

# Stanford

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## Timothy Durazzo

Professor of Psychiatry and Behavioral Sciences (Public Mental Health and Population Sciences)

### Bio

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#### ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Psychiatry and Behavioral Sciences

#### COMMUNITY AND INTERNATIONAL WORK

- Commissioned Officer, CA Army National Guard

### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

The mission of the Durazzo BRASS lab is to better understand how the interplay between biomedical, psychological and social factors influence treatment outcome in Veterans and civilians seeking treatment for alcohol and substance use disorders. To accomplish this mission, our multidisciplinary team integrates information from advanced neuroimaging, neurocognitive assessment, psychodiagnostic and genotyping methods to identify the biopsychosocial factors associated with relapse and sustained sobriety. Veteran's Administration and Stanford funded Clinical trials are currently being conducted by the BRASS lab that evaluate repetitive transcranial magnetic stimulation techniques as novel complementary treatments to reduce the high rate of relapse experienced by individuals with alcohol and substance abuse disorders. The ultimate goal of our multidisciplinary research program is to promote the development of more effective biomedical and behavioral treatments for alcohol and substance use disorders through consideration of the brain biology, psychology and social circumstances of each individual.

#### CLINICAL TRIALS

- Examining the Effectiveness of Deep TMS in Veterans With Alcohol Use Disorder, Not Recruiting

### Publications

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#### PUBLICATIONS

- **Frontal Brain N-Acetylaspartate at Treatment Entry is Related to Future WHO Risk Drinking Levels in Individuals with Alcohol Use Disorder.** *Journal of studies on alcohol and drugs*  
May, A. C., Stephens, L. H., Kraybill, E. P., Meyerhoff, D. J., Durazzo, T. C.  
2024
- **Greater ventral striatal functional connectivity in cigarette smokers relative to non-smokers across a spectrum of alcohol consumption.** *Brain imaging and behavior*  
Halcomb, M. E., Dziedzic, M., Avena-Koenigsberger, A., Hile, K. L., Durazzo, T. C., Yoder, K. K.  
2024
- **Pro-atherogenic medical conditions are associated with widespread regional brain metabolite abnormalities in those with alcohol use disorder.** *Alcohol and alcoholism (Oxford, Oxfordshire)*  
Durazzo, T. C., Kraybill, E. P., Stephens, L. H., May, A. C., Meyerhoff, D. J.  
2024; 59 (5)
- **Regional cortical brain volumes at treatment entry relates to post treatment WHO risk drinking levels in those with alcohol use disorder.** *Drug and alcohol dependence*

