



SYSTEMATIC REVIEW

Frailty recommendations and guidelines: an evaluation of the implementability and a critical appraisal of clinical applicability by the ISPRM Frailty Focus Group

Eleftheria ANTONIADOU ¹ *, Emanuele GIUSTI ², Paolo CAPODAGLIO ^{3, 4}, Der-Sheng HAN ^{5, 6},
Francesca GIMIGLIANO ⁷, Juan M. GUZMAN ⁸, Mooyeon OH-PARK ⁹, Walter FRONTERA ¹⁰, Expert Panel ‡

¹Geriatric Rehabilitation Clinic Centre Hospitalier du Nord, Ettelbruck, Luxembourg; ²EPIMED Research Center, Department of Medicine and Surgery, University of Insubria, Varese, Italy; ³Unit of Physical and Rehabilitation Medicine, Department of Surgical Sciences, University of Turin, Turin, Italy; ⁴Unit of Rehabilitation, Istituto Auxologico Italiano IRCCS, Piancavallo, Verbania, Italy; ⁵Department of Physical Medicine and Rehabilitation, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan (R.O.C.); ⁶Department of Physical Medicine and Rehabilitation, National Taiwan University Hospital, Bei-Hu Branch, Taipei, Taiwan (R.O.C.); ⁷Dipartimento di Salute Mentale e Fisica e Medicina Preventiva Università Vanvitelli Campania, Naples, Italy; ⁸Academic of School of Medicine, Saint Paul, Mexico; ⁹Burke Rehabilitation Department of Rehabilitation Medicine, Albert Einstein College of Medicine, Montefiore Health System, New York, NY, USA; ¹⁰Department of Physical Medicine, Rehabilitation, and Sports Medicine, Department of Physiology, University of Puerto Rico School of Medicine, San Juan, Puerto Rico

‡ Members are listed at the end of the paper

*Corresponding author: Eleftheria Antoniadou, Geriatric Rehabilitation Clinic Centre Hospitalier du Nord, Ettelbruck, Luxembourg.
E-mail: eleftheria.antoniadou@gmail.com

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ABSTRACT

INTRODUCTION: Aging is associated with an increased burden of multi-morbidity and disease related functional loss and disability, widely impacting patients and health care systems. Frailty is a major actor in age-related disability and is an important target for rehabilitation interventions, considering that is a reversible condition.

EVIDENCE ACQUISITION: A working group of members of the ISPRM, responding to WHO 2030 call for action to strengthen rehabilitation, was established to assess the quality and implementability of the existing guidelines for the rehabilitation of frailty. Guidelines were retrieved using a systematic search on Pubmed, Scopus and Web of Science and from the reference lists of screened articles. The included guidelines were evaluated using the AGREE II to assess their quality and using the AGREE-REX to assess their clinical credibility and implementability. Guidelines with a score >4 in the AGREE II item evaluating the overall quality of the guideline were considered for endorsement. Finally, nine external reviewers evaluated the applicability of each recommendation from the endorsed guidelines, providing comments about the barriers and facilitators for their implementation in their country.

EVIDENCE SYNTHESIS: Ten guidelines were retrieved and evaluated by the working group, of which four guidelines, *i.e.* the WHO Guidelines on Integrated Care for Older People, the FOCUS guidelines, the Asia-Pacific Clinical Practice Guidelines for the Management of Frailty and the ICFSR International Clinical Practice Guidelines for Identification and Management of Frailty, were considered for endorsement. All these guidelines were rated as of adequate quality and implementability.

CONCLUSIONS: The WHO Guidelines on Integrated Care for Older people (24) the ICFSR International Clinical Practice Guidelines for Identification and management of Frailty (15), the FOCUS guidelines (25) and the Asia Pacific Clinical Practice Guidelines (14) for the Management of Frailty have the best quality and applicability of the existing guidelines on the management of frailty, we suggest that should be employed to

define the standards of care for patients with frailty. There are barriers for their implementation, as stated by our experts, to take into account, and some of them are country- or region-specific. Screening for frailty, exercise, nutrition, pharmacological management, social and psychological support, management of incontinence, and an overall comprehensive clinical management are the best tools to face upon frailty.

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KEY WORDS: Frailty; Aged; Guidelines.

