REPORT DOCUMENTATION PAGE					Form Approved OMB No. 0704-0188		
maintaining the data needed, and completing and r	eviewing the or tment of Defe comply with a	collection of information. Send co ense, Executive Service Directora collection of information if it does	mments regarding th ate (0704-0188). Rea not display a current	iis burden esti spondents sho	iewing instructions, searching existing data sources, gathering and imate or any other aspect of this collection of information, including ould be aware that notwithstanding any other provision of law, no control number.		
1. REPORT DATE (DD-MM-YYYY) 2. REPORT TYPE 15/11/2018 Poster				3. DATES COVERED (From - To) 15-19/11/2018			
4. TITLE AND SUBTITLE					5a. CONTRACT NUMBER		
Characteristics of Venom Allergy at Initial Evaluation							
					5b. GRANT NUMBER		
					5c. PROGRAM ELEMENT NUMBER		
6. AUTHOR(S)					5d. PROJECT NUMBER		
Maj Szari, Sofia							
5e.					5e. TASK NUMBER		
					5f. WORK UNIT NUMBER		
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)					8. PERFORMING ORGANIZATION		
59th Clinical Investigations and Resea	arch Suppo	ort			REPORT NUMBER		
1100 Wilford Hall Loop, Bldg 4430 JBSA – Lackland, TX 78236-9908					18105		
210-292-7141							
9. SPONSORING/MONITORING AGE			5)		10. SPONSOR/MONITOR'S ACRONYM(S)		
59th Clinical Investigations and Research Support							
1100 Wilford Hall Loop, Bldg 4430 JBSA – Lackland, TX 78236-9908					11. SPONSOR/MONITOR'S REPORT		
210-292-7141					NUMBER(S)		
					L		
12. DISTRIBUTION/AVAILABILITY ST Approved for public release. Distribut							
13. SUPPLEMENTARY NOTES							
American College of Allerg	y, Asth	ma and Immunol	ogy, Seattl	e WA, I	November 15-19		
14. ABSTRACT							
14. ABOTRACI							
			•				
15. SUBJECT TERMS							
16. SECURITY CLASSIFICATION OF:	:	17. LIMITATION OF	18. NUMBER	19a. NAN	19a. NAME OF RESPONSIBLE PERSON		
a. REPORT b. ABSTRACT c. TH	IIS PAGE	ABSTRACT	OF PAGES	SSgt Erin Toth			
19b.					9b. TELEPHONE NUMBER (Include area code) 210-292-7141		
L		L		1	Standard Form 298 (Rev. 8/98)		

Standard Form 298 (Rev. 8/98) Prescribed by ANSI Std. Z39.18 Adobe Professional 7.0

INSTRUCTIONS FOR COMPLETING SF 298

1. REPORT DATE. Full publication date, including day, month, if available. Must cite at least the year and be Year 2000 compliant, e.g. 30-06-1998; xx-06-1998; xx-xx-1998.

2. REPORT TYPE. State the type of report, such as final, technical, interim, memorandum, master's thesis, progress, quarterly, research, special, group study, etc.

3. DATES COVERED. Indicate the time during which the work was performed and the report was written, e.g., Jun 1997 - Jun 1998; 1-10 Jun 1996; May - Nov 1998; Nov 1998.

4. TITLE. Enter title and subtitle with volume number and part number, if applicable. On classified documents, enter the title classification in parentheses.

5a. CONTRACT NUMBER. Enter all contract numbers as they appear in the report, e.g. F33615-86-C-5169.

5b. GRANT NUMBER. Enter all grant numbers as they appear in the report, e.g. AFOSR-82-1234.

5c. PROGRAM ELEMENT NUMBER. Enter all program element numbers as they appear in the report, e.g. 61101A.

5d. PROJECT NUMBER. Enter all project numbers as they appear in the report, e.g. 1F665702D1257; ILIR.

5e. TASK NUMBER. Enter all task numbers as they appear in the report, e.g. 05; RF0330201; T4112.

5f. WORK UNIT NUMBER. Enter all work unit numbers as they appear in the report, e.g. 001; AFAPL30480105.

6. AUTHOR(S). Enter name(s) of person(s) responsible for writing the report, performing the research, or credited with the content of the report. The form of entry is the last name, first name, middle initial, and additional qualifiers separated by commas, e.g. Smith, Richard, J, Jr.

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES). Self-explanatory.

8. PERFORMING ORGANIZATION REPORT NUMBER. Enter all unique alphanumeric report numbers assigned by the performing organization, e.g. BRL-1234; AFWL-TR-85-4017-Vol-21-PT-2.

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES). Enter the name and address of the organization(s) financially responsible for and monitoring the work.

