

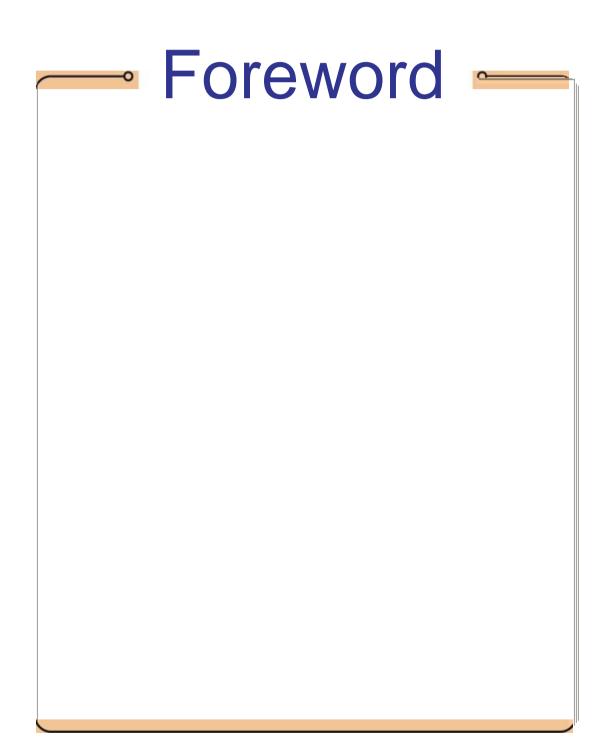


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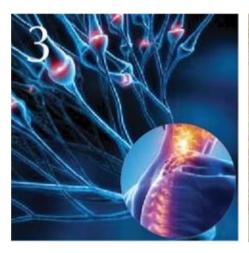
LIVING WELL Self Care in Neuropathic Pain WELLNESS Building Better Mental Health CARE GIVER - BURNOUT Care Giver - Burnout TAKE CHARGE Excerciese for Peripheral Neuropathy







Contents



LIVING WELL

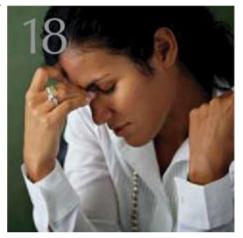
a SELF CARE IN NEMROPATHIC PAIN

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a TRIGGERS MIGRAINE





WELLNESS m BUILDING BETTER MENTAL I-IEALTH

CARE GIVER -BURNOUT

• CARE G'v'£R -BURNOUT



TAKE CHARGE NUTRITION FOR STROKE

LIVING WELL

SELF CARE IN NEUROPATHIC PAIN

The pmdictors of dq»ession and anxiety among people with penpheral neuropathy is not necessarily the severity of the symptoms but the psychological variables and social **variables**. The psychological variables include **how é>e patient** feel 0x>peJess, optimistic, anxic<is, etc.) while the sc<ial variables can be how active the **patient** is or does, they have supports Th<se variables can be **Wngod**.

TI you on dweTTing m whet mig k have if yolk were not diagnosed, self-pitying, ruminating about better times, and think of yourseE pnmariTy as a "penpheraT nwropalhy patient" would not help you in preventing W obese **mated** with this iTTnese.

8eiow are some of the effective selfcare and coping skills which you can implement fi you are suflenng from neumparhic pain.

IPS FOR MANAGING PERIPHERAL NEUROPATHY Some of the suggestions which might help in managing peripheral neuropathy includes:

- Caring your feet, particularly if you have diabetes. It is important for you to daily check your feet for signs of blisters, cuts, or calluses. Wring tight sq and sock mignt worsen the pain and tingling and may sit in non-healing sores. It is advised to wear soft, loose cotton socks and padded shoes. You can also use a fii P . iCh get in ical stores, to bed covers off hot or sensitive feet.
- Cigazelle s ing may aflect circulation, tf«d>y increasing the



nsk of foot problems and possibly resulting into amputation. Hence, it is advised a quit smoking.

If have increased risk of neuropathy or yoJ have a cktonic medical condition, then it is very impgztant to eat heckhy meels. TI is advisedQ have low-fat

and deity pn:ducts end include Tots of Cite Te\$, and whole greins in dix ATsg, consume aT hot in moderation.

klassapng your hands and feet or having **someone to** message **for** you might help in improving the j pp

could rarity relieve die pain.

Patient with neuropathy are advised to avoid prolonged pressure. Hence, do not keep your knees crossed or teen on yourelbows for longef Aeration of tirre as it might result in new nerve damp

SKILLS FOR COPING WITH PERIPHERAL NEUROPATHY

w

Living with chronic pain or disability

are some of these suggestions might

- Make your priorities and decide which taslo you need to do an a \$iveu day (eg, paying bills or shopping flsg/ocoied and which can wait until anoth < c time. Although it is advised to stay active, but do not overdo.
- Accept and acknowledge the negative aspects of your illness, buidinuhanmu*iy forward and be posi8*e tofind whai wets best for you.

might encourage you to maintain a balanced schecLile e maintaining a healdiiez lifestyle.

would help in divat?ng your few+a from pain.

would hip j/oz in rnaizXaining an optimum fitness. This is something you can control and offer so many benefits to your physical and emotional wellbeing.

Find and accept support as asking for or accepting some help is not a sign of weakness when you need the same. Apart from

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taking support from family and

pain support group. Support

hear about coping techniques or

- others. Further, it would help you to meet people who understand what you are going through. For finding a supp <>t gtoup in your community, esk your dooor or your nurse.
- Be prepared for cMlenging situations particularly il soue hirg eq>ecMly stzesdul is cnming up in your life {e.g. nerve
- Appraach and @lk tg yr counselor or therapist. The possible complications of

experiencing any of these, you might find it helpful to talk to a counselor or therapist apart from

TIP5 FOR SLEEP WITH NEUROPATHY

Sleep is an essential part of living which helps in avoi&ng major hearth probferrs. Also, it is irrg>ortant for ate mental and physiM Sleep affects our mood and stress and anxiety levels However, it is



sleep daily for adulb, irrespective of age or gender. However, this seems irnpossib6einpeoptewhowsuffezing frc+n doonic pain. Hence, é\ete are steps j/ou can take to improve yc<ir sleep, which might recult in less pain and lower levels c6 depressic<i and anxiety. Talk with your doctor to

check with theme to make sule yoJr

sloop direabance.



eq>ecidly in the af mooro Stop smoking

observed that sleep disturbance or

neuropathic pain. It is reported to be

suffer fran chronic puiw

Approximately 70% of patients with pain, induding dioce suffering from peripheal netacpethy, back pain, headaches, arthritis, and fibromyalgia, have reported trouble in sleeping. Pain is observed to be irKetfering with sleepbecauseofcombinationofissues such as discx>mfort, reduced activñy levels, anxiety, worry, depression and use of medications like codeine that relieve pain but disturb sleep.