- Durazzo, T. C., Stephens, L. H., Kraybill, E. P., May, A. C., Meyerhoff, D. J.  
2024; 255: 111082
- **A pilot, randomized clinical trial: Left dorsolateral prefrontal cortex intermittent theta burst stimulation improves treatment outcomes in veterans with alcohol use disorder.** *Alcohol, clinical & experimental research*  
Padula, C. B., McCalley, D. M., Tenekedjieva, L., MacNiven, K., Rauch, A., Morales, J. M., Knutson, B., Humphreys, K., Williams, L. M., Durazzo, T. C.  
2024; 48 (1): 164-177
  - **Leadership Styles Experienced During Military Service Predict Later Anhedonic Depressive Symptoms and Self-Efficacy in Veterans With Alcohol Use Disorder.** *Military medicine*  
Durazzo, T. C., Humphreys, K., LaRocca, M. A.  
2023
  - **Non-abstinent recovery in alcohol use disorder is associated with greater regional cortical volumes than heavy drinking** *ALCOHOL-CLINICAL AND EXPERIMENTAL RESEARCH*  
May, A. C., Meyerhoff, D. J., Durazzo, T. C.  
2023: 1850-1858
  - **Regional cortical thickness recovery with extended abstinence after treatment in those with alcohol use disorder.** *Alcohol (Fayetteville, N.Y.)*  
Durazzo, T. C., Stephens, L. H., Meyerhoff, D. J.  
2023
  - **BDNF rs6265 Met carriers with alcohol use disorder show greater age-related decline of N-acetylaspartate in left dorsolateral prefrontal cortex.** *Drug and alcohol dependence*  
Durazzo, T. C., McNerney, M. W., Hansen, A. M., Gu, M., Sacchet, M. D., Padula, C. B.  
2023; 248: 109901
  - **Active Cigarette Smoking Is Associated With Increased Age-Related Decline on Measures of Visuospatial Learning and Memory and Executive Function in Alcohol Use Disorder.** *Alcohol and alcoholism (Oxford, Oxfordshire)*  
Padula, C. B., Durazzo, T. C.  
2022
  - **Targeting the Salience Network: A Mini-Review on a Novel Neuromodulation Approach for Treating Alcohol Use Disorder.** *Frontiers in psychiatry*  
Padula, C. B., Tenekedjieva, L., McCalley, D. M., Al-Dasouqi, H., Hanlon, C. A., Williams, L. M., Kozel, F. A., Knutson, B., Durazzo, T. C., Yesavage, J. A., Madore, M. R.  
2022; 13: 893833
  - **Repetitive Transcranial Magnetic Stimulation as a Treatment for Veterans with Cognitive Impairment and Multiple Comorbidities.** *Journal of Alzheimer's disease : JAD*  
Cheng, J., Fairchild, J. K., McNerney, M. W., Noda, A., Ashford, J. W., Suppes, P., Chao, S. Z., Taylor, J., Rosen, A., Durazzo, T., Lazzeroni, L. C., Yesavage, J.  
1800
  - **GABA concentrations in the anterior cingulate and dorsolateral prefrontal cortices: Associations with chronic cigarette smoking, neurocognition, and decision making.** *Addiction biology*  
Durazzo, T. C., Meyerhoff, D. J.  
2021; 26 (3): e12948
  - **The Role of Neural Reward Expectancy and Valuation in Readiness to Change Among Treatment Seeking Veterans With Alcohol Use Disorder (AUD)**  
Hagerty, S. L., Durazzo, T. C., Williams, L. M., Padula, C. B.  
ELSEVIER SCIENCE INC.2021: S342
  - **Not All Is Lost for Relapsers: Relapsers With Low WHO Risk Drinking Levels and Complete Abstainers Have Comparable Regional Gray Matter Volumes** *ALCOHOLISM-CLINICAL AND EXPERIMENTAL RESEARCH*  
Meyerhoff, D. J., Durazzo, T. C.  
2020
  - **Evaluation of adding the CANTAB computerized neuropsychological assessment battery to a traditional battery in a tertiary care center for veterans** *APPLIED NEUROPSYCHOLOGY-ADULT*  
Schulz-Heik, R., Fahimi, A., Durazzo, T. C., Friedman, M., Bayley, P. J.  
2020; 27 (3): 256-66

