

Experiment Number: 20605 - 99
Test Type: SPECIAL STUDY
Route: GAVAGE
Species/Strain: RATS/HSD

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

Gum Guggul Extract
CAS Number: GUMGUGGULEXT

Date Report Requested: 05/13/2019
Time Report Requested: 15:00:28
First Dose M/F: 07/23/09 / 07/24/09
Lab: BAT

NTP Study Number: C20605
Lock Date: Not Entered.
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

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Harlan Sprague Dawley RATS MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	2	1	2	10	10
ALIMENTARY SYSTEM						
Liver	(10)	(0)	(0)	(0)	(0)	(10)
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(0)	(2)	(0)	(0)	(0)	(0)
Mineralization		2 (100%)				
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(1)	(0)	(0)	(10)
Cardiomyopathy	1 (10%)		1 (100%)			
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Hypertrophy	1 (10%)					4 (40%)
Vacuolization Cytoplasmic						2 (20%)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(0)	(9)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell	1 (10%)					
GENERAL BODY SYSTEM						

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

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None						
GENITAL SYSTEM						
Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
Degeneration	1 (10%)					
Prostate	(10)	(0)	(0)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(10)
Testes	(10)	(0)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM						
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(0)	(0)	(0)	(2)	(0)	(0)
Hemorrhage				2 (100%)		
Inflammation, Chronic				1 (50%)		
INTEGUMENTARY SYSTEM						
None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
None						

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SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Developmental Malformation						1 (10%)
Nephropathy	3 (30%)					6 (60%)

*** END OF MALE ***

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Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	3	1	3	2	10
ALIMENTARY SYSTEM						
Liver	(10)	(1)	(0)	(0)	(0)	(10)
Fatty Change						1 (10%)
Fibrosis		1 (100%)				
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell	1 (10%)					
Heart	(10)	(0)	(0)	(0)	(0)	(10)
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Hypertrophy	1 (10%)					4 (40%)
Vacuolization Cytoplasmic	2 (20%)					1 (10%)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(9)	(0)	(0)	(0)	(0)	(8)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						

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GENITAL SYSTEM						
Clitoral Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ovary	(10)	(0)	(0)	(0)	(0)	(10)
Uterus	(10)	(0)	(0)	(0)	(0)	(10)
Hyperplasia, Cystic	1 (10%)					3 (30%)
HEMATOPOIETIC SYSTEM						
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(0)	(2)	(1)	(3)	(2)	(1)
Hemorrhage		2 (100%)	1 (100%)	3 (100%)	2 (100%)	1 (100%)
Inflammation, Chronic		1 (50%)			1 (50%)	1 (100%)
INTEGUMENTARY SYSTEM						
None						
MUSCULOSKELETAL SYSTEM						
Skeletal Muscle Degeneration	(0)	(1) 1 (100%)	(0)	(0)	(0)	(0)
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
None						

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0 mg/kg

62.5 mg/kg

125 mg/kg

250 mg/kg

500 mg/kg

1000 mg/kg

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

Kidney (10)
Nephropathy 4 (40%)

(0)

(0)

(0)

(0)

(10)
1 (10%)

*** END OF REPORT ***

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