- P Limit arid/or omit ccmsumption of
- Limit naps to < 1 hour, preferably</p>
- * Avoidstaying in bedonolong as spending time in beef without suing insults in mcee shallow
- Foltow acd **stick to a** regular **dgi**(schedule inching going to end getting up at the same time
- R tVluirfain a regular exemise program and make sure to

before bedtime

- P Main sure yfxir bid is comfortable and you have enough mm to seetch and fum
- Geep your ream cool as the rc<<n temperature might also a9ect your skep. It is observed thet rnort of the poople sleep best in a4i\$f>tIy o>oI room (around 65° F or 18° C) with adequate ventilation. Too hot or too cold bedroom might interfere with the quality of your sleep.
- * Turn W your TV and chutes as most ct the people use the telmisiori to full asleeja or relax at d->e md of the day. TI is reported that the light suppress melatonin production and the TV might stimulate the mind, instead of relaxing the same.
- > Do not watch the clc<k and turn your alarm dock arc<ind so that it is not facing you
- Place a note pad and pencil by your bod to write down any thoughts that interfere with your steep and yen on pvt them to rest



- Do not take a hot bath or shower right before bed as the body needs to ccol a degree before getting into deep sleep
- , Listen relaxing soft music c•c audio b<o¥s instead, or practice relaxation sises.
- Viscaalize a peaceful and testful place. Close your eyes and imagine a place or activity that makes y xi II calm and keep you at ______a on how Meed this place or activity makes you feel.

It is observed that some patients find comfort from a pillow between their legs that keeps their knees ham touching Added benefit of this approach is that a pillow between your legs at night prevent your uppef leg from pulling your spine cut of aJignmw and reduces the soess on the hips and lower back.

You might take 3-4 weeks of trying these techniques before you start to see an improvement in your sleep. You might notice worsen sleep during the first two weeks, but improved sleep might result in less pain intensity and improve the mood.





well/lifestyle/managing- peripheral-

periods%20of%20time. Accessed on 21



REHABILATION IN STROKE MANAGEMENT

Smoke Wabilifation a ms to improve the relearn skills of ihe patient which is lost when a pa\lent gets aPec\ed wiih stroke. This rehabilitation may help in regaining \he independence and improve the patient's quality of life.

The severity of stroke complications and each person's ability to recover exhibit a wide variation. According to researchers it has been reported that people who participa& in a focused std rehabilitation program peñorm befiez in co rison la most of the people who do not have stroke rehabiTi&tion.

WHAT DOES STROKE REHABILITATION CONSTITUTES?

Various approaches are available for stroke relubilitation. The rohabilila\ion plan offered \o you depends on the part of the body or type of ability affected by the scroke.

Physical aetfivities may include followings

- * Motor•skilT exercises which might help in improving the muscle strength ant coordination. Theze might be therapy to strengthen the swallowing.
- h /v\ability training which may help in Team iog how D use



mob\l\ty acds, like walked, canes, wheelchair, or ankle brace. The ankle brace helps in stablzing and strengthening your ankle which would hip in supporting your body's y\«•ight wbile you relearn to walk.

- Constraint-induced therapy as the unaffe>c |imb is resRained while you praccice zmvirg the affected limb la improve the function. Sometimes this tTyerapy is tied as fazced-use therapy.
- * Range-of-motion therapy herein certain exercises and treatments might *help* ineating muscle tension (spasticity) and help in regaining the range of motion.

r hnofogy-assisted physical activities which may inrJude



following

- Functional e1ectrical stimulation, which is applied to weakened muse Yes, thereby resulting in their contraCion. Tt is observed that the electrical stimulation might help in re-educating the muscles.
- P'obotic teohnoTogy assisted devices which may hip in assisting impaired limbs with performing repe£i£ive motions, that support be limbs to regain strength and function.
- Wireless technology wherein an acttvfTy monitor may help in increasing lhc pos\-slroke activtg.
- Vinual reality in which the use of video games and other computer-based Therapies helps the p6Tient Q interact witha 5imula(ed, reef-cime envirqnmenz.

Cognrfrve amf emotional activities which may include following:

Therapy for cognitive disorders like occupational therapy and h therapy which might help you with last cognitive abilities, like memory, processing, problem-solving, social ski)Ts, judgment, and safer awareness.

Therapy for communication

disorders like speech therapy which might help you in regaining lost abilities at speaking, listening, writing and comprehension.

- * PsychoTogicaT evaluation and treatment where the emotional adjustment might betested. Also, there may be counselling or participation session in a support group.
- Medication where be

 @ tcian may recommend an antidepressant or a medication that affects alertness, agitation, or movement.

fxperfmenta tfierapfes?8atiay include followina:

- Noninvasiye brain stimulation techniques like transcraniaT magnetic stimulation that have been used with some success in a research sorting where ii helped in mprovtng a variety of ma\a" skills.
- Biological therapies, like s\em cells, are being investigalod; however, thoy should onlybe usod as pan of a cTinicaT rrial.
- * Alternative approach like massage, berbel therapy, acupuncture and ox en therapy are cuzzently being evaluated.

WHEN SHOULD STROKE REHABILITATION BEGIN?

The sooner stroke rehabilitation program is started, be more 1ikeTy

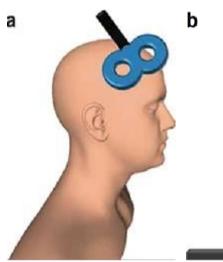


the patient can regain 1ost abilitie and Ai1Is.

Howewt; imn+ediate priorities of j«>ur physician vrould be-

- To s&bilize your medical condition
- To central life-threatening conditicms
- To prevent ar<xher attack of stroke
- To limit any stroke-related complications

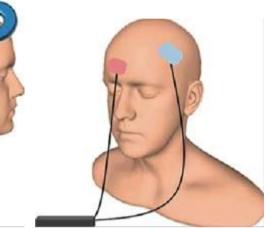
Ger•erelly, the stroke rehabilitation start as non as 2 4 to 48 hours post stroke, while the patient is sziTI in be hospital.



changes with the recovery as soon as be patient reTearn skills and these is change in the needs. With oogoiog practice, the patient can continue to make gaios as time passes.

WHERE DOES STROKE REHABILITATION TAKE PLACE?