The WHO Guidelines on Integrated Care for Older people the ICFSR International Clinical Practice Guidelines for Identification and management of Frailty, the FOCUS guidelines and the Asia Pacific Clinical Practice Guidelines for the Management of Frailty have the best quality and applicability of the existing guidelines on the management of frailty, we suggest that should be employed to define the standards of care for patients with frailty. There are barriers for their implementation, as stated by our experts, to take into account, and some of them are country- or region-specific. Screening for frailty, exercise, nutrition, pharmacological management, social and psychological support, management of incontinence, and an overall comprehensive clinical management are the best tools to face upon frailty.

The aging of the population is an important challenge and countries around the world must consider the health and social needs of older adults.¹ This challenge will be more noticeable in the very near future. For example, by the year 2050, 1 out of 5 people living in the world will be older than 60 years of age, a situation that will be particularly true in low- and medium-income countries.¹

Aging is associated with an increased burden of morbidity and disease related functional loss and disability.² Age-related changes and health conditions that increase the probability of experiencing disability include sarcopenia, osteoporosis, loss of balance, and frailty.^{3, 4} To address this challenge the World Health Organization (WHO) has launched a special program called “Rehabilitation 2030: a call for action”, to promote the inclusion and strengthening of rehabilitation at all levels of care in health care systems and the availability of rehabilitation services for all in need.⁵ To realize such an ambitious and important plan, the multidisciplinary rehabilitation team must be provided with the best evidence to deliver adequate and successful rehabilitation.⁶

In response to above-mentioned call for action, the International Society of Physical Medicine and Rehabilitation (ISPRM) convened a group of experts to analyze and provide the best recommendations concerning frailty, one

of the most important geriatric syndromes. Frailty has been defined by the WHO as “a clinically recognizable state in which the ability of older people to cope with every day or acute stressors is compromised by an increased vulnerability brought by age-associated declines in physiological reserve and function across multiple organ systems.”⁷ Frailty is a major actor in age-related disability and is an important target for rehabilitation interventions.

Frailty is, at least partially, preventable and reversible with appropriate rehabilitation interventions.⁸ Several interventions have been developed to address the physical and clinical manifestations of frailty. However, it is not clear which interventions are the best and how can they be implemented in everyday clinical practice. To answer this very important question the ISPRM Frailty Working Group has developed the recommendations and guidelines included in this document evaluated the quality and applicability of the guidelines and the implementation into clinical practice.

Evidence acquisition

An evaluation of the existing recommendations for the treatment and rehabilitation of frailty was performed using a multi-step procedure. A Working Group (WG) of members of the ISPRM was convened. The members of the WG represented different areas of the world and a researcher with expertise in development of clinical guidelines was included. The Working Group was responsible for coordinating the various steps of the study, conducting the critical evaluation of the guidelines retrieved through a systematic literature search, identifying and contacting PRM physicians from different areas of the world for the assessment of the applicability of the existing recommendations, and making the final decision on the recommendations to be endorsed by the ISPRM.

Systematic search

A systematic search of the scientific literature was performed in February 2021 to retrieve published guidelines

addressing the treatment and rehabilitation of frailty. The inclusion criterion was being guidelines for the rehabilitation of patients with frailty. The exclusion criteria were: 1) being guidelines for the management of the comorbidities of subgroups of patients with frailty (e.g. guidelines for the management of diabetes in frail patients); 2) being guidelines for single aspects of the rehabilitation of frailty (e.g. physical exercise, pharmacological management). The search was performed using the electronic databases PubMed, Scopus and Web of Science using the keywords “frailty,” “elderly,” “older people,” “guidelines” and “recommendations.” In addition, guidelines that were already known to the participants of the WG were added to the study pool. The records retrieved through the search were exported to the online Rayyan software,⁹ which was employed by two reviewers to perform the screening by title and abstract. Then, the same reviewers performed the screening of the full-text of the records included in the previous stage. In both stages, conflicts were solved by consensus. During the full-text screening, bibliographies of the screened articles were consulted to identify additional guidelines not included in the original pool.

