

26254-0055

* **US BioTek** US BioTek.. 16020 Linden Av N, Shoreline WA 98133

Patient ID P000060
Ext ID 26254-0055

Test Patient

Sex: Female • 56yrs • 01-Jan-70

RECEIVED
11-Sep-26

Clinical Notes .

Mycotoxins, Extensive

Specimen type - Urine, Spot

Collected

11-Sep-26

AFLATOXINS GROUP

TEST	RESULT	H/L	REFERENCE	UNITS
Aflatoxin B1	1.33		(<3.50)	ng/gCR
Aflatoxin B2	0.65		(<5.30)	ng/gCR
Aflatoxin G1	<DL		(<2.20)	ng/gCR
Aflatoxin G2	<DL		(<6.50)	ng/gCR
Aflatoxin M1	<DL		(<4.70)	ng/gCR
Sterigmatocystin	<DL		(<0.40)	ng/gCR

GLIOTOXINS GROUP

[illegible]

OCHRATOXIN GROUP

[illegible]

TRICHOTHECENES - Type A

TEST	RESULT	H/L	REFERENCE	UNITS
● Diacetoxyscirpenol	<DL		(<2.800)	ng/gCR
● HT-2 Toxin	<DL		(<5.20)	ng/gCR
● T-2 Toxin	<DL		(<0.500)	ng/gCR

TRICHOTHECENES - Type B

TEST	RESULT	H/L	REFERENCE	UNITS
Deoxynivalenol	<DL		(<15.00)	ng/gCR
Nivalenol	0.66		(<3.70)	ng/gCR

TRICHOTHECENES GROUP - Type D macrocyclic

TEST	RESULT	H/L		REFERENCE	UNITS
Roridin A	1.12			(<5.50)	ng/gCR
Roridin E	0.34			(<3.20)	ng/gCR
Roridin H	<DL			(<3.90)	ng/gCR
Roridin L-2	<DL			(<5.70)	ng/gCR
Satratoxin G	0.46	H		(<0.30)	ng/gCR

