

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/05/2018

Time Report Requested: 14:18:44

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

Custom Report - Heart All Sites Cardiomyopathy (SSACs only)

NTP Study Number: C20105B
Lock Date: 12/29/2015
Cage Range: ALL
Date Range: ALL
Reasons For Removal: 25017 SSAC
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.5.0.0_sfh
PWG Approval Date: NONE

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF CELL PHONE RADIATION: CDMA

FEMALE RATS

Organ

Heart: All Sites

Morphology

Cardiomyopathy

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS**

DOSE	Males			
	0.0W/kg(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr

Heart: All Sites
Cardiomyopathy

LESION RATES				
OVERALL (a)	3/10 (30%)	5/10 (50%)	6/10 (60%)	6/10 (60%)
POLY-3 RATE (b)	3/10.00	5/10.00	6/10.00	6/10.00
POLY-3 PERCENT (g)	30%	50%	60%	60%
INT SACRIFICE 1	3/10 (30%)	5/10 (50%)	6/10 (60%)	6/10 (60%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	94 (I)	94 (I)	94 (I)	94 (I)

STATISTICAL TESTS				
POLY 3	P=0.148	P=0.329	P=0.186	P=0.186
POLY 1.5	P=0.148	P=0.329	P=0.186	P=0.186
POLY 6	P=0.148	P=0.329	P=0.186	P=0.186
COCH-ARM / FISHERS	P=0.143	P=0.325	P=0.185	P=0.185
MAX-ISO-POLY-3	P=0.150	P=0.188	P=0.090	P=0.090

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DOSE	Females			
	0.0W/kg(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr

Heart: All Sites
Cardiomyopathy

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	3/10 (30%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	0/10.00	3/10.00	3/10.00
POLY-3 PERCENT (g)	0%	0%	30%	30%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)	3/10 (30%)	3/10 (30%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	93 (I)	93 (I)

STATISTICAL TESTS

POLY 3	P=0.021*	(e)	P=0.095	P=0.095
POLY 1.5	P=0.021*	(e)	P=0.095	P=0.095
POLY 6	P=0.021*	(e)	P=0.095	P=0.095
COCH-ARM / FISHERS	P=0.026*	(e)	P=0.105	P=0.105
MAX-ISO-POLY-3	P=0.032*	(e)	P=0.025*	P=0.025*

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LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (e) Value of statistic cannot be computed.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (n) No statistics are calculated if all dose groups have fewer than two tumors.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***