e-ISSN:2319-9865
p-ISSN:2322-0104

Research & Reviews: Journal of Medical and Health Sciences

Alcohol Intervention during Pregnancy

K Anuja*

Andhra University, Andhra Pradesh, India

Review Article

Received date: 28/07/2016
Accepted date: 28/07/2016
Published date: 04/08/2016

***For Correspondence**

K Anuja, Andhra University, Andhra Pradesh, India, Tel: 8984385257.

E-mail: kanuja7@rediffmail.com

Keywords: Alcohol, Pregnancy, Drinking, FASDs, Mental.

ABSTRACT

The point is to portray the hypothesis and routine of brief liquor intercessions and give an outline of the present confirmation base, including insights about the four randomized controlled trials that have been directed with pregnant ladies. Open doors for giving liquor mediations to pregnant ladies in antenatal consideration are likewise tended to. Open doors for giving liquor intercessions to pregnant ladies in antenatal consideration are likewise tended to. Brief mediation has risen as a promising way to deal with give early intercession, before or not long after the onset of liquor related issues.

INTRODUCTION

The intercessions were viable in lessening liquor utilization; however control bunch members additionally decreased their utilization to the extent that measurably noteworthy contrasts between the gatherings were hard to recognize [1-10]. Pregnant ladies are for the most part accepted to be profoundly energetic to lessen their liquor consumption, and the logical change gave by the pregnancy gives a chance to break constant drinking conduct. Drinking liquor amid pregnancy can bring about Fetal Alcohol Spectrum Disorder (FASDs) [11-15]. As per National Drug Research Institute's, when a pregnant ladies drinks alcohol, the grouping of liquor that enters her blood framework likewise enters the blood arrangement of the creating baby. Liquor goes about as a teratogen or toxin on the creating cerebrum, changing the way mind cells create and increase. Scrutinize additionally recommends that liquor related chromosomal harm can happen amid previously established inclination as the egg and sperm create, and that liquor can effect on newborn child mental health amid breastfeeding. The term FASDs is utilized to characterize the range of physical, mental, behavioral, and/or learning handicaps that can come about because of pre-birth liquor presentation [15-30]. Fetal liquor disorder (FAS) is a standout amongst the most serious results of drinking liquor amid pregnancy. As we probably aware families and companions impact ladies' choice to drink or to swear off liquor and that higher social backing before pregnancy is connected with diminished danger of drinking amid pregnancy [31]. Endeavors in FASD ought to likewise concentrate on the early years (0-5) with settings, for example, playgroup, day care and pre-school giving chances to draw in youthful moms around a version of FASD and also the early identification of suspected FAS/FASD. This expands on chances to advise moms before resulting pregnancies and additionally utilizing 'verbal' by means of newborn child wellbeing and other bolster systems for first-time moms to disperse FASD anticipation messages. Orderly audits of intercessions conveyed amid pre-birth care propose that there is case of fruitful mediation; however their viability changes generally speaking [32-50].

Drinking seven or more standard beverages every week might be destructive, and can bring about development limitations in infants; hitting the bottle hard and overwhelming liquor utilization can prompt learning challenges, conduct issues and physical handicaps in youngsters. Four randomized controlled studies were incorporated into the survey; singular studies recommend that instructive and guiding intercessions may urge ladies to refuse liquor or lessen the measure of liquor they drink in pregnancy [51-59]. Of unique concern is the way that numerous ladies are regularly ignorant of their pregnancy status and may drink liquor well into the principal trimester before acknowledgment of the pregnancy. This example was affirmed in our specimen of low-salary ladies: 62% of post-origination consumers reported drinking before pregnancy acknowledgment [60-74]. The staying 38%