The stroke rehab44atton program generally slart when be patient Is sTiTI in ihe hospital. Before the patients



HOW LONG DOES STROKE REHABILITATION LASTI

- Duration of stroke rehabiTita.tion Is ba.sed on th'e severtg of the stroke and related compTicat\ons. It is obsei-ved that some evoke Wwivors haye quack recovery, however, mos\ of \he pa\ em need some f•:>rm of long-\erm stroke rehabilitation, that last possibly months or years af\er \he stroke.
- Stroke «•habilila¥ionplan



leave, he/she and the family work along wtth hospntaT social woWrs and the care team to identity be best rehabiTibtion selling. Factors that are consider while deciding this ieTudes the patient needs, what insurance will cover, and what is most conveniwt for the parent and the family.

The places where smoke rehabililation program might lake place can

- Inpatient rehabilitation units: These facilities are either frc<slanding or pan of a larget hospital or clinic where The patient m6y nook Q any at tho faciliy for up to 2-3 weeLs as pBzt of an intensive rehabilitation
- Outpatient units: Generally, I facilities are part af a hospital of clinic where the patient may spend a few hours at the bility a eagle of days a wk.

- * Skilled nursing facilities: The CBS 8V8 i\0 \P 8t 8 nursing facility varies wherein some facilities specialize in bi \it8tiOD, 4\P OU provide fees-intense therapy oqtims.
- * I-Iome• ased pmgrarns: his offer dnerapy athome and offer greater /WTb4\ BS IO W ava4able options. However, its drawback is that the patient do not have access to specialized rehabil tation e<pipment.</p>

tt is advised la talk to the physician and family about the best option for the patient.

WHO ARE INVOLVED IN THE STROKE REHABILITATION TEAM?

Stroke rehabilitation involves a variety of specialists who can help with physical needs and include:

- PWY OANS•HP is 0<
 <pre>primary care rk<\or in addition
 to the neurologists and specialists
 in physics) Mione arxJ
 rehabilitation who can guide
 Ihe patieno cere and help in
 ping Ticatkxns. Also,
 these physicians may help the
 paterd in gcinfog and main&fniog
 a kieakhy Tifesb,de el lafiw to
 avoid cn<xher</pre>
- * BEFtABtLfTATIOXI NUBSES: This ivTudes nurses No are speeiaTized in caring for peoqTe with Timitaténs to activities and may help the paâerd to incorporate the bills which would help n Teaming the daily routines. Also, these nurses offer



opt@ra0 managing and Madder compTicattans of a stroke.

- P PHYSICAL TkIEBAPTSTS: These thezagisls help the patient in reTeaming movemerrb like walking and keep'ing the ba.Tree.
- > OCCtJPAtIOhIAL TH£RAPt5¥S: These therapists he4p the patient in releaming hand and arm use fo• daily b4Is T ke bathing, Qing the shoes or buying the dirt Also, they help in addressing swallowing and cognitive issues, ^^ *W ^^ •

Specialists who focus on cognitive, emotional, and vocational skills include:

- SPEKH AND LANGUAGE PATHOLOGISTS TO specf•lists help in iningt6 1anguage skiTTs aod swallowing ability of the patient. Also, these specfaTists can wodk in developing tooTs to address memory, linking and communicatén problems.
- *• SOCIAL WORKERS: Who helpla nnect for tnancial resources, plan for new living arrangements if necessary and identify community resources.
- * PSYCFfOLOGISTS: These specialists assess the thinking sk4Ts and help m address the mental aod emotional health
- > TI4ERAPEUTIC RECREATION SPKIALIST These special sts help in resuming actiw#es and the roles which <he patient enjoy before SuRering from stroke, including lobbies and community participation.
- VOCATIONAL COUNSELLO4k These specialists help in addressing return-to-work issues if that is a goal.

WHAT ARE THE FACTORS THAT DETERMINE THE OUTCO/vtE OF STROKE REHABILITATION? Recovery' from .stroke varies from person to person. TI is difficult to predict how many cbiTities Lie patiwt may recover and in how much time. GenezaTTy, swcessfuT stroke rehabiT@tion is based on foTTowing:

- Physical factors, including the severely of recognizing cognibve and physical effects
- Emotional factors, hd motivation and mood, and the parent abihty to stick with rehabilitation activities outside of therapy sessions
- > Social factors, I ke the support f fnends and fam4y
- Aerapeutic factors, including early start of rehabilitation and the skill of the stroke r<habililation team

Tt is obser*<d thet the recovery ate Is maximum in the wed \ll s and months post stnoke. However, evideve al \neq o shows it the pezfozmance might i rove even T 2.T 8 months post stnot:c.

REMEMBER THAT STROKE REHABILITATION TAKES TIME

Recovery in patient with stroke can



be a long and frusu'ating experience. It is normal to face difficulties along the way. However, dedication and wi}lingoess to work toward improvacent would h<lp the patient tog%nmombrnñt

Source: Stroke rehabilitation: What to expect as you recover [Internet] [Updated 17 Apr, 2019]. Available at: https://www.

wdeptfi/saobe-rehabiT a on/azt-2W5g72. Acoeesed e 21 Oec. 2020.

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SAFETY OF ALZHEIMER PATIENTS

HOME SAFETY

Patients having Alzheimer's can live in their homes if the safety measures are in place. During the progress of Alzheimer's a person's abilities change; howwer, wilh seme creativity and probe solving, the patient can adapt the home environment to suppon lie changes.

How safety is affected due to dementia?

Alzheimer's disease causes multiple changes in the Main md body that might alfect tho safoty. Based oo the disease stage, these might inclu

• JUDGMENT: Flinghow0

use household appliances

- SENSE OE TIME AND PLACE: Getting Cost an one's own street
- BEIdAV3OUR: Getting easily confused, suspictous or WzfuT
- PHYSICAL ABILFFY: Having problem with balance
- * SENSES: Experiencing changes in vision, hearing, sensitive to temperatures or degth perceptim So+ue oG lt+e home safety tips which

can eb lakm care efare as [

Evaluate the environment as patient of dementia maybe at risk in certain areas of th home or outdoors. Gis psi attention to garages, work r<<•ms, basemen\s and<<itsicle areas who there are more tools, chem icals, cleaning supplies and other items that need supervision.

- * Avoid safety hazards in the kites: TnstaT1 ahidden g,as valve or circuit breaker on the stove so that patient of demwtia cannot turn iton. Remove the knobs. Use appliance that have an auto shlut•& fire. Keep tkem away from water sources /4J sinks. Remove decorative fruits, sugar wbstitwles and seasonings from the table and
- Prepare foremergencies.
- Prepare arrd be ready with a list EM fID § W 'ATM ^ " !^'! '&" & W nments, hospitals,
- dnd poison control helplines.
 Keep the safety dwices in working order. Mave working fire extinguishers, smoke detectors and carbon monoxide dueooa
- Install 1<<ks out of sight. Place dcadbolts eitMr high of low on exterior doors so tkat it is diV*cutt for the petient to and out of l o for. Kgon esrtrg set of s hidden near the door lor
 - easy aces. Remove T in ba.throoms or bedrooms so tkat the patient cannat get joked inside.
- *- Eeeg walkways well-lit and place



extra lights to entries, doorways, stairways, areas between rooms,

- Use night lights in hallways, bedrooms, and bathrooms for preventing accidents and reduce disori<maton.
- Horace aml disableguns or other weapons as the presence of a weapon in the home of a person with dementia might

a petson a mistakenly believe dut a familiar caregiver is an inm+her.

