

Experiment Number: 20105 - 59
Test Type: CHRONIC
Route: Whole Body Exposure
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM
CAS Number: CELLPRADGSM

Date Report Requested: 01/05/2018
Time Report Requested: 14:24:42
First Dose M/F: 09/16/12 / 09/16/12
Lab: IIT

Custom Report - Heart All Sites Cardiomyopathy (SSACs only)

NTP Study Number: C20105
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: GSM

MALE 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(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Heart: All Sites				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	3/10 (30%)	5/10 (50%)	8/10 (80%)	7/10 (70%)
POLY-3 RATE (b)	3/10.00	5/10.00	8/10.00	7/10.00
POLY-3 PERCENT (g)	30%	50%	80%	70%
INT SACRIFICE 1	3/10 (30%)	5/10 (50%)	8/10 (80%)	7/10 (70%)
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=0.042*	P=0.329	P=0.024*	P=0.082
POLY 1.5	P=0.042*	P=0.329	P=0.024*	P=0.082
POLY 6	P=0.042*	P=0.329	P=0.024*	P=0.082
COCH-ARM / FISHERS	P=0.047*	P=0.325	P=0.035*	P=0.089
MAX-ISO-POLY-3	P=0.027*	P=0.188	P=0.007**	P=0.032*

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

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Heart: All Sites				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	0/10 (0%)	2/10 (20%)	2/10 (20%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	2/10.00	2/10.00	2/10.00
POLY-3 PERCENT (g)	0%	20%	20%	20%
INT SACRIFICE 1	0/10 (0%)	2/10 (20%)	2/10 (20%)	2/10 (20%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	93 (I)	93 (I)	93 (I)
STATISTICAL TESTS				
POLY 3	P=0.232	P=0.227	P=0.227	P=0.227
POLY 1.5	P=0.232	P=0.227	P=0.227	P=0.227
POLY 6	P=0.232	P=0.227	P=0.227	P=0.227
COCH-ARM / FISHERS	P=0.227	P=0.237	P=0.237	P=0.237
MAX-ISO-POLY-3	P=0.175	P=0.067	P=0.067	P=0.067

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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 ***