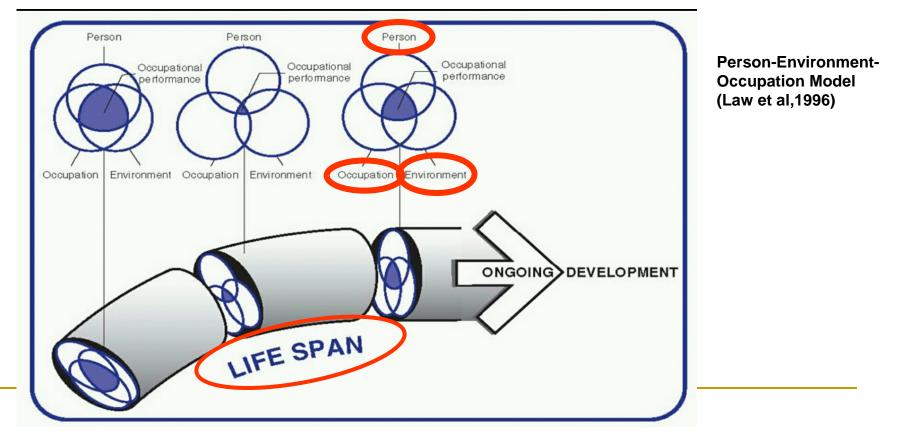
An Update on the Development of Person-Environment-Occupation (PEO) Fall Prevention Checklist

Yip KTS , Chan HLI, Cheung HT, Tai LHC, Lam WTR, Chan M, Leung WHV, Yau C

Occupational Therapy Department of Tuen Mun Hospital, Kowloon Hospital, Pamela Youde Nethersole Eastern Hospital Kwong Wah Hospital, Kowloon Hospital, United Christian Hospital, Queen Mary Hospital, Prince of Wales Hospital

- Fall is an important clinical issue in elderly rehabilitation
- A fall task group under elderly service of OTCOC was set up in December 2014
- Members conducted a survey on the existing fall assessments that OT colleagues currently use in different clusters.
- A new fall prevention checklist based on the PEO model was developed



PEO Fall Prevention Checklist

Hospital., Occupational Therapy Department., Person-Environment-Occupation (PEO) Fall Prevention Checklist.,						а	a b c	 Behaviors & Hat Lack of safety awa Impulsive behavio Unprotected mobio Medications
Personal Demograp	hics.					_		\geq 4 medications?
Principal diagnosis:						.,	b	 Use of any of foll antidepressants, a
						-	c	Difficulty in man
Current fall episode demographics.	When: Moming Afternoon Evening Where: Home (Location: Toilet Bedroom Outdoor (Location:)) Activity performing:		a	 Nutrition. Weight loss / loss Living environm 				
Past medical history. Particle and the particular disease of the particular disea							ab	 Poor ergonomics improper aid? Indoor hazards: s poor circulation s threshold / stairs Outdoor hazards
History of Fall No Ves (No. of fall(s) in recent half year). History of Syncope No Yes (No. of syncope in recent half year).				.1	d	lighting / skid flo lighting clothin Social Support		
ADL performance.	Barthel Index = / 100., FIM: Motor score = / 91, Cognitive score	=	35	TOT	AL =/126	a	a	 Poor social support Insufficient Com (with no following)
Cognitive / 4 mental conditions.	□ AMT = / 10 □ HK-MoCA = / 30 □ Other tests, please specify:	a.				.1		ÌHCT / DCC / EI
Functional mobility.	Outdoor walker Indoor walker Assisted Sitter Lyer. Aids: Outdoaded Stick Quadripod Fram			r 🗆	Others:	.1	a b	ADL / home / wo Activities induce Difficulty in peri Continence issue
	A. Person ⁴ De	zte: 47	÷	¢,	✓ = Yes = No. Blank = Not assess	.1		 Risky IADL hab wash clothes?
1. Physical capaci		√/x	<td></td> <td>Remarks⁴</td> <td>л –</td> <td>e</td> <td>Unsafe ADL hab stool to bath?</td>		Remarks ⁴	л –	e	Unsafe ADL hab stool to bath?
b. Fixed deformities (Leg length discrement)	it ROM (cervical / thoracic / lumbar spine / hip / knee / ankle) of the knees / feet / hip / ankle / trunk?, arcv?.		.1	.1		.1	a b	Life Routine. Homebound / go Imbalance lifesty Lack of regular p
Muscle wasting of Muscle weakness o	UL / LL observed? (Please specify location:) f UL / LL observed? (Please specify location:)	ز	ļ		ۍ ۲	.1		Lack of regular p
 Impairment in stati Gait – uncoordinat Imbalance in turnin History of tripping 	ic / dynamic standing balance? ed / imbalanced / dragging?			.1		a		
Impaired lower 1	limb sensation (proprioception / tactile sensation / o	thers:	.1	.1	а	л		OT Managemen
signs)? Experienced dizzi	report / observed difficulty seeing – kerbs / stairs / obsta ness / vertigo when the person moving the body or changing	body						Prioritize risk fa
ain.	ain (please specify location(s):)?	.1		.1	Ð	л		2
. Cognitive - perce		а	л	.1	ę	.1		3
 Poor long term mer 	n to complete activities? mory / short term memory? hty in following instructions? dv neelect?	.1	.1	.1	ب ا	.1		4 4
	otional Responses & Mood.		л	.1	47	1,		5
 Fear of fall that res 	tricts activities they capable of doing?			.1	ę	la la		
 Unstable mood or 	emotional problems?					L		Version: Jan 2017.