- * Place medications in a Ic<ked drawer or cabinet so that medications are taken safely, txe a pill box organizer or keep a daily)ist and ched< off each maficatian as it is Inken.
- Itemo're tfipping hazaW Keep floors and other surfaces c)uttec-free. Rauowab}eds Jibe magazine racks, coffee tables and floor lamps.
- Watch the temperature of water and food as it might be difficult for the patent of demenfie bt tell tM dillerence eMeen hot and cold. lrz¥tgTT w

emq>eraiure.

* Avofd injury in the badmzom. \nualI walk-in . add grsb bars la 6+e shower or tub and at 6+e edge of 6+e vanity which Mp in independent, safe movement. Place textured stickers to slippery keep throw rugs and carpeting in

 Irrj one laundry room and secure zm Ask aTT coming pn>duas like detago+t, liquid laund-y" end bleach-Pont ac<>ss a the washer and Ayer. Keep g x>cy numbo for poison control and if possible, keep tbe door a I:his

garage and/or basement. Secure kand and power tools and keep **poimt** chemicals like gasoline, spray paint and paint thinner out of ieach. Install a garage door safety sensor.

Suppo+III+e patienb need and by not to create a home that feels too restrictive. The independence and sc<ial interaction of the patient should be encourage at home. Clear areas for activities.

WANDERING

h is aed that 6 out of 10 patients having dementia wander. Patient having Alzheimer's may forget his or her name or address, and can

places. Wandering in patients of dementia can bedangerousr btitthe e are saategies and servi<0 which can help in preventing the same.

Patient who are at



risk of wandering?

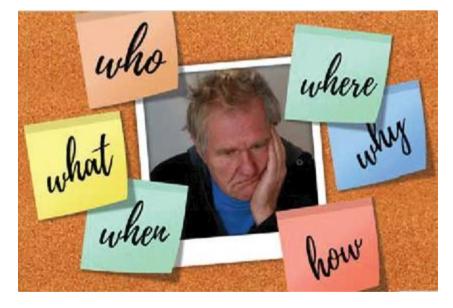
Anyone hcving problems with mory and can walk is at risL for wanderi It is reported that even in the eady stages of dementia, patient might become disoriented or conñned for a petiod. Lfence, it is important to plan for this type c6 for the following

warning signs:

- Returns from a regular walk or drive later as compared to usual
- Forgets how to get to familiar places.

obligations, like going to work

- Tries or wants to "go home," even when at home
- Is restless, paces or makes repetitive movements
- Faces difficulty locating familiar places such as bathroom, bedroom, or dining room



* Aco rmvous or anxious in

malls or restaurants.

prevent wandering?

Wandering can take place even if the caregiver is the most diligent one. Following strategies can be used Io help lower the chances:

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- Carry at daily activities and having a time might provide Wcture. Learn about creating a dsify pTao.
- Determine the most likely timea of day during which wandering might ocour and planactivities at that time. Activities and exercise may help in zeducrng anx , agitatim, and restlessness
- Reassure the person if ha' she feehlast, abandowd, oz d sonented. If the patient of dementia wants to leave to 'go home' or'go to work,' use focused communication an exploration and validation. Absain frc<n correcting the person {e.g. We are slaying hefe tonight We are safe and I'll be with you. We can go home in the meaning aftet a good night's



resL

- *• Make sure aTT the basic needs of patIt are md Mas the person gone to the bsthroomf Ts he oz she thizaty or hunts
- * Avoid busy places that leads to confu*on and can cause disonentaBon {e.g, shopping maTTs, group stores or a4hez busy venues).



- Place locks out of rhe line of sight and install either high c< low on exterior dears and comider placing slide bolb at the
- Until use of devices that signal when g door or window is hich can & as simple

oz as sophistiwted es etebzonic home alarm.

unsupervised in oz changed suzzoundings. Do not Ask a person in at home oz Tease him oz her in a car alone.

*• Xeep car keys owl of sigh ñ the patient ie no longer driving, remove accecs to car keys as such ps6ent may notjust tank by fooc be parent might forget that he or she can no Dogez *drive*. If the patient rs still able to *drive*, use a CPS device to help if they get let.

paf/enf of demenf/a7

Signifiant TeveT of s is expezienced by families and

dementia wanders and becomes lost. have beforehand pTgn in place so that you know fat to do in case & an em cy':

> Xeep a lirt of peaple «•ady to call m for help and here easy access to Weghone nutzs.

- P Ask oeigid>ours, friends, and family to caTT in case they see the parent acne.
 - * keep a at, cTose•up photo and updated medical infozmetion so that it can be easily shered with the TocaT pcdice.
 - * know your nei@bouAood and zden6fy dangerous areas near the home (e.g. bodies of water, open stamve4ls, denselol age, tunnels, bus stops androads with heavy traffic).
 - Xeep back of whether the patient is right or left-handed as wandering genwally follows the direction of the dominant han <1.
- Xeep a list of places ready whele the patient might wander (e.g. past jobs, formr hc<nes, places



of tip oz a restauraJ. If the patient does wander search the immediate area for not > 15 minutes. TI the person is not loud within T5 minutes, then call the police to like a missing person's report and Inform them that th'e patient has dementia.

TRIGGERS MIGRAINE

It is observed that migraine related tiggers faeces place befaze the attack by a short interval which may range up to 6 to 8 hours. Tt ie not an easy task to identify a trip. by factor may &gger an zzt sck in a pezson who is predisposed to m aine, and the list of poasibb suss can be Tag and confusing.

h is W easy 0 identify that is tnggering the migraine if the patient attack is linked to several difletent things. Also, a trigger might not be responsible for an aaack every time, which might alt in rrore confusion

Example if the patient is a young woman and the Irig\$ers include skipping a meal, stress, and a chan\$e in hormonal levels. I£ the patient has just ceme home late from a very stressful meeting at warm IM period is just ebout to start, and six may straight go to bed without eating a proper meal, then the patient almost oertginTy might suffer the attacL However is the patiwt had skipped dinner another time, when the other triggers were not present, she might not probably get a migraine. Most p t jg y have long periods of time without a migraine between gttada. At this

, the body seerr6 to be in a less sensitive state, and the patient may find that even a cc+nbir>ation of triggers does not start a migraine.