of ladies who reported kept drinking taking after pregnancy acknowledgment were not screened, all things considered, until 18 weeks incubation, very much into their second trimester, and later enlistment was observed to be connected with lower rates of restraint. These discoveries recommend that more-forceful techniques for early discovery are expected to distinguish ladies who require more-concentrated intercession. The studies included ladies who were under 28 weeks pregnant who were devouring some liquor. Ladies in the brief mediation condition were 5 times more prone to report restraint after intercession contrasted and ladies in the appraisal just condition. Infants whose moms got brief intercession had higher birth weights and birth lengths, and fetal death rates were 3 times lower (0.9%) contrasted and babies in the evaluation just (2.9%) condition [74-84]. The proof from the predetermined number of studies proposes that mental and instructive mediations may bring about expanded restraint from liquor, and a diminishment in liquor utilization among pregnant ladies. Be that as it may, results were not reliable, and the lack of studies, the quantity of aggregate members, the high danger of inclination of a portion of the studies, and the many-sided quality of intercessions confines our capacity to decide the sort of mediation which would be best in expanding forbearance from, or lessening the utilization of, liquor among pregnant ladies. Brief mediation gave by non-medically prepared wellbeing experts (WIC nutritionists) turned out to be exceedingly fruitful for decreasing liquor utilization amid pregnancy and enhancing infant results [84-92]. The accomplishment of brief mediation with low-wage minority ladies who frequently don't have satisfactory medical coverage or pre-birth care proposes that the projects like WIC could be instrumental in counteracting liquor uncovered pregnancies. Given the across the country nearness of WIC focuses and the similar administrations gave crosswise over focuses, there is a noteworthy chance to ensure an extensive number of kids at danger in light of liquor presentation amid pregnancy [92-98].

REFERENCES

1. Moinuddin A, et al. Alcohol consumption and gender: A critical review. J Psychol Psychother. 2016;6:267.
2. Marsh TN, et al. Impact of indigenous healing and seeking safety on intergenerational trauma and substance use in an aboriginal sample. J Addict Res Ther. 2016;7:284.
3. Barbaro M and Locatelli M. The markers for alcohol abuse: The good, the bad and the ugly. J Alcohol Drug Depend. 2016.
4. Ye R. The effect of gorbachevs anti-alcohol campaign on road traffic accidents mortality in belarus. J Alcohol Drug Depend. 2016.
5. Lebeaupin C, et al. Role of ER stress in inflammasome activation and non-alcoholic fatty liver disease progression. Single Cell Biol. 2015;4:140.
6. Chidi O and Peter OI. Kinetics and mechanism of ethyl acetate production using eco-benign solid catalyst. J Phys Chem Biophys. 2016;6.
7. Althobaiti YS and Sari Y. Alcohol interactions with psychostimulants: An overview of animal and human studies. J Addict Res Ther. 2016;7:281.
8. Jyothi NU, et al. The study of use of obsessive compulsive drinking scale, for craving in alcohol-dependent patients: Relationship to alcoholism severity. J Neurol Disord. 2016: s2-003.
9. Snow C, et al. Alcoholism and catatonia: An underappreciated relationship. J Gerontol Geriatr Res. 2016;5:314.
10. Soave C, et al. Repositioning an old anti-alcoholism drug: Disulfiram as a selective, effective and economical anticancer agent. J Develop Drugs.
11. Chavan GN, et al. Spinal anesthesia as an alternative to general anesthesia for emergency laprotomies in asa grade iii and iv patients. An observational study at rims, Adilabad, Telangana. J Anesth Clin Res.
12. Effiong JE, et al. Marital satisfaction, age and alcohol use during pregnancy: An empirical study of pregnant women in uyo metropolis, Nigeria. J Preg Child Health.
13. de la Monte SM, et al. Tobacco smoke-induced alterations in hepatic lipid profiles demonstrated by imaging mass spectrometry. Mass Spectrom Purif Tech. 2016;2:112.
14. Sevastianos VA and Dourakis SP. Alcoholic liver disease: A clinical review. J Nutr Food Sci. 2016;6:508.
15. Khaleel HA, et al. Alcohol sale status and suicide in Kentucky, 2005-2012. J Alcohol Drug Depend.
16. Heeren GA, et al. Development of a co-facilitator training programme to conduct a randomized controlled trial for a health promotion programme at a sub-Saharan African university. J Health Edu Res Dev. 2016;4:173.
17. Shushpanova TV, et al. The effect of chronic alcohol abuse on the benzodiazepine receptor system in various areas of the human brain. J Psychiatry.
18. Rasool PI and Adil HA. Dendrimers as an efficient catalyst for the oxidation of multi substituted alcohols. J Fertil Pestic. 2016;7:160.
19. Pierrefiche O, et al. Use of alcohol during pregnancy in France: Another French paradox? J Preg Child Health.
20. Shushpanova TV, et al. Cortical synaptogenesis in the human brain in conditions of prenatal alcoholization. Autism Open Access.

21. Anumolu PD, et al. Gas chromatographic assessment of residual solvents present in excipient-benzyl alcohol. J Chromatogr Sep Tech. 2016;7:321.

22. Suzanne M, et al. Tobacco smoke-induced hepatic injury with steatosis, inflammation and impairments in insulin and insulin-like growth factor signaling. J Clin Exp Pathol. 2016;6:269.

