Experiment Number: 05131-03 Test Type: CHRONIC Route: DOSED WATER Species/Strain: Rat/F 344/N

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 10/19/2014 AVERAGE SEVERITY GRADES[b] Time Report Requested: 03:23:17 Time Report Requested: 03:23:17

Test Compound: SODIUM FLUORIDE

First Dose M/F: NA / NA Lab: NIEHS

C55221C
Not Entered.
All
Male
10/15/1997

Experiment Number: 05131-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

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Test Compound: SODIUM FLUORIDE

Time Report Requested: 03:23:17 First Dose M/F: NA / NA Lab: NIEHS

F 344/N Rat MALE	VEHICLE CONTROL	250 PPM	IRRAD WATER	250 PPM IRR FL
Disposition Summary				
Animals Initially In Study	50	50	49	50
Early Deaths				
Accidentally Killed			1	3
Moribund Sacrifice	17	14	11	7
Natural Death	7	8	8	6
Survivors				
Natural Death	2			2
Terminal Sacrifice	24	28	29	32
Animals Examined Microscopically	49	49	49	50
ALIMENTARY SYSTEM				
Oral Mucosa	(7)	(5)	(4)	(8)
Hyperplasia, Squamous	1 [4.0]			4 [2.3]
Inflammation, Suppurative, Chronic, Focal	1 [4.0]		2 [2.5]	1 [2.0]
Ulcer	1 [4.0]		1 [2.0]	
Tooth	(0)	(0)	(0)	(1)
Malformation, Focal				1 [4.0]
Tooth, Incisor	(47)	(49)	(48)	(47)
Ameloblast, Degeneration		6 [3.5]	2 [3.0]	8 [2.8]
Ameloblast, Degeneration, Focal		2 [1.5]		3 [1.7]
Dentine, Malformation		9 [2.0]	2 [1.0]	7 [2.0]
Dysplasia	1 [3.0]		2 [2.5]	
Enamel, Malformation, Focal		6 [1.8]		9 [2.6]
Odontoblast, Degeneration, Focal	10 [2.8]	21 [3.1]	15 [3.2]	15 [3.1]
Pulp, Ectopic Tissue, Focal	11 [1.1]	16 [1.1]	20 [1.1]	14 [1.2]
Tooth, Molar	(49)	(49)	(49)	(50)
Inflammation, Suppurative, Chronic	41 [1.7]	44 [1.8]	39 [1.7]	46 [1.5]

CARDIOVASCULAR SYSTEM

a - Number of animals examined microscopically at site and number of animals with lesion

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F 344/N Rat MALE	VEHICLE CONTROL	250 PPM	IRRAD WATER	250 PPM IRR FL	
None					
ENDOCRINE SYSTEM Adrenal Cortex	(0)	(0)	(0)	(2)	
GENERAL BODY SYSTEM Tissue NOS	(0)	(1)	(0)	(0)	
GENITAL SYSTEM None					
HEMATOPOIETIC SYSTEM					
Bone Marrow	(9)	(2)	(5)	(4)	
Femur, Hyperplasia			1 [1.0]	1 [1.0]	
Femur, Hyperplasia, Focal				1 [2.0]	
Humerus, Hyperplasia			1 [1.0]		
Humerus, Hyperplasia, Focal			1 [1.0]	1 [2.0]	
Humerus, Joint, Hyperplasia	1 [2.0]				
Humerus, Vertebra, Hyperplasia	1 [1.0]				
Tibia, Hyperplasia Vertebra, Hyperplasia, Focal			1 [1.0]	1 [2.0]	
INTEGUMENTARY SYSTEM None				T [2.0]	
MUSCULOSKELETAL SYSTEM					
Bone, Cranium	(1)	(1)	(1)	(0)	
Fibrous Osteodystrophy	·	-	1 [2.0]	·	
Inflammation, Suppurative, Chronic, Focal		1 [4.0]			
Bone, Femur	(28)	(19)	(19)	(21)	
Atrophy	1 [2.0]				
Endosteum, Hyperostosis Fibrosis, Focal			1 [2.0]	1 [1.0] 1 [1.0]	

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Experiment Number: 05131-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

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Time Report Requested: 03:23:17 First Dose M/F: NA / NA Lab: NIEHS

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Fibrosis, Focal				1 [1.0]
Fibrous Osteodystrophy			1 [2.0]	
Bone, Humerus	(21)	(13)	(16)	(14)
Cyst	1 [2.0]			
Endosteum, Hyperostosis			1 [2.0]	1 [2.0]
Fibrosis, Focal				1 [2.0]
Fibrous Osteodystrophy			1 [2.0]	
Bone, Intervertebral Disc	(4)	(0)	(7)	(0)
Degeneration, Focal	3 [2.3]		6 [1.8]	
Inflammation, Granulomatous	1 [1.0]			
Proliferation, Focal	1 [2.0]		1 [2.0]	
Bone, Joint	(23)	(16)	(17)	(17)
Bone, Mandible	(1)	(0)	(0)	(1)
Bone, Maxilla	(49)	(49)	(48)	(50)
Inflammation, Suppurative, Chronic, Focal		1 [4.0]		
Nasolacrim Dct, Cyst	1 [2.0]			
Bone, Pelvis	(1)	(0)	(1)	(0)
Bone, Radius	(0)	(0)	(0)	(1)
Bone, Rib	(0)	(2)	(1)	(1)
Costochon Jct, Degeneration		1 [3.0]	1 [2.0]	
Bone, Scapula	(0)	(0)	(2)	(0)
Degeneration, Focal			1 [2.0]	
Bone, Tarsal	(0)	(0)	(1)	(0)
Bone, Tibia	(28)	(17)	(19)	(20)
Atrophy	1 [2.0]			
Endosteum, Hyperostosis			2 [1.5]	1 [2.0]
Endosteum, Hyperostosis, Focal	1 [2.0]			
Fibrosis, Focal				1 [2.0]
Fibrous Osteodystrophy			1 [2.0]	

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F 344/N Rat MALE	VEHICLE CONTROL	250 PPM	IRRAD WATER	250 PPM IRR FL
Periosteum, Hyperplasia	1 [3.0]			
Bone, Vertebra	(14)	(15)	(18)	(14)
Atrophy	1 [2.0]			
Endosteum, Hyperostosis			1 [2.0]	1 [2.0]
Fibrosis, Focal				1 [2.0]
Fibrous Osteodystrophy			1 [2.0]	
NERVOUS SYSTEM				
None				
RESPIRATORY SYSTEM				
None				
SPECIAL SENSES SYSTEM				
None				
URINARY SYSTEM				
None				

** END OF REPORT **

a - Number of animals examined microscopically at site and number of animals with lesion