Critical appraisal of the existing guidelines

The members of the WG employed the AGREE II¹⁰ checklist to assess the quality of the guidelines and the AGREE-REX checklist¹¹ to assess their clinical credibility and implementability. Both checklists are available online at the website of the AGREE Research Trust (www.agreetrust.org). The AGREE II is a checklist including 23 items assessing the following domains: scope and purpose, stakeholder involvement, rigor of development, clarity of presentation, applicability and editorial independence of each guideline. In addition, two global rating items are used to perform an overall assessment of the quality of the guidelines and to rate whether the guideline would be recommended for use in practice. The AGREE-II showed adequate internal consistency, inter-rater reliability and content validity.^{12, 13} The AGREE-REX is a checklist including 9 items assessing the following domains: clinical applicability, values and preferences and implementability. The AGREE-REX showed adequate internal consistency and content and construct validity.¹¹

The critical appraisal of each guideline was performed independently by two members of the WG. After the independent critical appraisal, discrepancies were resolved by consensus. Domain scores were calculated by summing up all the scores of the individual items in a domain and by scaling the total as a percentage of the maximum possible

score for that domain. Domain scores <50% were considered poor, domain scores between $\geq 50\%$ and 70% were considered acceptable, domain scores $\geq 70\%$ were considered excellent. Finally, the guidelines with a score >4 in the AGREE II item evaluating the overall quality of the guideline were considered for endorsement and their applicability was evaluated in the following step.

External evaluation of the applicability of the endorsed guidelines

The applicability of the guidelines selected in the previous step was evaluated by nine geriatric specialists not included in the WG which were enrolled as external reviewers. The country of origin of these reviewers were Colombia, Brazil, South Korea, Italy, Japan, Australia, Russia, Spain and Tunisia. These external reviewers were asked to rate the applicability of the individual recommendations of each guideline, defined as the degree to which the recommendation can be tailored to the reviewer's local setting, the availability of human and economic resources needed to implement the recommendation, the availability of competencies and training of personnel required to implement the recommended actions, the presence of barriers related to provider or patient acceptability of the recommended actions, as well as the barriers related to rules and regulations of the reviewer's county. The external reviewers were provided with an Excel file containing a form in which all the recommendations were grouped under the following topics: planning of care, screening of frailty, pharmacological management, nutrition and supplementation, physical exercise, cognitive stimulation, psychological and cognitive management, environmental adaptation, social support, oral health and urinary incontinence management. For each recommendation, the external reviewers were asked to rate its applicability based on the definition reported above, using a Likert scale ranging from 1 (“insufficient applicability”) to 7 (“excellent applicability”), and to provide a comment about the applicability of that recommendation. In addition, the external reviewers were asked to provide an overall comment for each topic, highlighting the problems or gaps regarding all the recommendation grouped under that topic. The ratings and comments by the external reviewers were discussed by the members of the WG and synthesized using descriptive tables.

Evidence synthesis

The electronic search yielded 1932 records and 5 records were added by the members of the Working Group or re-

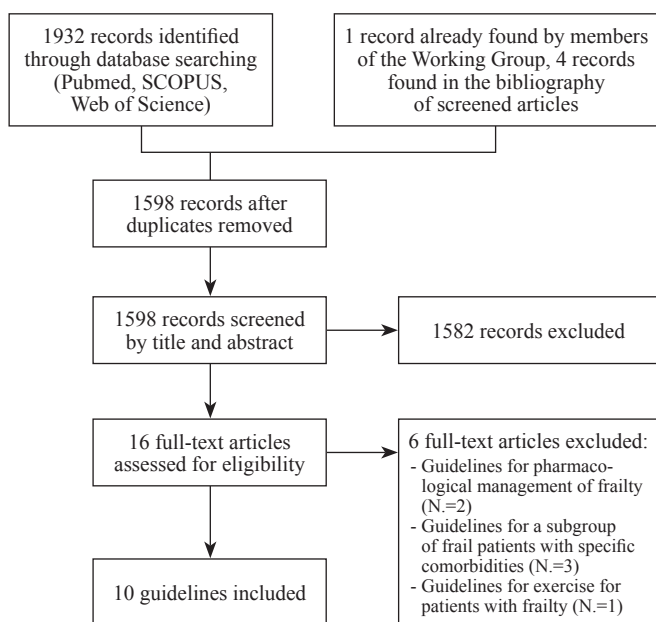


Figure 1.—Flow diagram depicting the stages of the systematic search and screening of the retrieved records.

trieved from the reference list of screened articles. After the screening stages, 10 guidelines were included. The flow diagram of the systematic search and screening of the literature is reported in Figure 1.