23. Zago A, et al. Alcohol use disorder and inflammatory cytokines in a population sample of young adults. J Alcohol Drug Depend. 2016.

24. Shushpanova TV, et al. Original anticonvulsant urea derivative alters the properties of benzodiazepine receptors central and peripheral types in the cerebral cortex of heavy drinkers rats. J Alcohol Drug Depend. 2016.

25. Yang C, et al. Implementation of computer-delivered brief alcohol intervention in HIV clinical settings: Who agrees to participate? J Addict Res Ther. 2016;7:276.

26. Nodine PM, et al. The impact of physical activity on sleep during pregnancy: A secondary analysis. Clinics Mother Child Health. 2016;13:245.

27. Zhu Q, et al. Genetic study of 12 SNPS involved in 11 folate metabolism genes and neural tube defects in Suzhou children. J Mol Genet Med. 2016;10:219.

28. Saleh MSN, et al. Practice management role in monitoring family medicine residents adherence to ACGME-i standards in Qatar. Fam Med Med Sci Res. 2016;5:202.

29. Blackburn P, et al. Abdominal wall varices in pregnancy-a case report and review of the literature. J Preg Child Health. 2016.

30. Maruotti GM, et al. Improving number of antepartum computerized fetal heart monitoring testing in women with preeclampsia with severe features does not improve maternal or perinatal outcome but improve the incidence of caesarean delivery. J Preg Child Health. 2016.

31. Omran AAS, et al. Prediction of pre-eclampsia with novel biomarkers at second trimester of pregnancy. J Clin Cell Immunol. 2016;7:435.

32. Hutchon DJR. The timing of fetal-maternal haemorrhage: Clinical and forensic implications. Glob J Nurs Forensic Stud. 2016;1:104.

33. Pregnancy with anemia and severe thrombocytopenia secondary to vitamin b12 deficiency: A rare presentation, proceedings of 3rd euro-global experts meeting on medical case reports.

34. Thromboelastometry-guided hemostatic therapy: An efficacious approach to manage bleeding risk in acute fatty liver of pregnancy: Case report, proceedings of 3rd euro-global experts meeting on medical case reports.

35. Childbearing and menstrual psychoses, proceedings of 3rd euro-global experts meeting on medical case reports.

36. Yildirim F, et al. Acute respiratory distress syndrome due to sepsis in pregnancy. J Clin Respir Dis Care. 2016;2:114.

37. Singh D. Vitamin D status in pregnant women of Udaipur. Biochem Anal Biochem. 2016;5:280.

38. Okunaiya GA, et al. Knowledge, attitude and practice of maternal and child food-based dietary guidelines among pregnant women in urban slum of Lagos state. Clinics Mother Child Health. 2016; 13:240.

39. Ababio GK, et al. Hyperuricemia and adverse pregnancy outcomes in Ghanaian women: potential mechanism. Biochem Anal Biochem. 2016;5:275.

40. Mallikarjuna MRE and Ganga V. Unanswered questions in pregnancy associated acute coronary syndrome: An argument for the creation of specific guidelines for the management of this condition. J Health Med Inform. 2016.

41. Brochu P and Socol AF. Ventilation rates during the aggregate daytime activities of working females in hospitals: Data before their pregnancy and at their 9th, 22nd and 36th week of gestation. J Clinic Toxicol. 2016;6:306.

42. Belachew T, et al. Postnatal care service utilization and associated factors among mothers in Lemo Woreda, Ethiopia. J Women's Health Care. 2015;5:318.

43. Obayashi Y, et al. The validity and reliability of a scale on postnatal posttraumatic stress symptoms related to childbirth among Japanese women: Evaluation of the Japanese-language version of the impact of event scale-revised. J Women's Health Care. 2016;5:316.

44. Yuan H, et al. The clinical outcomes of varicocelectomy and assisted reproductive technology to treat men infertility: A meta-analysis. Andrology (Los Angel). 5:159.

45. Romanowski MW, et al. Deep tissue massage and its effect on low back pain and functional capacity of pregnant women - a case study. J Nov Physiother. 2016;6:295.

46. Isobe F, et al. Effects of denosumab treatment during early pregnancy ã¢â€â“ a case report. J Nutr Disorders Ther. 2016;6:189.

47. Bucagu M. Improving maternal health in Rwanda: The role of community-based interventions: a systematic review (2005-2015). J Community Med Health Educ. 2015;6:434.