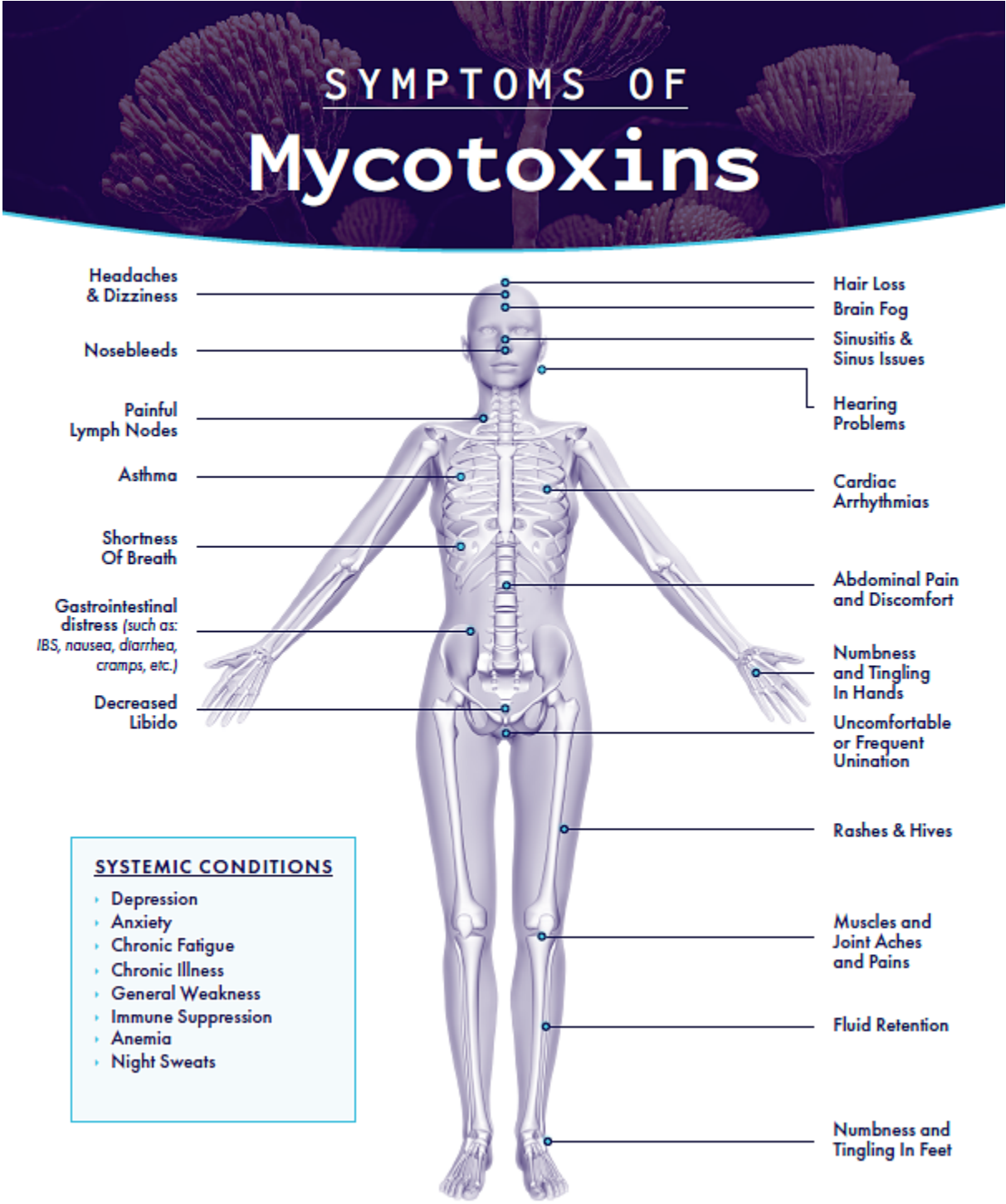


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MYCOTOXIN	Cellular Activity of Mycotoxins	Symptoms/Other	Association with a "Disease State"
AFLATOXINS			
Aflatoxin B1	Binds DNA and RNA replication	Shortness of breath, Weight loss, most potent and highly carcinogenic	Primarily attacks the liver, other organs include kidneys and lungs
Aflatoxin B2	Inhibits DNA and RNA replication	Impaired fetal growth	Affects the liver and kidneys
Aflatoxin G1	Cytotoxic, induces apoptosis in cells, DNA damage	A. flavus is a leading cause of invasive aspergillus in immune compromised patients	Cancer, neonatal jaundice
Aflatoxin G2	Cancer, neonatal jaundice	Aflatoxicosis in humans and animals	Malnutrition, Lung cancer
OCHRATOXIN A			
Ochratoxin A	Inhibits mitochondrial ATP, potent teratogen, immune suppressor	Fatigue, Dermatitis, Irritated bowel	Kidney disease, Cancer
MACROCYCLIC	TRICHOTHECENES		
Satratoxin G	DNA, RNA and Protein synthesis inhibition	Fatigue	Bleeding disorders, Nervous system disorders
Satratoxin H	Inhibits protein synthesis	Fatigue	Breathing issues
Isosatratoxin F	Immunosuppression	Weakened Immune System	
Roridin A	Immunosuppression	Weakened Immune System	-
Roridin E	DNA, RNA and Protein synthesis disruption	Weakened Immune System	Lung and Nasal olfactory problems
Roridin H	Inhibits protein synthesis	Weakened Immune System	-
Roridin L-2	Immunosuppression	Weakened Immune System	-
Verrucarin A	Immunosuppression	-	-
Verrucarin J	Immunosuppression	-	-
GLIOTOXIN	DERIVATIVE		
Gliotoxin	Attacks intracellular function in immune system	Memory and Breathing issues	Immune Dysfunction disorders
ZEARALENONE			
Zearalenone	Estrogen mimicry	Early puberty, low sperm counts, cancer	Cancer

Methodology

Liquid Chromatography-Mass Spectrometry (LC-MS/MS/MS), Automated Chemistry/Immunochemistry