Supplementary Digital Material 1, Supplementary Table I¹⁴⁻²³ describes the included guidelines. Six guidelines were developed by Guideline Development Groups mainly composed by experts in the field of geriatrics,¹⁴⁻¹⁹ one mainly composed by experts in the field of nursing,²⁰ one mainly composed by experts in the field of family medicine,²¹ one mainly composed by experts in the field of health and social sciences,²² and one by a multidisciplinary group of experts in the fields of public health, epidemiology, geriatrics, nursing, neurology, psychiatry, occupational therapy.²³ Two guidelines were developed using the GRADE methodology,^{15, 23} one using a modified GRADE methodology²² and two using Delphi procedures.^{14, 19} The methodology of five guidelines was not reported.

Results of the critical appraisal of the included guidelines

Supplementary Digital Material 2, Supplementary Table II reports the results of the critical appraisal of the included guidelines. Four guidelines, namely the WHO Guidelines on Integrated Care for Older People,²³ the FOCUS guidelines, the Asia-Pacific Clinical Practice Guidelines for the Management of Frailty and the ICFSR International Clinical

Practice Guidelines for Identification and Management of Frailty, had an overall assessment ≥ 5 and were considered for endorsement.^{14, 15, 22, 23} These guidelines had at least acceptable scores in all the domains of the AGREE II, except for the Asia-Pacific Clinical Practice Guidelines for the Management of Frailty which had poor scores in the Stakeholder involvement, Rigor of development and Editorial Independence domains. Regarding the AGREE-REX, the scores were excellent in all the domains of two of these guidelines.^{22, 23} The ICFSR International Clinical Practice Guidelines for Identification and Management of Frailty had a score $>70\%$ in the Clinical applicability domain, a score $>50\%$ in the Implementability domain, but a score $<50\%$ in the Values and preferences domain.¹⁵ The Asia-Pacific Clinical Practice Guidelines for the Management of Frailty had scores $>50\%$ in the Clinical applicability and Implementability domains, but a score $<50\%$ in the values and preferences domain.¹⁴

Results of the external evaluation of the applicability of the endorsed guidelines

Supplementary Digital Material 3, Supplementary Table III reports the individual recommendations of the guidelines considered for endorsement, as well as the results of the external evaluation of their applicability. The median applicability score of all the individual recommendations across the external reviewers was ≥ 4 , which is the mid-range value of the scale.

Supplementary Digital Material 4, Supplementary Table IV reports the comments by the external reviewers regarding the applicability of the groups of recommendations for each topic.

Discussion

Based on a multistep evaluation of the quality and applicability of the existing guidelines on the management of frailty, we suggest that the WHO Guidelines on Integrated Care for Older people²⁴ the ICFSR International Clinical Practice Guidelines for Identification and management of Frailty,¹⁵ the FOCUS guidelines²² and the Asia Pacific Clinical Practice Guidelines¹⁴ for the Management of Frailty should be employed to define the standards of care for patients with frailty. In detail we provide a recommendation summary and a practice guide.

Care planning

Recommendation summary no 1: the recommendations as an overall suggests a multicomponent, tailored care to

prevent and delay frailty, with a comprehensive care plan that should address, polypharmacy, sarcopenia, treatable causes of weight loss, exhaustion, and risk of falling with exercise, nutritional intervention and the combination of both. The involvement of a multidisciplinary team especially in clinical setting and the reference to a geriatrician (if frailty is advanced) is also recommended (when possible). The evidence is low, but the recommendation is strong.^{14, 15, 22, 24}

FROM RECOMMENDATION INTO PRACTICE

The organization of a multicomponent intervention by a multidisciplinary team is a difficult, time consuming and expensive endeavor, but is the best clinical management for frail older people, especially when based in a Comprehensive Geriatric Assessment (CGA) type approach.²⁵ CGA is defined as a multidisciplinary diagnostic and treatment tool that identifies medical, psychosocial, and functional capabilities of a frail older adult in order to develop a coordinated plan to maximize overall health and functioning.²⁶ In the acute setting a mobile geriatric team can evaluate the older patient in any department and help for the appropriate discharge planning whether in a rehabilitation unit or back in the living environment.²⁷ In the primary care such a comprehensive approach is very difficult, we can still propose a mobile geriatric team or the referral to an outpatient geriatric clinics where this complex evaluation process could take place.²⁸ Nevertheless, the primary care physician must be aware of the availability of these structures and address the patient when needed.