In ame cases, the niggers might be

y idersdfied. Example during the start of an aMack, the patient may **experience a craving for sweet things.** If the patient eat some choe&ak D satisly this czeving, and get a headache, it might be assumed that chocolate is the **sir**. However, **the patient started to get a migraine** before the consumption of chocolate.

KEEPING A DIARY

The best way to determine the rriggas is to keep a detailed diary. It is observed that sigger factc+s might influence an atlack up to 46 hours befc<e the headache star The diary can help the patient to k<>k at this

period before each attack. Aim, o pattern of possible triggers which are occurring together during this time can be observed.

Keeping a record of following things may be useful:

- Tirre of gming up and then ume of sleep
- * Daily routine like going to wock, watching TV etc.
- R Envizonwnt diat can contain triggers
- > 7ood and &ink which are consumed
- rating and drinking peeem
- * Bowel movements
- * Exmise or travel
- * Mood
- * Type of veatber
- > MensouH cycle in woinm
- If migraine or other headache, then its severity and symptoms
- Medications consumed and its dosage
- ¥• Factgn that is changing a peat of Ti Te

The timing of attack might also help in i lying the the Example, if

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&ewmc@ooeumonww&end2

fhe headache nnay be bqggezed by caffeine withdrawal due to drinking fewer cups of tea or coffee at home than at work. Note that winding down at the weekend after a stressful week at work might also cause an attack. In some patient it is observed that too much sleep at the weekends can trigger an attack.

AVOIDING TRIGGERS

we oavoM. »ndit upmdblew nnost of The adtac@ from I eppenir>g However, attacks triggered by a combination of factors might be harder to avoid.

The patient should be clear about what is expected to achieve from a routine for managing migraine, and the expectation should be realistic. Example, aiming to reduce how often rhe headaches happen maybe

may t>>t be. The patiem shou)d set up

quid ñ all W attacks cannot be corrboTled by avoiding Triggers. Most af the patits need after methods of mast to bring their condiâon un&r corrboT.

CHANGES RELATED TO LIFESTYLE

Routines eqn & hard @ break

so changes are rrore difF<ult to

Major changes may be necessay, which take time, effort, _nd _ ...pport

However, if the patient can make these changes, it can cause major improvements in their quality of life.

A sensible amount of exercise each week, and eating a nourishing, wellbalanced diet is advisable. If the patient is fit and in good general health, coping with migraine attacks

patient might continue to 6< If the migraine related attacks ^* a realistic g>a(which can be aimed experience disabling headaches triggered by a single factor then * '* fe£. He'she should not feel bad w even after koking at all the

discussed in rhis article.)f so, then he/she should ralk to a doctor about tkepossibility of using preventive trea¥nent.



·····*· ^



Source: What is a trigger? [Internet]. Available at: https://www.migrainetrust.org/ about-migraine/trigger-factors/what-is-atrigger/. Accessed on 21 Dec, 2020.

WELLNESS

BUILDING BETTER MENTAL HEALTH

Slaying home as a precaution tor preventing vrseTves and others from becoming ill due to **COVID-19** has disrupt almost every aspect of daily life including physical activi/. Closure of gyms, ttness studios, and physical Therapy practices haye caused all exercise la be done at horne or outside at least six teet away from others. As a result of all th'ese constraint, some people haye adopted a sedentary lifes/Te.

However, exercise have b<come mo're important now, not only because ic offers healtl benefits but also it counters boredom and fills the time prod</Cively. Exercise offer multiple benefits incTudi yg more strength and fTexibiTiy, bertet balance, improved sJeeg, less stress, cardiorespiraory boost such as lever blood pressuv and cholesterol, better enduraz4ce, Tess depression, and cognitive improvement like better memory due to better blood iTow to tile brain.

Exercising regularly helps in maintaining a healthy weight. Tt is important among people having certain neumlogic conditions, ir+eluding Parkinson's disease,



multiple sc1erosis MS), and stroke, as it can enhance functioning and sleeq, relieve fatigue, and in some cases even improve mobility and balance. Exercise results in more neuropTasticity and therefore better brain repair in individual having neurologic dysfunction.

In case your work out place zs temporar ly closed d >e lo COVID-19,

you would want to incorporate more exercise info your activity at home. Before sorting any fitness regimen, talk to your doctor, physical therapist, or neuroTogist. Tf case you were prescribed exercises by a physical *or* occupational therapist, review the instwctions with the therapist. Follow he below given tips for doing physical act
vitv athorne.

MAKE A ROUTINE

Establish a schedule and location for exercisiztg and those aTwady excising reguTarTy should maizJain a similar amount and tiiyye. for beginners ir is advised to swat with 15-20 minutes daily az a pace \ There tile breathing is hair, but coovenation can be nyainTaiz4ed.

STRETCH FIRST

Being sedentary shortens muscles, impairing mobility as the muscles adapt to the shorter range. Tt is advised to stretch the calves, hips, lower back, and neck. Stretch until a pills is felt in the muscle witho t£ pain and hold it for at leash 30 seconds; repeat 4-5 times daily.



USING EQUIP/ tENT Use the old stationary bid at OeedmiTT. StreWh arms Bad legs wig a towel or belt.

COUNTING CHORES

N dayt<>day household cho«•s, hke vacuuming, washing duhes, and doing laundry, may act as a krvr la moderate level of exercise, keep a track of these activities and challenge youWlf to do km Master or more frequently.



TAKE IT EASY

Evidence state thet exercise Ti ke Lai chi, yoga, and walking ie beafictaT for those with naroTogic conditions. A 2017 ze ir of sthies in the joumgl PaAinsonigm and feeled atrated that Lai chi Disorders and qigoog Mps D s if antTy rose motor I no6on, mood, i i and quad of T for people wit Parkinson's disease. Fas more on coosisWcy than intewily. Even sixty standing up and siaing down

jU5T DANCING

It is reported that rr<isic therapy Mps in improving moles symptoms and quality of lik, as per a 2018 review of



27 articles on its benefits, pub}ishod in W journal of tke Vicon /• ical Digs ietlon. TO are online clm available hich can die utilized dun g this time ol COVED.

LIFTING WEIGHTS

Strength train ng helps in developing

health. Also, it is good fa' brain and

men ink mobili and functim.

DOING EXERCISE IN. A CHAIR

Almost most of theaoivities ir<luding soetc£iing, yoga, saength shining, and even dancing may be adapted to be performed in a chair. Chair lated workouts can be customized to anyone's level of fitness and ability.

