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पेटेंट कार्यालय का एक प्रकाशन
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(54) Title of the invention : A DIAGNOSIS KIT AND METHOD FOR PREDICTION OF POST-SURGICAL OUTCOMES IN FOCAL CORTICAL DYSPLASIA

<p>(51) International classification :A61B0005000000, A61P0025080000, A61P0025000000, C12Q0001688300, G06N0005040000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr. Sujatha Peela Address of Applicant :Senior Professor, Department of Biotechnology, Dr. B. R. Ambedkar University, Etcherla, Srikakulam-532410, Andhra Pradesh, India Srikakulam ----- - -----</p> <p>2)Dr. Pradeep Madhamanchi 3)Dr. P.S.P. Dhanunjay Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Sujatha Peela Address of Applicant :Senior Professor, Department of Biotechnology, Dr. B. R. Ambedkar University, Etcherla, Srikakulam-532410, Andhra Pradesh, India Srikakulam ----- - -----</p> <p>2)Dr. Pradeep Madhamanchi Address of Applicant :Research Scholar, Department of Biotechnology, Dr. B. R. Ambedkar University, Etcherla, Srikakulam-532410, Andhra Pradesh, India Srikakulam ----- - -----</p> <p>3)Dr. P.S.P. Dhanunjay Address of Applicant :Professor, Department of Biotechnology, Janapriya Abodes, 1-4-945 to 950/514, Block- 2, Gandhi Nagar, Hyderabad-500080, Telangana, India Hyderabad ----- - -----</p>
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(57) Abstract :

ABSTRACT: Title: A Diagnosis Kit and Method for Prediction of Post-Surgical Outcomes in Focal Cortical Dysplasia The present disclosure proposes a diagnosis kit and method for prediction of post-surgical outcome in a patient with medically intractable epilepsy (MIE) caused by focal cortical dysplasia (FCD). The diagnosis kit focuses on role of CD44 and FAT receptors in post-surgical FCD-MIE patients. The diagnosis kit utilizes well-established molecular biology techniques, making it user-friendly and adaptable to a wider range of clinical settings compared to expensive electrophysiology equipment. The cost-effective diagnosis kit increases accessibility for patients and healthcare providers. The diagnosis kit analyses expression and splicing patterns of CD44 and FAT receptors, thereby provides insights into molecular mechanisms underlying post-surgical seizure recurrence.

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