- **Predicting relapse after alcohol use disorder treatment in a high-risk cohort: The roles of anhedonia and smoking.** *Journal of psychiatric research*  
Nguyen, L., Durazzo, T. C., Dwyer, C. L., Rauch, A. A., Humphreys, K., Williams, L. M., Padula, C. B.  
2020; 126: 1–7
- **Cigarette Smoking History is associated with Poorer Recovery in Multiple Neurocognitive Domains Following Treatment for an Alcohol Use Disorder.** *Alcohol (Fayetteville, N.Y.)*  
Durazzo, T. C., Meyerhoff, D. J.  
2020
- **Medical Conditions Linked to Atherosclerosis Are Associated With Magnified Cortical Thinning in Individuals With Alcohol Use Disorders.** *Alcohol and alcoholism (Oxford, Oxfordshire)*  
Durazzo, T. C., Nguyen, L. C., Meyerhoff, D. J.  
2020
- **Modeling neurocognitive and neurobiological recovery in addiction** *COGNITION AND ADDICTION: A RESEARCHER'S GUIDE FROM MECHANISMS TOWARDS INTERVENTIONS*  
Meyerhoff, D. J., Durazzo, T. C., VerdejoGarcia, A.  
2020: 379–92
- **Evaluation of adding the CANTAB computerized neuropsychological assessment battery to a traditional battery in a tertiary care center for veterans.** *Applied neuropsychology. Adult*  
Schulz-Heik, R. J., Fahimi, A., Durazzo, T. C., Friedman, M., Bayley, P. J.  
2019: 1–11
- **Changes of frontal cortical subregion volumes in alcohol dependent individuals during early abstinence: associations with treatment outcome.** *Brain imaging and behavior*  
Durazzo, T. C., Meyerhoff, D. J.  
2019
- **Cerebellar Morphometry and Cognition in the Context of Chronic Alcohol Consumption and Cigarette Smoking.** *Alcoholism, clinical and experimental research*  
Cardenas, V. A., Hough, C. M., Durazzo, T. C., Meyerhoff, D. J.  
2019
- **White matter microstructural correlates of relapse in alcohol dependence** *PSYCHIATRY RESEARCH-NEUROIMAGING*  
Zou, Y., Murray, D. E., Durazzo, T. C., Schmidt, T. P., Murray, T. A., Meyerhoff, D. J.  
2018; 281: 92-100
- **Cigarette smoking is associated with cortical thinning in anterior frontal regions, insula and regions showing atrophy in early Alzheimer's Disease** *DRUG AND ALCOHOL DEPENDENCE*  
Durazzo, T. C., Meyerhoff, D. J., Yoder, K. K.  
2018; 192: 277-284
- **Cigarette smoking is associated with cortical thinning in anterior frontal regions, insula and regions showing atrophy in early Alzheimer's Disease.** *Drug and alcohol dependence*  
Durazzo, T. C., Meyerhoff, D. J., Yoder, K. K.  
2018; 192: 277–84
- **White matter microstructural correlates of relapse in alcohol dependence.** *Psychiatry research. Neuroimaging*  
Zou, Y., Murray, D. E., Durazzo, T. C., Schmidt, T. P., Murray, T. A., Meyerhoff, D. J.  
2018; 281: 92–100
- **Regional Brain Volume Changes in Alcohol-Dependent Individuals During Short-Term and Long-Term Abstinence** *ALCOHOLISM-CLINICAL AND EXPERIMENTAL RESEARCH*  
Zou, X., Durazzo, T. C., Meyerhoff, D. J.  
2018; 42 (6): 1062–72
- **Differences in White Matter Microstructure and Connectivity in Nontreatment-Seeking Individuals with Alcohol Use Disorder** *ALCOHOLISM-CLINICAL AND EXPERIMENTAL RESEARCH*  
Chumin, E. J., Goni, J., Halcomb, M. E., Durazzo, T. C., Dziedzic, M., Yoder, K. K.  
2018; 42 (5): 889–96