48. Ogura K, et al. A case of successful extracorporeal membrane oxygenation support for cardiac arrest associated with non-occlusive mesenteric ischemia. Emerg Med (Los Angel). 2016;6:322.

49. Bello A, et al. Prenatal development of Yankasa sheep (*Ovis aries*) kidney: A histomorphometric study. J Kidney. 2016;2:126.

50. Jovandaric MZ. The effect of abruptio placentae on perinatal outcome of pregnancy. J Clin Case Rep. 2016;6:775.

51. Zyiad KH, et al. Heterotopic cervical pregnancy. J Clin Case Rep. 2016;6:768.

52. Mitra M, et al. Comparison of the hemodynamic alterations in normotensive and pre-eclamptic pregnant woman posted for cesarean section under subarachnoid block. J Cardiovasc Dis Diagn. 2016;4:242.

53. Lerman MJ and Aronoff R. Severe hypocalcemia following spontaneous abortion in a renal transplant patient. Med Rep Case Stud. 2016;1:115.

54. Mizejewski GJ. Does elevated alpha-fetoprotein during pregnancy protect against breast cancer later in life? A commentary. Anat Physiol. 2016;2:e139.

55. Udoka OC, et al. The preterm effect of antiretroviral drugs on total lymphocyte cells and cd4 cells in HIV-infected pregnant women. J Blood Disord Transfus. 2016;7:353.

56. Duko B, et al. Perception, attitude and correlates of alcoholism and epilepsy among residents of Hawassa city, south Ethiopia, cross sectional study. J Psychiatry. 2016.

57. Raiker N, et al. Dermatologic signs and symptoms of substance abuse. J Clin Exp Dermatol Res. 2016;7:337.

58. Nithin SK, et al. Poly (vinyl alcohol) decorated lithium doped stannous oxide nanocomposites as highly flexible uva shieldants. Chem Sci J. 2016;7:121.

59. Kesebir S, et al. Metabolic syndrome in first manic episode: a comparison between patients with or without previous depressive episode. J Metabolic Synd. 2016;5:201.

60. Kamanin SS, et al. Enzyme-modified screen-printed electrodes for assaying glucose, ethanol, lactate and starch in fermentation media. Ferment Technol. 2016;5:1.

61. Martinez J. How often do participants treat our alcohol research studies as a byob? J Addict Res Ther. 2016;7:272.

62. Shushpanova TV, et al. Treatment of alcoholic patients using anticonvulsant urea derivative influences the metabolism of neuro-active steroid hormones - the system of stress markers. J Addict Res Ther 2015;7:271.

63. Barbaro M and Locatelli M. The markers for alcohol abuse: The good, the bad and the ugly. J Alcohol Drug Depend. 4:242.

64. Khaleel HA, et al. Alcohol sale status and suicide in Kentucky, 2005-2012. J Alcohol Drug Depend. 2012;4:240.

65. Razvodovsky YE. The effect of gorbachev's anti-alcohol campaign on road traffic accidents mortality in Belarus. J Alcohol Drug Depend. 4:241.

66. Tobe A, et al. Factors associated with modern contraceptive service utilization among married reproductive age women in Melo Koza Woreda, southern Ethiopia. J Preg Child Health. 2:128.

67. Nkwabong E, et al. The effect of primary cesarean section on subsequent delivery. J Preg Child Health. 2015;2:129.

68. Maeda k. Strategies to reduce infantile cerebral palsy. J Preg Child Health. 3:263.

69. Groß C, et al. Adolescents admitted to in-patient treatment with alcohol intoxication: Risk and resilience factors associated with problematic alcohol use. J Alcohol Drug Depend. 4:231.

70. Dunlap E. Knowledge, awareness and behavior: HIV/aids and disasters. J Alcohol Drug Depend. 4:230.

71. Jacqueline PEI, et al. Interventions for fetal alcohol spectrum disorder: Meeting needs across the lifespan. Int J Neurorehabilitation Eng. 2016;3:192.

72. Bosco C and Díaz E. Effects of maternal alcoholism on placental function and lung fetal development. J Cell Sci Ther. 2014;5:178.

73. Aduen PA, et al. Resilience builder program therapy addresses core social deficits and emotion dysregulation in youth with high-functioning autism spectrum disorder. J Psychol Abnorm Child. 2014;3:118.

74. Gundogan F, et al. Chronic prenatal ethanol exposure disrupts WNT signaling in adolescent cerebella. J Clin Exp Pathol. 2013;3:144.

