A.T. Still University Still ScholarWorks

OT Student Capstones

Occupational Therapy Department

2020

Multidisciplinary Concussion Rehabilitation Team Referral Demographics, Assessments and Intervention focus: A Retrospective Analysis

Angela A. Tauer A.T. Still University

Follow this and additional works at: https://scholarworks.atsu.edu/ot-capstones

Part of the Occupational Therapy Commons

Recommended Citation

Tauer, Angela A., "Multidisciplinary Concussion Rehabilitation Team Referral Demographics, Assessments and Intervention focus: A Retrospective Analysis" (2020). *OT Student Capstones*. 35. https://scholarworks.atsu.edu/ot-capstones/35

This Capstone is brought to you for free and open access by the Occupational Therapy Department at Still ScholarWorks. It has been accepted for inclusion in OT Student Capstones by an authorized administrator of Still ScholarWorks. For more information, please contact mohammadaslam@atsu.edu.

ATSU

A.T. STILL UNIVERSITY

Multidisciplinary Concussion Rehabilitation Team Referral Demographics, Assessments, and Intervention focus: A Retrospective Analysis. Angela Tauer, ATC, OTD/S Advisor: Dr. Jyothi Gupta, PhD, OTR/L, FAOTA

Introduction

- 5.3 million Americans are currently living with a concussion-rela and facing challenges to return to a full and productive life.
- Post-concussion process: Patients may go to hospital emergency evaluated, and discharged if injuries are non-life threatening.
- Recommended complete rest exceeding 3 days is not beneficial, gradual resumption of prior level activities should resume as soon (24-48 hours after injury) as well as supervised exercise.
- Adults generally recover rapidly within 10-14 days on their own return to everyday activities; however approximately 20% will ex persistent concussion symptoms and need specialized care.
- Multidisciplinary concussion teams are unique to each facility as protocol or procedures for best management of this injury.
- Typically, individuals who can be found on a concussion team in physicians, occupational therapists, physical therapists, speech-la pathologists, psychologists, neuropsychologists, and a social wor

Purpose

The purpose of this study is to identify demographic factors, of injury, assessments, and treatment by healthcare profession multidisciplinary concussion rehabilitation team in an outpat for ongoing management of individuals across the lifes

Methods

- <u>Design:</u> Retrospective chart review
- Data collected and analyzed on an electronic database by a reviewer
- Study was completed over a 15-month time period: Jan 2019
- Records of 360 patients were yielded of which 139 were selected **Inclusion Criteria:**
- Patients who sustained a concussion or mild traumatic brain injury
- MOI: Motor Vehicle Accident, Fall, or Sport Related Concussion - Completed an evaluation and discharge assessment

Study approved by the A.T. StillUniversity Institutional Review Board

	Results										
d disability	Occupational Therapy				Speech Therapy	Physic					
oms, are				ICI							
d that a s tolerated th gradual crience	 -Monocular esotropia, right eye -Monocular esotropia, left eye -Saccadic eye movements -Convergence insufficiency -Unspecified disorder of binocular movement -Attention and concentration deficit 			-Adu -Atto -Exp -Oth cogn -Oth	oressive language disorder er symptoms and signs involving	and mobility -Dizziness a					
ere are no	-Diplopia	-Diplopia disorder Assessment Areas by Discipline									
ade uage r	-Surveys -Pupillary Respon -Visual Acuity -Saccade and Pur -Ocular Alignmen -Ocular Alignmen -Convergence/Ace -Other Visual Asses -Cognitive Assess -Functional Asses -Bioness Integrate System	suit nt comm sessme ments sment	odation ents	-Wo Cogr -The Dyse -Atte -Ora		-Surveys -Balance As -Vestibular/ Assessments -Functional	every for re conc asses provi patie	lation y year ehabilit ussion sment ide the nts an			
	Demographics (n)				Average Number of T	reatment Visit	funct	mode tion in			
	Mean Age	139	42 yrs		20		19.6	occu	rred.		
gle	Age Range	139	16-82 yrs		15						
ar 2020 d	Female MOI MVA	91 80	65.% 57.6%		10 12.6	10.2		in	ccupat dividu ecause		

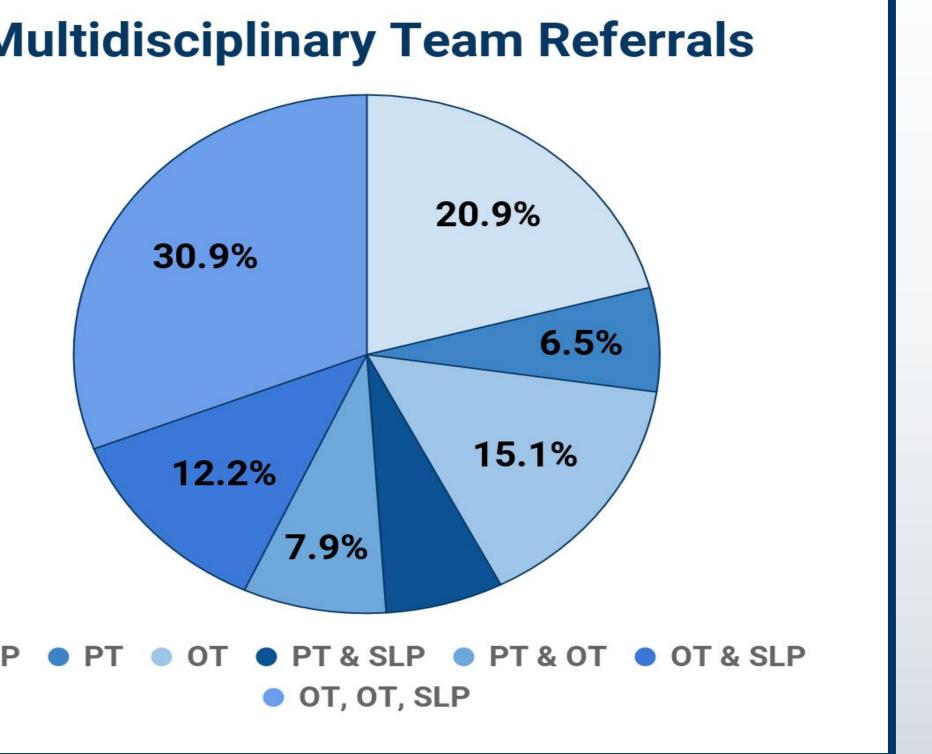
ury	MVA Fall	MVA Fall Sport			57.6% 30.9% 11.5%			5		7.7				-
d	Mea	<u>Time Since Injury</u> Mean weeks Range		139 139		48 wks 1-1,385 wks		0		PT		SLP		
A . 7	Γ.	S 7		L	L	U	1	N	IV	/ E	R	SI 7	ΓΥ	7
ARIZ	ONA	A SC	CH (00	L	OF	Η	E E A	AL7	ΓН	SC]	IENO	CES	

10.2 Combination of Therapy PT

ATSU



A.T. STILL UNIVERSITY



Conclusion

he high number of concussions or mild TBI's that occur ly a very small percentage are seen in an outpatient clinic on. Each healthcare individual on the multidisciplinary am is specialized to administer and interpret different nd tools based on their scope of practice and training to st outcomes for concussion patients. This article provides ealthcare providers a general overview of one concussion at was successful in returning patients to prior level of nited visits regardless of how long ago their injury

Implications

al therapists are uniquely qualified to assess and help individuals return to activities of daily living, work, learn, and play because of the extensive knowledge and skills they have in clientcentered assessments, environmental modifications, activity analysis, and activity grading to maximize individuals participation.

References Available Upon Request