- **Brain GABA and Glutamate Concentrations Following Chronic Gabapentin Administration: A Convenience Sample Studied During Early Abstinence From Alcohol** *FRONTIERS IN PSYCHIATRY*  
Meyerhoff, D. J., Murray, D. E., Durazzo, T. C., Pennington, D. L.  
2018; 9: 78
- **Regional cerebral blood flow in opiate dependence relates to substance use and neuropsychological performance** *ADDICTION BIOLOGY*  
Murray, D. E., Durazzo, T. C., Schmidt, T. P., Murray, T. A., Abe, C., Guydish, J., Meyerhoff, D. J.  
2018; 23 (2): 781-95
- **Cigarette smoking is associated with amplified age-related volume loss in subcortical brain regions.** *Drug and alcohol dependence*  
Durazzo, T. C., Meyerhoff, D. J., Yoder, K. K., Murray, D. E.  
2017; 177: 228-236
- **Effects of abstinence and chronic cigarette smoking on white matter microstructure in alcohol dependence: Diffusion tensor imaging at 4T.** *Drug and alcohol dependence*  
Zou, Y., Murray, D. E., Durazzo, T. C., Schmidt, T. P., Murray, T. A., Meyerhoff, D. J.  
2017; 175: 42-50
- **Neurocognition and inhibitory control in polysubstance use disorders: Comparison with alcohol use disorders and changes with abstinence** *JOURNAL OF CLINICAL AND EXPERIMENTAL NEUROPSYCHOLOGY*  
Schmidt, T. P., Pennington, D. L., Cardoos, S. L., Durazzo, T. C., Meyerhoff, D. J.  
2017; 39 (1): 22-34
- **Psychiatric, Demographic, and Brain Morphological Predictors of Relapse After Treatment for an Alcohol Use Disorder.** *Alcoholism, clinical and experimental research*  
Durazzo, T. C., Meyerhoff, D. J.  
2017; 41 (1): 107-116
- **Regional brain volume changes in alcohol-dependent individuals during early abstinence: associations with relapse following treatment.** *Addiction Biology*  
Durazzo, T. C., Mon, A., Gazdzinski, S., Meyerhoff, D. J.  
2017; 22 (5): 1416-1425
- **Neurocognition and inhibitory control in polysubstance use disorders: Comparison with alcohol use disorders and changes with abstinence.** *Journal of clinical and experimental neuropsychology*  
Schmidt, T. P., Pennington, D. L., Cardoos, S. L., Durazzo, T. C., Meyerhoff, D. J.  
2016: 1-13
- **Fat may affect magnetic resonance signal intensity and brain tissue volumes.** *Obesity research & clinical practice*  
Mon, A., Abé, C., Durazzo, T. C., Meyerhoff, D. J.  
2016; 10 (2): 211-5
- **Frontal Metabolite Concentration Deficits in Opiate Dependence Relate to Substance Use, Cognition, and Self-Regulation.** *Journal of addiction research & therapy*  
Murray, D. E., Durazzo, T. C., Schmidt, T. P., Abé, C., Guydish, J., Meyerhoff, D. J.  
2016; 7 (4)
- **Active Cigarette Smoking in Cognitively-Normal Elders and Probable Alzheimer's Disease is Associated with Elevated Cerebrospinal Fluid Oxidative Stress Biomarkers.** *Journal of Alzheimer's disease : JAD*  
Durazzo, T. C., Korecka, M., Trojanowski, J. Q., Weiner, M. W., O' Hara, R., Ashford, J. W., Shaw, L. M.  
2016; 54 (1): 99-107
- **Chronic Cigarette Smoking in Healthy Middle-Aged Individuals Is Associated With Decreased Regional Brain N-acetylaspartate and Glutamate Levels.** *Biological psychiatry*  
Durazzo, T. C., Meyerhoff, D. J., Mon, A., Abé, C., Gazdzinski, S., Murray, D. E.  
2016; 79 (6): 481-8
- **Interaction of Cigarette Smoking History With APOE Genotype and Age on Amyloid Level, Glucose Metabolism, and Neurocognition in Cognitively Normal Elders.** *Nicotine & tobacco research : official journal of the Society for Research on Nicotine and Tobacco*  
Durazzo, T. C., Mattsson, N., Weiner, M. W.  
2016; 18 (2): 204-11