ess or insight?.. rushed pace / fall risk taking habits? / faulty use of assistive devices? ø ings drugs: anxiolytic, hypnotics, antipsychotics, diuretic, a blocker, anti-arrhythmic, anti-parkinson, anticonvulsant? gmedications / drug compliances problems? etite / signs of dehydration? B. Environment </ x <1 x Remarks. er closet dimension; insufficient/ Improper or floor / no proper chair/ inappropriate lighting / cluttered rooms e for gait aids / no handrails support in toilet or bathing area / ent : uneven ground/ obstacles / stair walking / inappropriate kerbs / stairs / all prone shoes / sandals? .1 . 1 ity Support?, ervice:erved: e.g. MOW CS 1CDS).1 ne Help / COT / CPT / CNS / C. Occupation 110 </ x. </x Remarks. ₽ ₽ ₽ leis. prone gesture: (reaching/ cending/ carrying)... sing functional transfer? (bed / chair / toilet / tub), continence / frequent urination / nocturia?... tanding on unstable furniture (folding chair) / sit on low stool to tanding for lower garment dressing or foot washing/ sit on low $outdoor \leq once per week?...$.1 .1 self-care / productivity / leisure / rest?.. ical activities in daily routine? Therapist л Setting (in / day / out / community) Έ.

commended by PEO Model.

Prioritize risk factors.	Management.
-	ADL / Functional training. Fall prevention education.
2	 Home modification / Assistive aids prescription Community Occupational Therapy
3	□ OT out-patient □ Lifestyle redesign
4	□ Pain management. □ Refer to others parties (e.g. MOW/Home Helper
5.5	<pre>/ CPT / CNS / IHCT / DCC / EHCCS / ICDS or others:)., Others:).</pre>
	a dinas

- The first trial run was conducted on medical and geriatric patients.
- A workshop on the use of the fall prevention checklist was conducted on 14/10/2016.
- The attending OTs were requested to conduct in-service trainings to their respective clusters before starting the use of the checklist.

Preliminary Results

- Trial run in different clusters from October 2015 to February 2016.
- 139 elderly cases were assessed (mean age 78.23, mean MBI 73.14, mean MMSE score 20.24)
- Feedbacks and comments from 27 OT colleagues were positive.
- The average administration time was only 10-15 minutes.
- The top ten high risk factors contributing to fall incidents were identified.

People						
Balance	Impaired static /dynamic standing balance	70 %				
Strength	Muscle weakness of UL/LL	56 %				
Medication	> 4 medications	53 %				
Behaviors	Impulsive behaviors / rush	38 %				
Behaviors	Lack of safety awareness	46 %				
Cognition	Poor LTM or STM	43 %				
Environment						
Living Environment	Indoor Hazards	34 %				
Occupation						
Life Style	Lack of regular physical activities in daily routine	48 %				
ADL - functional	Difficulty in performing functional transfer	47 %				
ADL - habits	Unsafe ADL habits	38 %				

