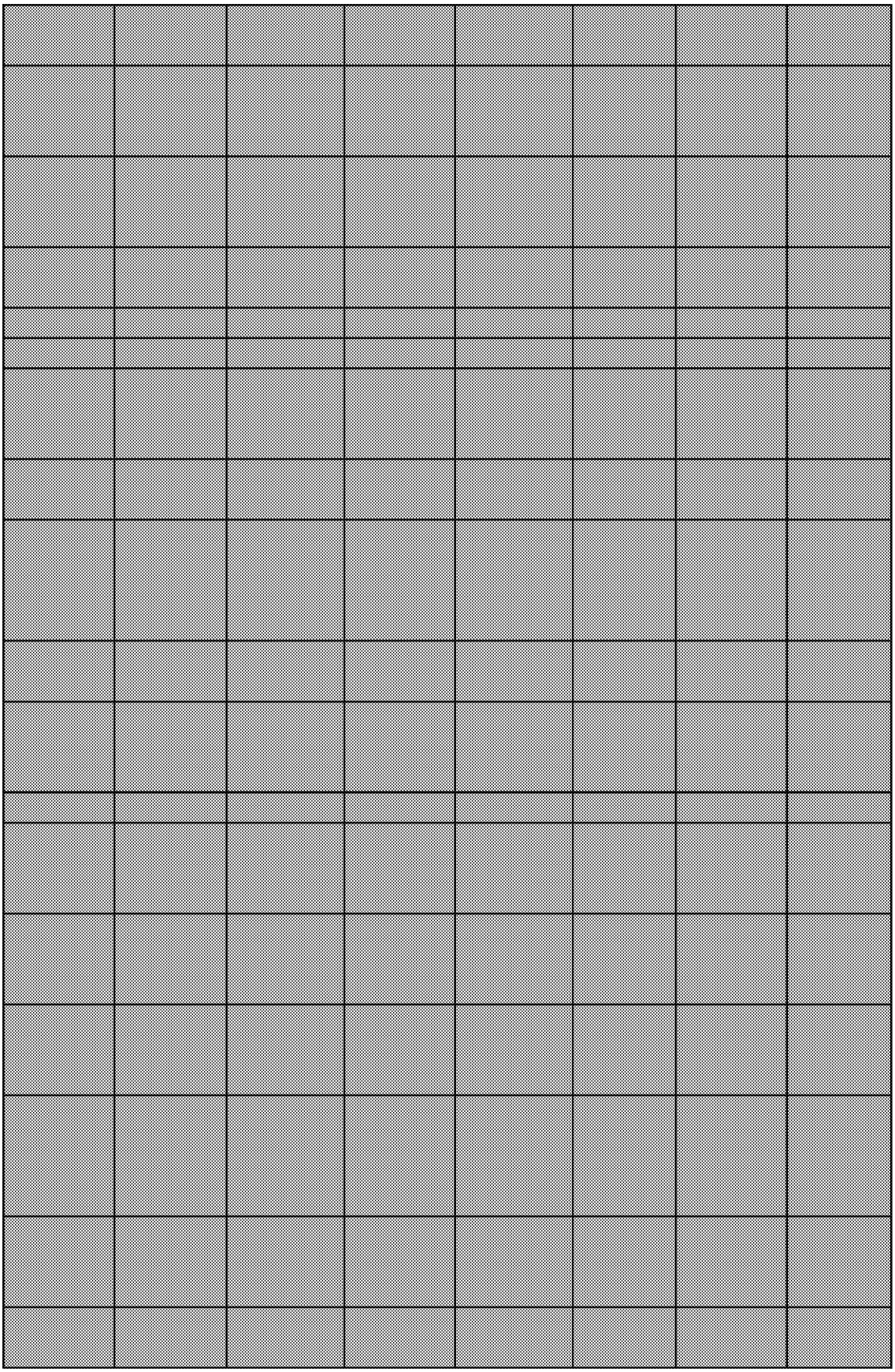

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Objective: Chronic, low-dose exposure to pesticides is suspected to increase the risk for Parkinson's disease (PD), but dat
Background: Hypothetic mechanism of the individual vulnerability to oxidative stress through metabolism of environmer
Background: Human, animal and cell models support a role for pesticides in the etiology of Parkinson disease. Susceptibi
Relying on pathophysiologic knowledge and data from animal experiments, this study shows an association between the
Although organochlorines have been reported more frequently in Parkinson's disease (PD) brains than in controls, the as
Background: Pesticides have been associated with Parkinson's disease (PD) in many studies, and with Alzheimer's disease