- **Serial longitudinal magnetic resonance imaging data indicate non-linear regional gray matter volume recovery in abstinent alcohol-dependent individuals.** *Addiction biology*  
Durazzo, T. C., Mon, A., Gazdzinski, S., Yeh, P. H., Meyerhoff, D. J.  
2015; 20 (5): 956-67
- **Comparison of Regional Brain Perfusion Levels in Chronically Smoking and Non-Smoking Adults.** *International journal of environmental research and public health*  
Durazzo, T. C., Meyerhoff, D. J., Murray, D. E.  
2015; 12 (7): 8198-213
- **Brain perfusion in polysubstance users: relationship to substance and tobacco use, cognition, and self-regulation.** *Drug and alcohol dependence*  
Murray, D. E., Durazzo, T. C., Mon, A., Schmidt, T. P., Meyerhoff, D. J.  
2015; 150: 120-8
- **Alcohol use disorder with and without stimulant use: brain morphometry and its associations with cigarette smoking, cognition, and inhibitory control.** *PLoS one*  
Pennington, D. L., Durazzo, T. C., Schmidt, T. P., Abé, C., Mon, A., Meyerhoff, D. J.  
2015; 10 (3): e0122505
- **Effects of cigarette smoking history on neurocognitive recovery over 8 months of abstinence in alcohol-dependent individuals.** *Alcoholism, clinical and experimental research*  
Durazzo, T. C., Pennington, D. L., Schmidt, T. P., Meyerhoff, D. J.  
2014; 38 (11): 2816-25
- **Genetic and behavioral determinants of hippocampal volume recovery during abstinence from alcohol.** *Alcohol (Fayetteville, N.Y.)*  
Hofer, M. E., Pennington, D. L., Durazzo, T. C., Mon, A., Abé, C., Truran, D., Hutchison, K. E., Meyerhoff, D. J.  
2014; 48 (7): 631-8
- **Structural brain differences in alcohol-dependent individuals with and without comorbid substance dependence.** *Drug and alcohol dependence*  
Mon, A., Durazzo, T. C., Abe, C., Gazdzinski, S., Pennington, D., Schmidt, T., Meyerhoff, D. J.  
2014; 144: 170-7
- **History of cigarette smoking in cognitively-normal elders is associated with elevated cerebrospinal fluid biomarkers of oxidative stress.** *Drug and alcohol dependence*  
Durazzo, T. C., Mattsson, N., Weiner, M. W., Korecka, M., Trojanowski, J. Q., Shaw, L. M.  
2014; 142: 262-8
- **Postural stability in cigarette smokers and during abstinence from alcohol.** *Alcoholism, clinical and experimental research*  
Schmidt, T. P., Pennington, D. L., Durazzo, T. C., Meyerhoff, D. J.  
2014; 38 (6): 1753-60
- **Smoking and increased Alzheimer's disease risk: a review of potential mechanisms.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*  
Durazzo, T. C., Mattsson, N., Weiner, M. W.  
2014; 10 (3 Suppl): S122-45
- **Interactive effects of chronic cigarette smoking and age on brain volumes in controls and alcohol-dependent individuals in early abstinence.** *Addiction biology*  
Durazzo, T. C., Mon, A., Pennington, D., Abé, C., Gazdzinski, S., Meyerhoff, D. J.  
2014; 19 (1): 132-43
- **Effects of fat on MR-measured metabolite signal strengths: implications for in vivo MRS studies of the human brain.** *NMR in biomedicine*  
Mon, A., Abé, C., Durazzo, T. C., Meyerhoff, D. J.  
2013; 26 (12): 1768-74
- **Loss in connectivity among regions of the brain reward system in alcohol dependence.** *Human brain mapping*  
Kuceyeski, A., Meyerhoff, D. J., Durazzo, T. C., Raj, A.  
2013; 34 (12): 3129-42
- **Interactive effects of chronic cigarette smoking and age on hippocampal volumes.** *Drug and alcohol dependence*  
Durazzo, T. C., Meyerhoff, D. J., Nixon, S. J.