Screening

Recommendation summary no 2: there is a strong recommendation to screen for frailty in the primary care and in clinical settings with validated and suitable instruments. Although the level of evidence is low the recommendation is high and there is a very high agreement from our expert panel concerning the importance of such intervention. Screening for visual and hearing impairments to promptly address any problem is also very important for older people (strong recommendation, low level of evidence).^{14, 15, 22, 24}

FROM RECOMMENDATION INTO PRACTICE

The screening process is as noted crucial in identifying the older persons that if detected early they could benefit from interventions aimed to reduced or even to reverse frailty.²⁹ Thus, it must be done in every setting and from any profes-

sional that is in contact with frail older people. The type of instruments must be simple and quick, of high validity and specificity for the task, and also with limited equipment. The ADVANTAGE JA⁸ on frailty, proposed a variety of such tools to be used accordingly.²⁹ The simplest of all is the measurement of gait speed that is a quick estimate or whether or not to proceed to further evaluation. This tool needs no translation and is easy to perform with a timer watch.

Pharmacological management

Recommendation summary no 3: there is no evidence for any pharmacological or hormonal treatment or other types of interventions against frailty. There is a strong recommendation to address polypharmacy and mostly inadequate prescription.^{14, 15, 22, 24}

FROM RECOMMENDATION INTO PRACTICE

There are tools to help the clinician manage polypharmacy. The more important is to reduce inadequate prescription, meaning the harmful or not absolute necessary pharmacological products.³⁰ To help the clinician and the clinical pharmacist towards this end check lists have been created like the Screening Tool of Older Person's Prescriptions (STOPP)/Screening Tool to Alert doctors to Right Treatment (START) criteria, that is used to detect potentially inappropriate medications and treatment omissions, and the Beers criteria to identify medication problems in older patients.³¹ With these tools the clinician can check whether any medication used by the patient is presenting a high risk for complications and (with the START/STOPP) list if there is a safer alternative, for example to use SSRIs instead of benzodiazepines as a treatment for mood problems.³²

Nutritional supplementation

Recommendation summary no 4: weight loss and malnutrition must always be considered in frail older people and dietary advice and nutritional interventions must be implemented to ensure adequate protein and caloric intake (strong recommendation and moderate level of evidence). Nutrition is a key intervention whether alone or with combination with cognitive and exercise interventions (conditional strength of recommendation). Oral supplementation with nutrients in very severe cases could be considered (very low level of evidence). Oral supplementation with vitamin D is not recommended against frailty but only if the levels of vit D are below 30 mg/dL.^{14, 15, 22, 24}

RECOMMENDATION INTO PRACTICE

The challenge that the clinician faces in everyday practice is to be able to detect, evaluate and manage malnutrition. Older people with cognitive impairment are the more vulnerable for malnutrition as well as for dehydration and must be evaluated for signs and symptoms of this condition.³³

It is important to recommend a screening tool for malnutrition such as the Mini Nutritional Assessment³⁴ and, if indicated, by clinical signs and symptoms an endoscopic evaluation for swallowing disorders.³⁵⁻³⁷ Dysphagia may increase the risk of complications and malnutrition.

A protein rich diet with at least 1-1.5 gr/kg/day can be recommended²⁵ also for the prevention of frailty.³⁶ The source of the protein recommended can be animal or protein-based that depending on the overall health status and the personal beliefs and cultural values of the person.³⁷ There are studies that also recommended the repartition of the proteins between meals (2 or more)^{36, 38} but the evidence is not conclusive. Supplementation with protein rich solutions could be used but in some countries the resources to do this may not be available.^{39, 40}

Vitamin D supplementation is not recommended for frailty²⁵ but for frailty related conditions like falls and as always it must be supplemented if needed to achieve the 30 ng/dL.

Exercise

Recommendation summary no 5: multimodal exercises (balance, strength, flexibility and functional training) should be offered to frail older people and also as a prevention strategy for pre-frailty (moderate evidence strong recommendation). Health professionals are strongly encouraged to refer older people to exercise programs with a strong resistant training component (strong recommendation moderate evidence). The program could be also in combination with other interventions (like nutritional and cognitive).^{14, 15, 22, 23}

RECOMMENDATION INTO PRACTICE

But what is a multicomponent exercise protocol that seems to really work and how to implement it? And what about frequency, duration, and intensity?