75. Tong M, et al. Motor function deficits following chronic prenatal ethanol exposure are linked to impairments in insulin/IGF, notch and WNT signaling in the cerebellum. J Diabetes Metab. 2013;4:238.

76. Clave S, et al. Effects of ethanol sustained exposure on human trophoblast cell hormonal production. J Steroids Horm Sci. 2013;5:121.

77. Herciu AC, et al. A cross-sectional study examining factors associated with youth binge drinking in the compass study: Year 1 data. J Alcohol Drug Depend. 2:172.

78. Flagg J. Share your case report on identification and management of breastfeeding problems associated with maternal and/or infant risk factors. J Preg Child Health. 2:e119.

79. Seneesh KV and Shah M "Feto-maternal outcome in teenage pregnancy - a comparative case control study". J Preg Child Health. 2015;2:136.

80. Bhuvaneswar CG. Alcohol use during pregnancy: Prevalence and impact. Primary Care Companion to the Journal of Clinical Psychiatry. 2007;9:455-460.

81. Ornoy A and Ergaz Z. Alcohol abuse in pregnant women: effects on the fetus and newborn, mode of action and maternal treatment. International Journal of Environmental Research and Public Health. 2010;7:364-379.

82. Barakat R, et al. Exercise during pregnancy protects against hypertension and macrosomia: Randomized clinical trial. American Journal of Obstetrics And Gynecology. 2016:214.

83. Shih T, et al. The rising burden of preeclampsia in the United States impacts both maternal and child health. American Journal of Perinatology. 2016;33:329–338.

84. Procianoy RS, et al. Vascular endothelial growth factor/placental growth factor heterodimer levels in preterm infants with bronchopulmonary dysplasia. American Journal of Perinatology. 2016;33:480–485.

85. Woollett A, et al. The ideas and experiences of pregnancy and childbirth of Asian and non-Asian women in east London. British Journal of Medical Psychology. 2016;68:65–84.

86. Timmermann GET, et al. Congenital abnormalities of 88 children born to mothers who attempted suicide with phenobarbital during pregnancy: The use of a disaster epidemiological model for the evaluation of drug teratogenicity. Pharmacoepidem Drug Safe. 2016;18:815–825.

87. Roberts SCM, et al. Alcohol use before and during unwanted pregnancy. Alcoholism: Clinical and Experimental Research. 2014;38:2844–2852.

88. O'leary CM and Bower C. Guidelines for pregnancy: What's an acceptable risk and how is the evidence (finally) shaping up? Drug and Alcohol Review. 2012;31:170–183.

89. Bottorff JL, et al. Tobacco and alcohol use in the context of adolescent pregnancy and postpartum: A scoping review of the literature. Health & Social Care in the Community.2014;22:561–574.

90. O'brien JW and Hill SY. Effects of prenatal alcohol and cigarette exposure on offspring substance use in multiplex, alcohol-dependent families. Alcoholism: Clinical and Experimental Research. 2014;38:2952–2961.

91. Fitzpatrick JP, et al. Prevalence and patterns of alcohol use in pregnancy in remote western Australian communities: The Lillian project. Drug and Alcohol Review. 2015;34:329–339.

92. Turnbull C and Osborn DA. Home visits during pregnancy and after birth for women with an alcohol or drug problem. Cochrane Database of Systematic Reviews. 2012;1.

93. Mcdonald SW, et al. Characteristics of women who consume alcohol before and after pregnancy recognition in a Canadian sample: A prospective cohort study. Alcoholism: Clinical and Experimental Research. 38:3008–3016.

94. Chamberlain C, et al. Psychosocial interventions for supporting women to stop smoking in pregnancy. Cochrane Database of Systematic Reviews. 2013;10.

95. Nilsen P, et al. Alcohol prevention in Swedish antenatal care: effectiveness and perceptions of the risk drinking project counseling model. Acta Obstetricia et Gynecologica Scandinavica. 2012;91:736–743.

96. Foster RK and Marriott HE. Alcohol consumption in the new millennium – weighing up the risks and benefits for our health. Nutrition Bulletin. 2006;31:286–331.

97. Patra J, et al. Dose–response relationship between alcohol consumption before and during pregnancy and the risks of low birth weight, preterm birth and small for gestational age (SGA)—a systematic review and meta-analyses. BJOG: An International Journal of Obstetrics & Gynaecology. 2011;118:1411–1421.

98. Stade BC, et al. Psychological and/or educational interventions for reducing alcohol consumption in pregnant women and women planning pregnancy. Cochrane Database of Systematic Reviews. 2009;2.