Th case Are the I' ié .too difficult tzy doing deep•bzeaihing exercises. Tance as many deeg brealla as you can and Tel them out stay. Repeat this 3-4 times in a row.





Source: 8 Ways to Stay Active at Home [Internet] [Updated Jun-Jul, 2020]. Available at: https://www.brainandlife.org/ articles/8-ways-to-stay-active-at-home/. Accessed on 21 Dec, 2020.

CARE GIVER - BURNOUT

CARE GIVER-BURNOUT

Caregiver blurnout is defined as a state of physical, emotional, and mental exhaustian which may be associated with a cbange in altitude, from positive and caring la negative and tnccmcemed. Generally, this phase comes when the caregivers do not gel the help they need, or II they try to do more than thy are able, physically, or financially.

Also, i\ i\$ observed that many ca ivW feel guilry if thoy sper•d time on themselves instead on chair ill ar elderly loved ooes. Burned out caregivers may experience fatigue, stress, anxiey and depression.

FACTORS CAUSING CAREGIVER BURNOUT

Generally, caregivers are so busy caring tor others that they neglect their own emotions), physical, and spiritual health. Tke demands on a caregiver's body, mind and emotions may easily seem overwhelming, resulting in fatigue, hopelessness and uittmaleTy burnout.

Olher faclors whicfi may be responsibk for caregiver burmn*t included

* ROLE CONFUSION: Many people as confused when thrust into thee role of caregiver. Tt might be diGcult for a person to separate her rol e as caregiver from her me as spouse, Server, child, friend, or another close reTa£ionship.

UNItEALISTIC EXPECTATIONS: Ma»y caregivers expect tT>eir izyvo[ement to esen a positive effect on The TyeaTtTy and happiness of the patieot. However, tTyis expectation migTyz be omealistic in pat ienz who are sefiering fern a prog ive disease, T ike Pa rkincon' s or ATzhe imer's.

LACK OF CONTROL: Many

caregiver might become frusbated due to harm of money, resources, and bills to eftectiveTy dan, manage, and organize their loved one's care.

 UNREASONABLE DEMANDS: It is observed What some of tke careg ners put unreasonable burdens upon themselves, partially as tbey providing CAT 05 T 4F EXC YFI-U rosponsibilily. Anne family members like siblings, adult chJdenortfpatient himself/ herself ni@t put unreasonable cle>na>ds on The caregiver. Also, thy migl>t disr<lia6 thai pvn responsibilities andplace





Mans WW wn wtiqw

• OTHEBJOBS: Mny caregivers are not able to recognize when they are BMezing bu mout and finan Ty reach a point where they cannot knction eJectiWly. They may even become sick.

SYMPTOMS OF CAREGIVER

PREVENT CAREGIVER

BURNOUT

\$g of the tips which may be helpful in preventing caregiver A W incluch

find someone you butt Ti g
 6Jend, co-warmer, or neighbour
 to whom you on @Tkebout
 faTi god fwsb•@ions.

that might aTsO need help while aregivin AsL others for hnlp with scune tmks. focal

worship might act as support gmups tether in person ii

members sJer<rig mm disease

Also, such organizations provide respite care to allow the caregiver to have time away from the patient.

Take advantage of respite care services as they help to take a temporary break from caregiving which might range from a few hmns of in-ho- care to a show stay in a nursing hrxne or assisted living facility.

Be realm about your loved ane's disease, particulady in case of progressive disease like Parkinson's or Alzheimer's Be aware rhat there might come a time when the patient naeds



nursing services or assisted living

- Qy]{
 as being M busy caring for scmiecme else. keep fixed time ior yourselb m'en iI it is just an hour or Taking care of yourself is rml a lumiry but on ehcolute necessity for caregivers.
- Tolk to a prof<o*ior>al like

who are tiuirred to counsel individuals dealing with a wide range of physical and emotional

h know your Tamils and be honest Cth youzseTf abosJt your pezsonaT

your potential few caregiver

- Educate yourself la krow rroe about the illness, which would make you more elective in caring few the person with the ilf
- Devebp new i>>ls for coping and remember to lighten up and accentuate the positive.
- ^t Eat ri@I and get plenty of exercise and sleep to remain healthy.
- e Accept yoJr feelings. Having n«gazive feelings -liko frustration or anger about your responsibilities or the petson for whc•m you are carir\g is normal. This does not make you a bed n or a bad caregiver.
- Join a cgregivel• support group as g6rin\$ your fat ings and experiences witb othws who experience the seme situation met Mp in ranging your sbess, k>cate kolpful resource, and reduce feel ings oI frtzstra6on and isoTatim.

BURNOUT

ŧ.

The simple+ro c6 caregiver burnout are (iLo the syrrptc+ro of stress and depression which may inclul

- * Withdrawal from friends, family, and other loved ones
- Loss of interest in activities which
 previously they used to enjoy
- Feeling blue, irritable, hopeless, and helpless
- * Changes in **appetite**, weight, of both
- * Change in •Jcep pstlmns
- R Getting sick more fmqundy
- * Feelings of *wanting to hurt

* Emotional and physical

TAKE CHARGE

NUTRIT FOR

Healthy eating post sooke is key to recovery. Selection of healthy foods may help in controlling blood pressure, body weight, reduce a person's risL of having another stroke, and might help with the demands of stroke <herapy and other daily activities.

R i\$ possible to p event another strol and stgy Melt iy by King upprepriate steps to control the body weight and blood pressure. A major step is making healthy food dices in the right di on and taking Mp

of a registered **dietitiw who can** ed the right foods A dietitian helps in leading how to prepare and plan meals and snap to eoince the health.

This article would help in sta4ng on the road to recovery after a stroke. As no two people have the same results it is advised to Incorporate these healthy eating urategies With IQ check-ups

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with the physician and taking the medications as pmcribed.

FOOD CATEGORIES THAT SHOULD BE INCORPORATED IN

THE PLATE

> GRAINS At lean half of j -our



choices from this gn>Jpcome ham whole grains.

- VEGETABLES: Often select nutñent ich day green end crsnge vegetable and regularly eat dried bear ar>d
 FRUITS• Eat a variety of fresh,
- ¥• FRUITS• Eat a variety of fresh, frozen, or dried fails daily.
- e• OAI¥rr. Select low-fat e fat-men dairy foods, or a variety of nondaily caTcium•rich Io(xJs daily.
- * PBOTEIhI• 5eTect Tow-fat or Mean meets, poultry; and remember to vary your choices with more beards, pens, nuts, seeds, and fish sources. In terms ct fats, make most of the rat sources from fish, nuts, and vegetable Old\$. L ITU It W M Xm fHW butter.

