clinical Investigation and Reports-Predictors of Systolic Augmentation From Left Ventricular Preexcitation in Patients With Dilated Cardiomyopathy and Intraventricular Conduction Delay,"** *Circulation-Hagerstown*, vol. 101, no. 23, pp. 2703–2709, 2000.

- 107.C. W. Curry, G. S. Nelson, B. T. Wyman, J. Declerck, M. Talbot, R. D. Berger, E. R. McVeigh, and D. A. Kass, "**Mechanical dyssynchrony in dilated cardiomyopathy with intraventricular conduction delay as depicted by 3D tagged magnetic resonance imaging,**" *Circulation*, vol. 101, no. 1, pp. e2–e2, 2000.
- 108.B. T. Wyman, W. C. Hunter, F. W. Prinzen, and E. R. McVeigh, "**Mapping propagation of mechanical activation in the paced heart with MRI tagging,**" *American Journal of Physiology-Heart and Circulatory Physiology*, vol. 276, no. 3, pp. H881–H891, 1999.
- 109.B. T. Wyman, "**Mechanical evaluation of the paced heart using tagged magnetic resonance imaging,**" 1999.
- 110.F. W. Prinzen, W. C. Hunter, B. T. Wyman, and E. R. McVeigh, "**Mapping of regional myocardial strain and work during ventricular pacing: experimental study using magnetic resonance imaging tagging,**" *Journal of the American College of Cardiology*, vol. 33, no. 6, pp. 1735–1742, 1999.
- 111.F. W. Prinzen, W. C. Hunter, B. T. Wyman, and E. R. McVeigh, "**EXPERIMENTAL STUDIES-Mapping of Regional Myocardial Strain and Work During Ventricular Pacing Experimental Study Using Magnetic Resonance Imaging Tagging,**" *Journal of the American College of Cardiology*, vol. 33, no. 6, pp. 1735–1742, 1999.
- 112.I. Oznur, E. McVeigh, B. Wyman, J. Lima, D. Bluemke, and D. Kraitchman, "**Detection of viable myocardium with MRI after ischemic injury,**" 1998, vol. 98, no. 17, pp. 857–858.
- 113.I. Oznur, D. Kraitchman, B. Wyman, D. Bluemke, and E. McVeigh, "**Myocardial viability detection after myocardial stunning using 3D tagged MRI,**" 1998, vol. 209, pp. 229–229.
- 114.E. R. McVeigh, F. W. Prinzen, B. T. Wyman, J. E. Tsitlik, H. R. Halperin, and W. C. Hunter, "**Imaging asynchronous mechanical activation of the paced heart with tagged MRI,**" *Magnetic resonance in medicine*, vol. 39, no. 4, pp. 507–513, 1998.
- 115.C. Curry, B. Fetcs, B. Wyman, E. McVeigh, and D. Kass, "**Mechanical dyssynchrony at rest and with adrenergic stimulation in patients with dilated cardiomyopathy studied by MRI-tagging: Can it help identify candidates for chronic VDD pacing therapy?,**" 1998, vol. 98, no. 17, pp. 302–302.
- 116.S. E. Keilson, V. M. Richards, B. T. Wyman, and E. D. Young, "**The representation of concurrent vowels in the cat anesthetized ventral cochlear nucleus: evidence for a periodicity-tagged spectral representation,**" *The Journal of the Acoustical Society of America*, vol. 102, no. 2, pp. 1056–1071, 1997.