10. SPONSOR/MONITOR'S ACRONYM(S). Enter, if available, e.g. BRL, ARDEC, NADC.

11. SPONSOR/MONITOR'S REPORT NUMBER(S). Enter report number as assigned by the sponsoring/ monitoring agency, if available, e.g. BRL-TR-829; -215.

12. DISTRIBUTION/AVAILABILITY STATEMENT. Use agency-mandated availability statements to indicate the public availability or distribution limitations of the report. If additional limitations/ restrictions or special markings are indicated, follow agency authorization procedures, e.g. RD/FRD, PROPIN, ITAR, etc. Include copyright information.

13. SUPPLEMENTARY NOTES. Enter information not included elsewhere such as: prepared in cooperation with; translation of; report supersedes; old edition number, etc.

14. ABSTRACT. A brief (approximately 200 words) factual summary of the most significant information.

15. SUBJECT TERMS. Key words or phrases identifying major concepts in the report.

16. SECURITY CLASSIFICATION. Enter security classification in accordance with security classification regulations, e.g. U, C, S, etc. If this form contains classified information, stamp classification level on the top and bottom of this page.

17. LIMITATION OF ABSTRACT. This block must be completed to assign a distribution limitation to the abstract. Enter UU (Unclassified Unlimited) or SAR (Same as Report). An entry in this block is necessary if the abstract is to be limited.





*The opinions or assertions herein are the private views of the authors and are not to be construed as reflecting the views of the Department of the Air Force or the Department of Defense

Introduction

This study sought to characterize the initial presentation of hymenoptera venom allergic (HVA) patients and examine differences between patients with imported fire ant (IFA) and flying hymenoptera (FH) reactions.

Methods

A multi-year, observational, single-institution analysis of patients referred for evaluation of HVA was performed. Data was obtained via physician interview and chart review including baseline characteristics, comorbid conditions, medications, culprit stinging insect, reaction severity, treatments, emergency department (ED) interventions and specific IgE results.

Results

175 patients were enrolled (mean age 28yrs \pm 14yrs; 44% males, 77/175). Of these, 21.7% (38/175) reacted to FH, 70.9% (124/175) to IFA and 7.4% (13/175) to both. There was no difference between FH and IFA patients when analyzing mean age, sex or likelihood to seek ED care. Asthma was similar in all groups and noted in 20.6% (36/175). The most common presentation was cutaneous plus another system and was similar in all groups; 114/175 (65%). ED treatments were similar in all groups and included epinephrine (32/150, 21%), antihistamines (141/155, 91%) and corticosteroids (67/148, 45.3%). Reaction severity correlated with likelihood of ED visit (p=0.0005), use of epinephrine (p=0.0002) and corticosteroid use (p=0.03). Patients presenting to the ED with anaphylaxis received epinephrine in 37% (27/73) of cases. Patients seen in ED whose venom allergy was confirmed was 68.3% (71/104), 91.5% of whom went on to initiate life-saving immunotherapy.

Characteristics of Venom Allergy at Initial Evaluation: Is fire ant hypersensitivity similar to flying hymenoptera?

Sofia Szari, MD, Karla Adams, MD, James Quinn, MD, Shayne Stokes, MD, Joshua Sacha, MD, and Kevin White, MD Wilford Hall Ambulatory Surgical Center, Joint Base San Antonio - Lackland AFB, TX*

	Characteristics bas	ed on culprit insec	<u>></u> †	100.00%		
FH	IFA	Both	Total	90.00% 80.00% 70.00% 60.00%		
21.70((38/175))	Culprit 70.9% (124/175)		NA	50.00% 40.00% 30.00%		
21.7% (38/175)	Mear (80.6% adults, 19.4	n age	INA	20.00% 10.00%		
31yrs	26yrs Se	39yrs	28yrs	ED visit		
42% (16/38)	(% m 44% (55/124)	nale) 46% (6/13)	44% (77/175)		F	
18% (7/38)	Astl 21% (26/124)	nma 23% (3/13)	20.60%			
55% (21/38)	Who sought en 61% (76/124)	nergency care? 54% (7/13)	59% (104/175)			
27% (7/26)	Epineph 20% (23/113)	18% (2/11)	21% (32/150)			
92% (24/26)	Antihista 91% (109/120)	89% (8/9)	91% (141/155)		In	
46% (11/24)	Steroi 46% (53/115)	d use 33% (3/9)	45% (67/148)		Skir	

IFA and FH patients have many, now confirmed, similarities. Severity of reactions correlated with ED visits, use of epinephrine and corticosteroids independent of age. Notably only 37% of patients who met diagnostic criteria for anaphylaxis received appropriate treatment with epinephrine, a finding that has been noted in previous studies now confirmed for patients with HVA. Children were almost 50% less likely to receive epinephrine in the ED when compared to adults.

Conclusions