2013; 133 (2): 704-11

- **Neurocognition in 1-month-abstinent treatment-seeking alcohol-dependent individuals: interactive effects of age and chronic cigarette smoking.** *Alcoholism, clinical and experimental research*  
Durazzo, T. C., Pennington, D. L., Schmidt, T. P., Mon, A., Abé, C., Meyerhoff, D. J.  
2013; 37 (10): 1794-803
- **The effects of chronic cigarette smoking on cognitive recovery during early abstinence from alcohol.** *Alcoholism, clinical and experimental research*  
Pennington, D. L., Durazzo, T. C., Schmidt, T. P., Mon, A., Abé, C., Meyerhoff, D. J.  
2013; 37 (7): 1220-7
- **Metabolic abnormalities in lobar and subcortical brain regions of abstinent polysubstance users: magnetic resonance spectroscopic imaging.** *Alcohol and alcoholism (Oxford, Oxfordshire)*  
Abé, C., Mon, A., Hoefler, M. E., Durazzo, T. C., Pennington, D. L., Schmidt, T. P., Meyerhoff, D. J.  
2013; 48 (5): 543-51
- **Chronic alcohol consumption, abstinence and relapse: brain proton magnetic resonance spectroscopy studies in animals and humans.** *Current topics in behavioral neurosciences*  
Meyerhoff, D. J., Durazzo, T. C., Ende, G.  
2013; 13: 511-40
- **The influence of chronic cigarette smoking on neurocognitive recovery after mild traumatic brain injury.** *Journal of neurotrauma*  
Durazzo, T. C., Abadjian, L., Kincaid, A., Bilovsky-Muniz, T., Boreta, L., Gauger, G. E.  
2013; 30 (11): 1013-22
- **Polysubstance and alcohol dependence: unique abnormalities of magnetic resonance-derived brain metabolite levels.** *Drug and alcohol dependence*  
Abé, C., Mon, A., Durazzo, T. C., Pennington, D. L., Schmidt, T. P., Meyerhoff, D. J.  
2013; 130 (1-3): 30-7
- **Chronic cigarette smoking in alcohol dependence: associations with cortical thickness and N-acetylaspartate levels in the extended brain reward system.** *Addiction biology*  
Durazzo, T. C., Mon, A., Gazdzinski, S., Meyerhoff, D. J.  
2013; 18 (2): 379-91
- **Neurometabolite concentration and clinical features of chronic alcohol use: a proton magnetic resonance spectroscopy study.** *Psychiatry research*  
Yeo, R. A., Thoma, R. J., Gasparovic, C., Monnig, M., Harlaar, N., Calhoun, V. D., Kalyanam, R., Mayer, A. R., Durazzo, T. C., Hutchison, K. E.  
2013; 211 (2): 141-7
- **Brain-derived neurotrophic factor genotype is associated with brain gray and white matter tissue volumes recovery in abstinent alcohol-dependent individuals.** *Genes, brain, and behavior*  
Mon, A., Durazzo, T. C., Gazdzinski, S., Hutchison, K. E., Pennington, D., Meyerhoff, D. J.  
2013; 12 (1): 98-107
- **Greater regional brain atrophy rate in healthy elderly subjects with a history of cigarette smoking.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*  
Durazzo, T. C., Insel, P. S., Weiner, M. W.  
2012; 8 (6): 513-9
- **Associations of Cigarette Smoking and Polymorphisms in Brain-Derived Neurotrophic Factor and Catechol-O-Methyltransferase with Neurocognition in Alcohol Dependent Individuals during Early Abstinence.** *Frontiers in pharmacology*  
Durazzo, T. C., Hutchison, K. E., Fryer, S. L., Mon, A., Meyerhoff, D. J.  
2012; 3: 178
- **Glutamate, GABA, and other cortical metabolite concentrations during early abstinence from alcohol and their associations with neurocognitive changes.** *Drug and alcohol dependence*  
Mon, A., Durazzo, T. C., Meyerhoff, D. J.  
2012; 125 (1-2): 27-36
- **A comprehensive assessment of neurocognition in middle-aged chronic cigarette smokers.** *Drug and alcohol dependence*  
Durazzo, T. C., Meyerhoff, D. J., Nixon, S. J.  
2012; 122 (1-2): 105-11