A multicomponent exercise program must include endurance, strengthening, balance and flexibility exercises.^{41, 42} The exercise regimen is personalized and depending of an overall evaluation of the older person, starting at

a certain intensity and increasing or decreasing depending on the persons progress.⁴³ As a general rule:

- the strengthening exercises can be prescribed as a percentage of the one repetition maximum (1RM) because it will allow the monitoring of progress and the progression of intensity. In the presence of frailty,⁴⁴ it is better to start at a relatively low intensity such as 30% of the 1RM (and even less if there are health conditions that require a lower intensity) and progress slowly and gradually,²⁵ although there is no clear evidence of the optimum starting intensity.^{14, 15, 22} The prefrail and the robust older patient must be given higher doses of exercises.⁸ The frequency of strengthening exercises should be 2-3 times per week. The duration is still debatable, but, based on the evidence, it is reasonable to suggest that a minimum of 8 weeks⁸ is needed for changes to be measurable, although patients may perceive improvements before that.

- Many protocols for endurance training have been proven to be effective, as a general rule the 150 min per week of aerobic exercise can be implemented.^{14, 25} The same rule as for strengthening could be applied (start safe and slow and monitor improvement). Perceived exertion scales (like BORG and Modified protocols)⁴⁵ can be used to monitor the intensity of the exercise. The presence of comorbidities must be considered when prescribing exercise.

- Balance exercises are especially important for frail older people because of the high incidence of falls in this population.^{8, 14, 24, 25} The best way to train balance is with exercises that challenge balance (ex. moving the base of support, and diminishing the need of using the upper arms)⁴⁶ there are also exercise protocols like the Otago⁴⁷ or TaiChi⁴⁸ that have been proved effective.

- Flexibility exercises are important for the maintenance of healthy joint range of motion and should target all major joints.⁴⁹ We must also keep in mind that observational studies results, consistently showed that longer physical activity duration was associated with lower risk of frailty, regardless of how frailty was defined.⁵⁰ Also, that there is no difference between moderate and vigorous activity (defines as MET-hours per week of physical activity, the HR was 0.51 (0.48-0.54) for moderate, and 0.75 (0.71-0.79) for vigorous activity), whether because any potential benefit may come from different types of activities or that for the older women moderate activity when performed is considered as vigorous.⁵¹ Also important is that the results remain for any latency period.⁵¹

Walking is the activity mostly performed by older people and it seems that even just walking for at least 150 min·wk⁻¹ of moderate-intensity or 75 min of vigorous-

intensity is effective is also low cost and can be undertaken with limited location, time, and equipment.⁵²

Cognitive stimulation

Recommendation summary no 6: cognitive stimulation can be considered for older people with cognitive impairment (conditional recommendation with low level of evidence).²⁴

FROM RECOMMENDATION INTO PRACTICE

Cognitive stimulation can have an effect when started early and usually when the cognitive impairment is mild to moderate.⁵³ Thus evaluate cognitive performance should be done, with an appropriate assessment tool like the MMSE or the MoCA and if a cognitive impairment is detected then a more comprehensive neurocognitive evaluation and approach should be used.²⁴

Psychological and cognitive management

Recommendation summary no 7: psychological support must be offered to caregivers and family members (strong recommendation with moderate evidence). Depression symptoms in older people could be addressed by structured psychological interventions, in accordance with WHO mhGAP intervention guidelines, delivered by health care professionals with a good understanding of mental health care for older adults. (Quality of the evidence: very low; Strength of the recommendation: conditional).²⁴

FROM RECOMMENDATION INTO PRACTICE

Screening for depression could be done with a simple tool that needs no specific training if experts are not available. We suggest a Geriatric Depression Scale (GDS) or a miniGDS⁵⁴ scale to screen for depressive symptoms.

The aim would be to refer for further treatment, whether pharmacological or psychological or both only those patients that have a need for it. The selective serotonin reuptake inhibitors (SSRIs) and the newer antidepressants bupropion, mirtazapine, moclobemide, and venlafaxine (a selective norepinephrine reuptake inhibitor or SNRI) are all relatively safe in the elderly cause of fewer anticholinergic effects and also because of their pharmacological profile.⁵⁵

Environmental modifications

Recommendation summary no 8: following a specialist's assessment, home modifications to remove environmental hazards that could cause falls should be recommended for

older people at risk. (Quality of the evidence: moderate; Strength of the recommendation: strong).²⁴