STRATEGIES THAT MAY HELP IN

kLDURING 1HE kISK OF A STROKE

I) Eat a rarely of (oods daily

As no single t'ood may ofier the bocly xwizh all tTye nutriez4ts char is required tor good Health, clJaase a variety of toads each day. Tz4corporate a variety at toads as suggested above. legu ¥ws — darL reds, ora»ges, vibrant yellows, deep greens, blues, and purples.

(3) Choose 5 ccips of fruits and vegetables da//y

The besi »'ay to get the be efits of a Thec[Ihy diet is to increase tTye intaLe of Art irs and vegetables. Th addizio y To s •ps 1 and 2, eat a minimum oi 5



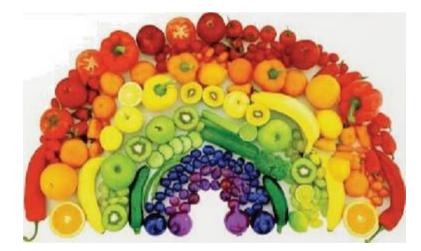
(2) Eat a rainbow of colorful foods at each meal

For achieving the health protective nutrients tound in fruits and vegetables, choose a variety ot colorful foods at each meal. Go tar a rainbow approach by choosi ng variety of fruits, vegetables, and

servings each day.

(4) head food labels

Reading tood labels helps in Teaming more about the toods yoti are eating. Ghost foods must have no£ritionaf information listed in a standard way. So while seTecTing Toads for reducing your risL of stroke, focus on the ToITowityg information on the food



lah<J /or each ser-ving:

- * Calories
- > Tool tat
- * Saturated fat
- * Trans Ta£
- * Cl olos\eral
- Sodium
- Dietary Liber

(S) Limit the iiiriitake of saturated and transl'at and chofesfero/

Tt is reported that diets high Hy saturated tats Ib in higTy clJolesterol and an increased risk at cardiovascular disease. Saturated hats tend to be solid at room &mperature and are /ound in animal prod'ucts \e.g., meat, c heese, egg yolLs, butter, and ice cream) and some vegetable oils (e.g., palm, palm kernel and coconut). Limiting the amount at saturated fat from these toads act as a key in prevention of strol.



(6) Reduce the sodium in fhe dief

Eating taa much sodium mi@Jt result in iTuid retention and increase your blood pressure. Not adding salt to



foods is one way to cut on the sodium, but * is not enmore on the

FOLLOW BELOW GIVEN TIPS TO CUT DDWN ON SODIUM:

- * Substitute herbs and spices for able salt as the laner is one of the largest sources of sodium in the diet. Instead of using salt, try using herbs and spices. Avoid mixed seasonings and spice blends having salt or garlic sa(t.
- Lfse fewer peed and caoned

 Apart from cdding flavor,
 sodium is used to pzesezve foods.

 The nx>re processed F>od have the h@er sodium comm.
 Limit cmvenience foods like canned and irratant soy or vegetables, canned meata, fzozw
 em, frozen side dishes with

and puddings, gravy and sauce mixes, and quick cooking boxed mixes for rice, pasta, and

► Use fresh ingredient is possible and foo<3s with no salt added.

S 600 mg of sodium. Limit toone of these per day. Always check the package labd for sodium content.

snacL foods such as **poiato** chips, peanua, pretzel, and oacbers are high in sodium. Select low

2 Boin&Ne -

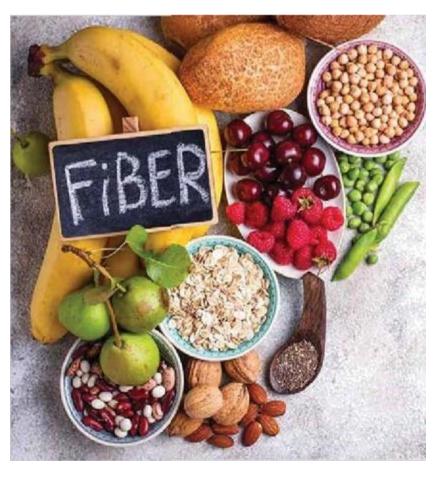
p f irmg gi p snacL6>ods oreat rrorenstutal snake ooh gs pTein poprom, bles, or Suit.

Read medication TabeTs
 Although not a significant source of sodium in your diet, read cold, headache, and storr¥gCh medication TabeTs. Many contain codium in the ingrediWts.

UNDERSTANDING TNE SODIUAt CONTENT INFOODS

- *• Inw•sodium: Contains fi 1 40 mg
- R Very low' codium: Contains 1 35 mg sodium per ring.
- > Reduced sodium: Contains 2S3'6 sodium in the c rabTe
- > Light c<lite in sodium: The food have at least 5096 less sodium than the cc<nparable food</p>
- * Na salt added: No salt was added in the p ing offlhe food product but nWraTTysueing sodium might be present in Lie ingredients.
- Most health p ionals limit persons wk high blood pressure oz a history of heart disease or stroke y! rng daily. &rrsuTt your physician to determine what sodium level is appropriate for you.

(7) Choose foods high in fiber





of added sugar

result in hypertension, obesity, I:ype 2 diabetes, and dyslipidemia, all of which ao as risk factors for strok•• Examples: edded sugar are white sugar, brown sugar, haney, morasses, jolly, jam, and sw<<tenod drinks.

(IO) Get so elect potassium

Adequate consumptiA ol dietary p•xassium is needed for maintain proper heart function. But it is observed that most of ihe adults do not consult enough potassium. Fruit, vegetables, and milk ptoduco are rich in potassium. Hence, consumption of recommended amounb of these food groups, Mps in achieving an adequate inlake of potassium. Bananas, apricots, oranges, car>taloupe, and apples are goodWñchoices. Vegetable having high potassit4m include pot•loes,

Fiber can reduce cholesterol and the overall risk for cardiovascular disease. Dietary fiber is lhe part of plants lhat the body cannot digest. As it passes through jrour body it affects <he way your body digests foods and abe>du nmrimb. Quen<ity of Ofrr consumptim not only añéct your cholesterol level and riSL lor sl oke be mey have othe h<Olth & Is like it helps in tro)fiog blood sugar, poodles reguTanty, presents gastrointestinal disease and helps in weight management.

WAYS TO INCREASE FIBER IN TNE DIET

- Start the day with whole grain cereal or whole grain toast (if high cholesterol then select oatmeal or oat bran cereal or toast).
- * Instead of fart juice, have a whole piece of bit.
- * Top yogurt or cottage cheese with fresh fruit or nuts.
- * Substituk brown rice for wh te.
- * Drab fruit, veggies, as a heady



(8)fi4aintaining or achieving a healthy 6o@ we*gfif

Anotha soategy whig Mpa in •ducing be risk of a s is to achieve a healthy body weight. Kg a check on the portion sizes, eat foods high in fiA end Tow in far avoid fad diets, increase asivity, and keepir\g tzaA of eatiog kabits are ways to achieve a heaTtky body weight.

f9J decrease intake

sweet potatoes, spinach, 2ucchini, and tomatoes.