- **A mathematical formula for prediction of gray and white matter volume recovery in abstinent alcohol dependent individuals.** *Psychiatry research*  
Mon, A., Delucchi, K., Durazzo, T. C., Gazdzinski, S., Meyerhoff, D. J.  
2011; 194 (2): 198-204
- **Brain morphology at entry into treatment for alcohol dependence is related to relapse propensity.** *Biological psychiatry*  
Cardenas, V. A., Durazzo, T. C., Gazdzinski, S., Mon, A., Studholme, C., Meyerhoff, D. J.  
2011; 70 (6): 561-7
- **Cortical thickness, surface area, and volume of the brain reward system in alcohol dependence: relationships to relapse and extended abstinence.** *Alcoholism, clinical and experimental research*  
Durazzo, T. C., Tosun, D., Buckley, S., Gazdzinski, S., Mon, A., Fryer, S. L., Meyerhoff, D. J.  
2011; 35 (6): 1187-200
- **Body mass index is associated with brain metabolite levels in alcohol dependence--a multimodal magnetic resonance study.** *Alcoholism, clinical and experimental research*  
Gazdzinski, S., Durazzo, T. C., Mon, A., Meyerhoff, D. J.  
2010; 34 (12): 2089-96
- **Measures of learning, memory and processing speed accurately predict smoking status in short-term abstinent treatment-seeking alcohol-dependent individuals.** *Alcohol and alcoholism (Oxford, Oxfordshire)*  
Durazzo, T. C., Fryer, S. L., Rothlind, J. C., Vertinski, M., Gazdzinski, S., Mon, A., Meyerhoff, D. J.  
2010; 45 (6): 507-13
- **Chronic cigarette smoking: implications for neurocognition and brain neurobiology.** *International journal of environmental research and public health*  
Durazzo, T. C., Meyerhoff, D. J., Nixon, S. J.  
2010; 7 (10): 3760-91
- **Cortical perfusion in alcohol-dependent individuals during short-term abstinence: relationships to resumption of hazardous drinking after treatment.** *Alcohol (Fayetteville, N.Y.)*  
Durazzo, T. C., Gazdzinski, S., Mon, A., Meyerhoff, D. J.  
2010; 44 (3): 201-10
- **Cerebral white matter recovery in abstinent alcoholics--a multimodality magnetic resonance study.** *Brain : a journal of neurology*  
Gazdzinski, S., Durazzo, T. C., Mon, A., Yeh, P. H., Meyerhoff, D. J.  
2010; 133 (Pt 4): 1043-53
- **BMI and neuronal integrity in healthy, cognitively normal elderly: a proton magnetic resonance spectroscopy study.** *Obesity (Silver Spring, Md.)*  
Gazdzinski, S., Millin, R., Kaiser, L. G., Durazzo, T. C., Mueller, S. G., Weiner, M. W., Meyerhoff, D. J.  
2010; 18 (4): 743-8
- **Metabolite levels in the brain reward pathway discriminate those who remain abstinent from those who resume hazardous alcohol consumption after treatment for alcohol dependence.** *Journal of studies on alcohol and drugs*  
Durazzo, T. C., Pathak, V., Gazdzinski, S., Mon, A., Meyerhoff, D. J.  
2010; 71 (2): 278-89
- **The impact of chronic cigarette smoking on recovery from cortical gray matter perfusion deficits in alcohol dependence: longitudinal arterial spin labeling MRI.** *Alcoholism, clinical and experimental research*  
Mon, A., Durazzo, T. C., Gazdzinski, S., Meyerhoff, D. J.  
2009; 33 (8): 1314-21
- **Tract-Based Spatial Statistics (TBSS) of diffusion tensor imaging data in alcohol dependence: abnormalities of the motivational neurocircuitry.** *Psychiatry research*  
Yeh, P. H., Simpson, K., Durazzo, T. C., Gazdzinski, S., Meyerhoff, D. J.  
2009; 173 (1): 22-30
- **MRSI and DTI: a multimodal approach for improved detection of white matter abnormalities in alcohol and nicotine dependence.** *NMR in biomedicine*  
Wang, J. J., Durazzo, T. C., Gazdzinski, S., Yeh, P. H., Mon, A., Meyerhoff, D. J.  
2009; 22 (5): 516-22
- **Combined neuroimaging, neurocognitive and psychiatric factors to predict alcohol consumption following treatment for alcohol dependence.** *Alcohol and alcoholism (Oxford, Oxfordshire)*