FROM RECOMMENDATION INTO PRACTICE

Home modifications are important to avoid hazards in the house.⁵⁶ A home visit is the best solution together with the family and the older person to actually evaluate the person in his own environment and detect any possible danger or obstacle.⁵⁷ Alternatively, photos of the house can be discussed with family members to suggest modifications to avoid the need for an on-site visit by the staff.⁵⁸ This is an intervention usually done by the occupational therapist to ensure that the house where the older people spend most of their time is safe.²⁴ Research findings are inconsistent and sometimes even contradictory in their reports of the effect of hazard reduction and home modification on fall rates.⁵⁷

Social support

Recommendation summary no 8: all persons with frailty should be offered social support as needed to address unmet care needs and encourage adherence to the Comprehensive Management Plan (Strong recommendation; very low certainty of evidence).¹⁵

FROM RECOMMENDATION INTO PRACTICE

Social support networks with the involvement of peer support groups and other local networks are particularly important for the successful transition into the community.⁵⁹ Loneliness or isolation is very common with aging and among frail older people.⁶⁰ It is recommended to identify these networks and help connect the older person as a broad approach to the social living environment.²⁴ The impact on social support on outcomes in older persons with frailty is uncertain. There is some evidence that in older people social support could enable health-behavior change.^{15, 61}

Oral health

Recommendation summary no 9: advise older adults with frailty about the importance of oral health (CBR; no data).¹⁵

FROM RECOMMENDATION INTO PRACTICE

We must always screen for any dental issues (by basic clinical examination and anamnestic data) that can impair mastication and as a consequence nutrition. Then refer the patient to a dentist especially someone with experience in older patient is preferable.⁶²

Urinary incontinence

Recommendation summary no 10: pelvic floor training with or without the combination of bladder control strategies and self-monitoring, should be recommended for older women with urinary incontinence (urge, stress or mixed). (Quality of the evidence: moderate; Strength of the recommendation: strong). Prompted voiding for the management of urinary incontinence can be offered for older people with cognitive impairment. (Quality of the evidence: very low; Strength of the recommendation: conditional).²⁴

FROM RECOMMENDATION INTO PRACTICE

Incontinence negatively impacts the quality of life of older person.²⁴ There are both conservative and surgical solutions to this important problem⁶³ but older people tend not to discuss the issue with their health provider and usually it remains a taboo. The prevalence is twice as common in older people with frailty compared to older people without frailty (39.1%). The physicians must start the conversation and discuss the possible solution like products, pharmacological treatment and pelvic floor rehabilitation and also in some cases surgery. It is very important that they don't only look for containment options but they should focus on a more proactive management. It is advisable to start as soon as possible the treatment, always opting with the no pharmacological options, like pelvic floor exercise (exercises designed to strengthen the muscles of the pelvic floor) before starting medications due to the additional burden the treatment bears to the older patient.^{64, 65} When needed, pharmacological treatment should be in place but usually is preferable to start with b3 (like mirabegon) agonist before trying the anticholinergic medications due to the lower risk for side effects⁶⁶ (Supplementary Digital Material 5: Supplementary Figure 1).

Conclusions

Managing frailty is a challenge for every physician, in this paper we tried to assess the implementability and the effectiveness of the existing guidelines as well as and how to implement recommendations into everyday clinical practice. The WHO Guidelines on Integrated Care for Older people²⁴ the ICFSR International Clinical Practice Guidelines for Identification and management of Frailty,¹⁵ the FOCUS guidelines²² and the Asia Pacific Clinical Practice Guidelines¹⁴ for the Management of Frailty have the best quality and applicability of the existing guidelines

on the management of frailty, we suggest that should be employed to define the standards of care for patients with frailty. There are barriers for their implementation, as stated by our experts, to take into account, and some of them are country- or region-specific. Screening for frailty, exercise, nutrition, pharmacological management, social and psychological support, management of incontinence, and an overall comprehensive clinical management are the best tools to face upon frailty.

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Conflicts of interest

The authors certify that there is no conflict of interest with any financial organization regarding the material discussed in the manuscript.

Authors' contributions

All authors read and approved the final version of the manuscript.

Group author members

Hidenori ARAI; Michelangela BARBIERI; Ian CAMERON; Eya CHERIF; Jae-Young LIM; Luz-Helena LUGO-AGUDELO; Linamara RIZZO BATISTELLA; Lubov MATCHEKHINA; Leocardio RODRIGUEZ MANAS.

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Supplementary data

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