Excercibsefoc PERIPHERAL NEUROPATH'Y

Research has shown that strengthening exercises for peripheral neuropathy moderately improve muscle strength in people with PN. In addition, exercises Q he|p peripheral neuropathy, min done regu1arly, may reduce neuropathic pain and csn Tip control blood sugarlevols.

AEROBIC EXERCISE

y g qt males, aod raises your breathing rate. For most people, is best to aim for a total of about 30 minutes a day, 3-5 days a week. R you haven't been active reewtly, you can start oUtwth S or 10 minutes a day and work to more time each week. Or split up yr activi & the day try a 10-minute walk eachmeal.

Here are some examples of aerobic

- Takea brisk walk loutside or inode on a treadmill)
- Take a low-impact aerobics class
- Swim or do water aerobic
- Stationary bicycle indoors

FLEXIBILITY EXERCISES Flexibility exercises, also called

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stretching, help keep your joints flexible and reduce your chances of injury during other activities. Gentle stmching for 5 to 10 minutes helps yourbody warm up and get reacly for aerobic aoivities such as walking or swimming.

Call'Stretch

Place one leg far behind you with the W point ski@thy inward. Take a Tafge step fooa/ar'd with the opposit f>ot.¥Vith the front knee slightly bent Mean forward keeping your bact heel



on the floor. You should ${\mathbb M}$ a muscle stretch in the calf of your back leg.

HOLD: 15-20 SECONDS ON EACH LEG

Seated Hamstring Stretch

5itt\ ng on be front haif & a firm chair, place one deg out stra ight with the foot pointi og up. Bend th'e oppos ate knee so that yr r foot is flat on the fTooz. Center yolur chest BWP 5tE64 ht i@, BWd SiOW\

straighten your back until you feel a muscle srich +n the back d Our leg.

HOLD: 15-20 SECONDS ON EACf1 LEG



Plantarfascia Stretch



While facing a door Name, place your heel as close to be door frame as possible. 5Tmvfy Mean Arward, aTlmving your heel to slide back as your toes extend upward. To increase the stretch, bend the front knee toward the door trame. You should feel a muscle stretch in the bottom of your foot and along your heel cord.

HOLD: 15-20 SECONDS

STRENGTH TRAINING

Strength training exercises help lo make the muscles stronger and more Injury resistant. It can help you regain lost sDength in your muscles through constant banning routines. Here are some strength training exercises u can do at home.

CMck with your physician before beginning any exercise program.

kitchen Coonfer Ca// Aaises

While standing at be kitchen counter, place two finger tips on be counter. Stand on one foot Tilting be other heel all the moor, standing on your toes tas you strengthen yr



muse les, by to alternate your feels as shenazo in the picture below). STowTy Tower yourse4t D the floor and regeat Once you are on your toes contral your foweri og Do not just drop down to the floor.

REPEAT: 10-15 TIMES

Chair Squat

Using • a rm chair with armzests, position your in a split stance with one foot at the base of the chair and the other toot placed comfortably in front and sTightTy out to the side. Slowly transfer your weight tozward until your legs are supporting your body wei@t. 5Towfy *prefix* up with While seating on the tront half of a chair place both feet tlat on be floor. Gradually pull the toes and ankle up as high as you can. 5lowTy let them down. To make his exercise mane challenging position your feet closer to your body.

BEPEAT• 10-15 TIMES

BALANCE

Keeping your balance system healthy is especially important ii you have problems due to illness, such as joint pain, weakness or dizziness. Balance training can help you get back to normal, and overcome feelings of st\finess ar unslead\ness. Balance,



your legs to standing. To lower yourself, slowly reach for the chair \vilh your hops. TouCh the chair with your bips and press back up forour next r<perition. Do not "plop" in chair or rest in bar.veen repetitions.

REPEAT: 10 -1S TIMG

Seated DorsiRexion



in panicular, is emerging as an important element /or cho elderly. Older muscles are smaTTer and shower and respond less efficiently when you need to brace yourselves, making you more vuTnerabTe to faTls.

Rifcfieii *Coirnter Call* Rarses



While standing at the kitchen Hunter, place two finger tips on the counter. Stand on one foot Tilting the other heel Pdf be for, standing on your toes {as you strengthen your muscles, try to aTlemate your heels as shown in the picture below). Slowly lower zseTf to the floor and reqeat. Once you are on your toes control your Towering Do not just drop down to the for.

REPEAT: 10-15 TIMES

2 REPETITIONS ON EACH LEG /2 TIMES A DAY.

I-lip Flexion

T-hold table or chair with ooe hand, then one fingertip, Men no har<ls; then do exercise with eyes closed, if steady. Stand straight: holding onto table or chair for balance. STowTy bend one koee toward chest,



without bending waist or hips. Hold position for 5-10 seconds. Slowly lower leg all the way down. Repeat with other leg.

HOLD: 5-10 SECONDS

REPEAT: 2 REPETITIONS ON EACN LEG/Z TIMES A DAY.

^[∗]R Extension



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Hold chair oz table with one hand, then one liogertip. then no hands; then do exercise with eyes closed, if steady. Stand 1 2 to 18 inches from chair or table. Bend at hips; hold onto chair oz table. Slowly lift one leg straight backwards. hold positim W 5-TO sections. 5Towly 1ower 1eg and repeat with other deg.

Side leg Raise

Hold emir or table with one hand, then one fingertip, then no herds; tW do exercise with eYes clow•d, if steedy. Stand stzaighl, directly behind chair of table, feet slightly apart. Hold chair or tab4e for balance. STowTy Tilt ane deg to side, 6-T2 inches. Slcnady



NOLD: 5-10 SECONDS BEPEAT: 2 REPETITIONS ON EACN LEG /2 YIM£5 A DAY

lower let and repeat wirh other leg. Your bad and krees as sDaig t throughout exmise.

HOLD: 5-10 SECONDS BEPEAT: 2 REP£TJTIONS ON EACH LEG/2 TIM£S A OAY



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Makers of:



Neuvoel; mPJ'is Neuroet; mQg

Enhance the Ce-t iance

The Comprehensive Solution



lseued in fhe inferesf of Public uwurenees Q Education h\$



Makers of:



Neuvoel; mPJ'is Neuroet; mQg

Enhance the Ce-t iance

The Comprehensive Solution

