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# Paws with a Purpose: Evidence Supporting the Use of Animal Assisted Therapy to Improve Quality of Life in Adults with Psychiatric Diagnoses

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## Paws with a Purpose:

### Evidence Supporting the Use of Animal-Assisted Therapy to Improve Quality of Life in Adults with Psychiatric Diagnoses

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Presented in Partial Fulfillment of the Master of Science in Occupational Therapy degree at Thomas Jefferson University

#### Objectives of Presentation:

At the conclusion of this presentation, the audience will be able to:

1. Define Animal-Assisted Therapy and its role within the treatment of psychiatric diagnoses.
2. Identify three reasons why Animal-Assisted Therapy is relevant to Occupational Therapy practice.
3. Describe current evidence related to Animal-Assisted Therapy for clients with psychiatric diagnoses.
4. Discuss the future clinical implications of the findings for Occupational Therapy.
5. Propose future areas of research regarding the use of Animal-Assisted Therapy.

**Clinical Question:** Is Animal-Assisted Therapy (AAT) an effective intervention for increasing quality of life in adults with psychiatric diagnoses?

#### Methods:

- Databases used: CINAHL, Ovid MEDLINE, PsycINFO & Google Scholar
- Search terms:
  - Population: adult, geriatric, dementia, psychiatric diagnoses, mental illness, Alzheimer's, depression, schizophrenia
  - Intervention: animal-assisted therapy/intervention/activity, pet therapy
  - Outcome: quality of life, social participation, health and wellness
- Inclusion Criteria: adults (18 years and older), published 1995-present, written in English, psychiatric diagnoses, peer reviewed, use of animal-assisted therapy, quality of life outcomes
- Exclusion criteria: hippotherapy, expert opinion without evidence from supported research, studies with outcome measures that only focus on behavioral changes
- 228 articles found in database search plus 6 additional articles from other sources. 216 articles excluded. Total of 13 articles included in final synthesis.

#### Results:

- Major themes identified in article synthesis were:
  - Overall quality of life (3 articles)
    - 1 study found an improvement in self-perceived quality of life, but the results were not significant (Moretti)
  - Social well-being (6 articles)
    - 5 studies found AAT resulted in a significantly positive increase in social well-being
    - Increased social interactions (Richeson, Barak), increased conversation skills (Virues-Ortega), and increased social contact with neighbors (Zimolag)
  - Physical/functional well-being (7 articles)
    - 1 study found a statistically significant increase in meaningful activities in the community (Zimolag)
    - 5 studies trended towards significance
  - Emotional well-being (7 articles)
    - 4 studies found AAT resulted in a statistically significant improvement in emotional well-being
    - Reduction of symptoms of depression and anxiety (Virues-Ortega, Moretti), increased feelings of self-efficacy (Berget), and improved psychological well-being as a result of enhanced community integration (Zimolag)
  - Improvement in behavioral and psychological symptoms of dementia (BPSD) (4 studies)
    - Increase in cooperation and a decrease in distortion/restlessness (Nordgren), and a decrease in observable agitated behaviors in individuals with dementia (Sellers, Richeson) including delusional concepts, aggressiveness, and agitation (Kanamori)
- Take Home Message: AAT appears to have the most significant positive effect on the *social* aspect of quality of life
  - OTs can use AAT to increase social participation of clients with psychiatric diagnoses
  - Positive effects on emotional well-being
    - OTs can have patients work with animals in order to increase feelings of self-confidence and self-efficacy
  - Decrease in BPSD
    - OTs can implement AAT in order to decrease incidence of delusional ideation, agitation, aggression etc.
- Implications for future research
  - Test AAT as an Occupational Therapy treatment (eg. randomized controlled trials)
  - Assess the effectiveness of AAT for individuals with dementia and the effect on BPSD
  - Assess potential in robotic AAT, which may be more acceptable in hospital settings due to concern for germs etc.
- Implications for Occupational Therapy
  - Opportunity for the development of a standard Occupational Therapy protocol or treatment approach based upon specific outcomes (social participation, functional/physical performance (ADLs, IADLs), emotional well-being)
  - Determine most appropriate outcome measures to assess results of AAT
    - In order to track progress, demonstrate effectiveness and predict outcomes

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