- Durazzo, T. C., Gazdzinski, S., Yeh, P. H., Meyerhoff, D. J.  
2008; 43 (6): 683-91
- **The relationships of sociodemographic factors, medical, psychiatric, and substance-misuse co-morbidities to neurocognition in short-term abstinent alcohol-dependent individuals.** *Alcohol (Fayetteville, N.Y.)*  
Durazzo, T. C., Rothlind, J. C., Gazdzinski, S., Meyerhoff, D. J.  
2008; 42 (6): 439-49
  - **Proton magnetic resonance spectroscopy in alcohol use disorders: a potential new endophenotype?** *Alcoholism, clinical and experimental research*  
Meyerhoff, D. J., Durazzo, T. C.  
2008; 32 (7): 1146-58
  - **Are treated alcoholics representative of the entire population with alcohol use disorders? A magnetic resonance study of brain injury.** *Alcohol (Fayetteville, N.Y.)*  
Gazdzinski, S., Durazzo, T. C., Weiner, M. W., Meyerhoff, D. J.  
2008; 42 (2): 67-76
  - **Chronic cigarette smoking modulates injury and short-term recovery of the medial temporal lobe in alcoholics.** *Psychiatry research*  
Gazdzinski, S., Durazzo, T. C., Yeh, P. H., Hardin, D., Banys, P., Meyerhoff, D. J.  
2008; 162 (2): 133-45
  - **Hierarchical linear modeling (HLM) of longitudinal brain structural and cognitive changes in alcohol-dependent individuals during sobriety.** *Drug and alcohol dependence*  
Yeh, P. H., Gazdzinski, S., Durazzo, T. C., Sjöstrand, K., Meyerhoff, D. J.  
2007; 91 (2-3): 195-204
  - **Chronic cigarette smoking and heavy drinking in human immunodeficiency virus: consequences for neurocognition and brain morphology.** *Alcohol (Fayetteville, N.Y.)*  
Durazzo, T. C., Rothlind, J. C., Cardenas, V. A., Studholme, C., Weiner, M. W., Meyerhoff, D. J.  
2007; 41 (7): 489-501
  - **Chronic smoking is associated with differential neurocognitive recovery in abstinent alcoholic patients: a preliminary investigation.** *Alcoholism, clinical and experimental research*  
Durazzo, T. C., Rothlind, J. C., Gazdzinski, S., Banys, P., Meyerhoff, D. J.  
2007; 31 (7): 1114-27
  - **The neurobiological and neurocognitive consequences of chronic cigarette smoking in alcohol use disorders.** *Alcohol and alcoholism (Oxford, Oxfordshire)*  
Durazzo, T. C., Gazdzinski, S., Meyerhoff, D. J.  
2007; 42 (3): 174-85
  - **Neurobiological and neurocognitive effects of chronic cigarette smoking and alcoholism.** *Frontiers in bioscience : a journal and virtual library*  
Durazzo, T. C., Meyerhoff, D. J.  
2007; 12: 4079-100
  - **Non-treatment-seeking heavy drinkers: effects of chronic cigarette smoking on brain structure.** *Drug and alcohol dependence*  
Durazzo, T. C., Cardenas, V. A., Studholme, C., Weiner, M. W., Meyerhoff, D. J.  
2007; 87 (1): 76-82
  - **Deformation-based morphometry of brain changes in alcohol dependence and abstinence.** *NeuroImage*  
Cardenas, V. A., Studholme, C., Gazdzinski, S., Durazzo, T. C., Meyerhoff, D. J.  
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