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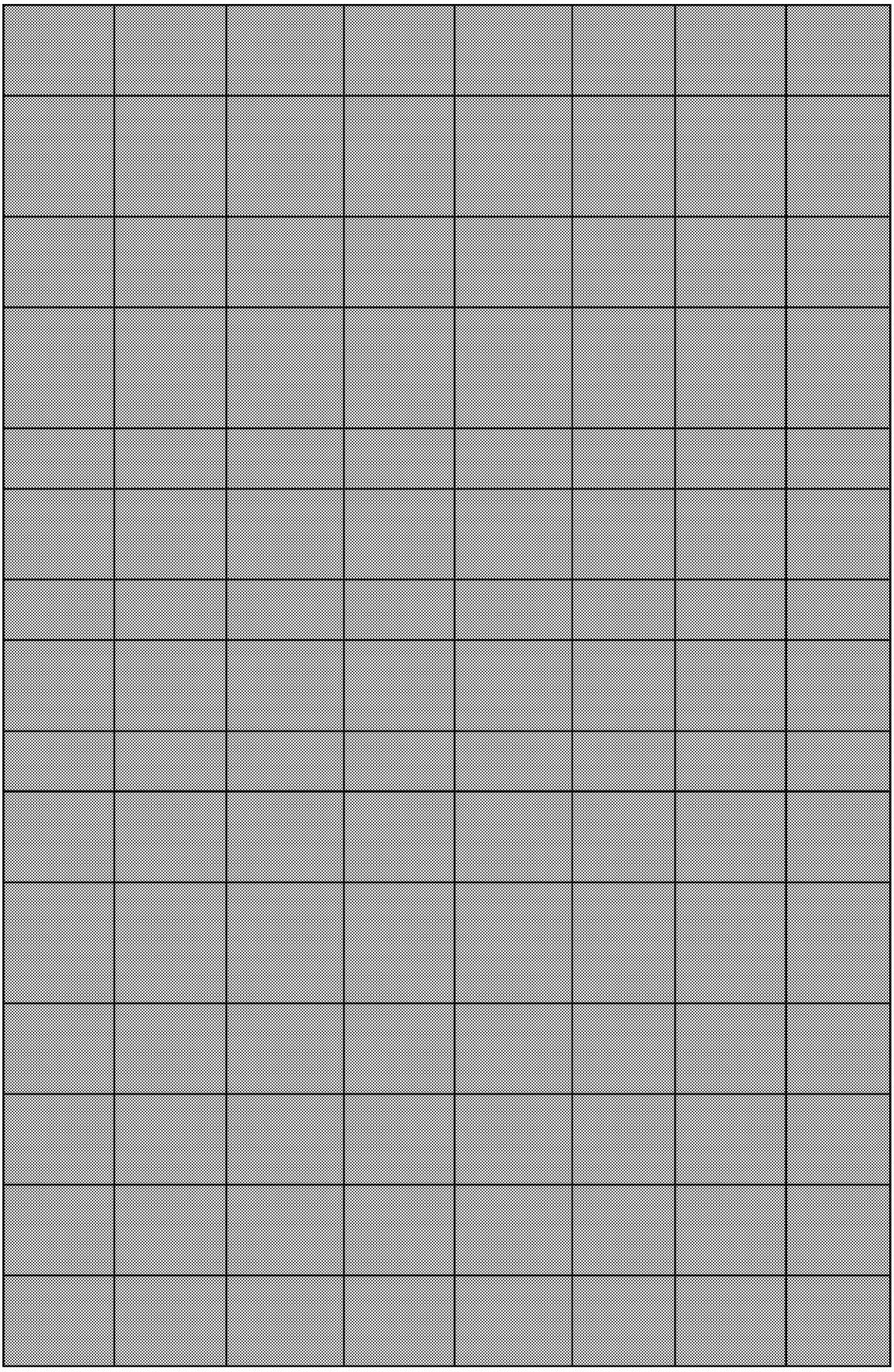

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Purpose of the study. Parkinson's disease is the most frequent neurodegenerative disease after Alzheimer's. Genetic and
This population-based case-control study of 130 Calgary residents with neurologist-confirmed idiopathic Parkinson's dise
We studied the relative etiologic importance upon the development of Parkinson's disease (PD) of occupational exposure
In the present study, we investigated the changes in blood-brain barrier (BBB) permeability following brain endothelial c
Pretreatment of interferon-gamma and lipopolysaccharides made C6 glioma cells highly vulnerable to glucose deprivatio
Reactive oxygen species (ROS) and reactive nitrogen species (RNS) are signal-transducing molecules that regulate the act
The generation of reactive oxygen and nitrogen species is an inevitable result of cellular metabolism and environmental
PURPOSE: Oxidative stress has been proposed as a major pathogenic factor in age-related macular degeneration (AMD),
Paraquat (PQ) is a prototypical redox cycling agent commonly used experimentally to generate reactive oxygen species a
An increasing number of reports discuss the role reactive oxygen species (ROS) have in cellular pathologies and cellular s
The sea urchin oral-aboral (OA) axis is established in part by Nodal signaling. The OA axis is also influenced by treatments
The switching propensity and maximum probability of occurrence of the side chain imidazole group in the dipeptide cycl
PURPOSE: Oxidative stress is involved in inducing apoptosis of photoreceptors in many retinal neurodegenerative diseas
Cyclo(His-Pro) is an endogenous cyclic dipeptide that exerts oxidative damage protection by selectively activating the tra
Many neurodegenerative conditions have oxidative stress burdens where levels of reactive oxygen species (ROS) exceed
PURPOSE: Growth arrest and DNA damage protein 45b (Gadd45b) functions as an intrinsic neuroprotective molecule pro
Parkinson's disease (PD) is one of the most common age related neurodegenerative disease and affects millions of peopl
We have established that docosahexaenoic acid (DHA), the major polyunsaturated fatty acid in the retina, promotes surv
P-glycoprotein (P-gp) is a 170 kDa transmembrane protein involved in the outward transport of many structurally unrelat
This study investigated the therapeutic potential and mechanisms of chitosan oligosaccharides (COS) for oxidative stress-

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Review - Level 2
not a relevant in vitro model for Parkinson's
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