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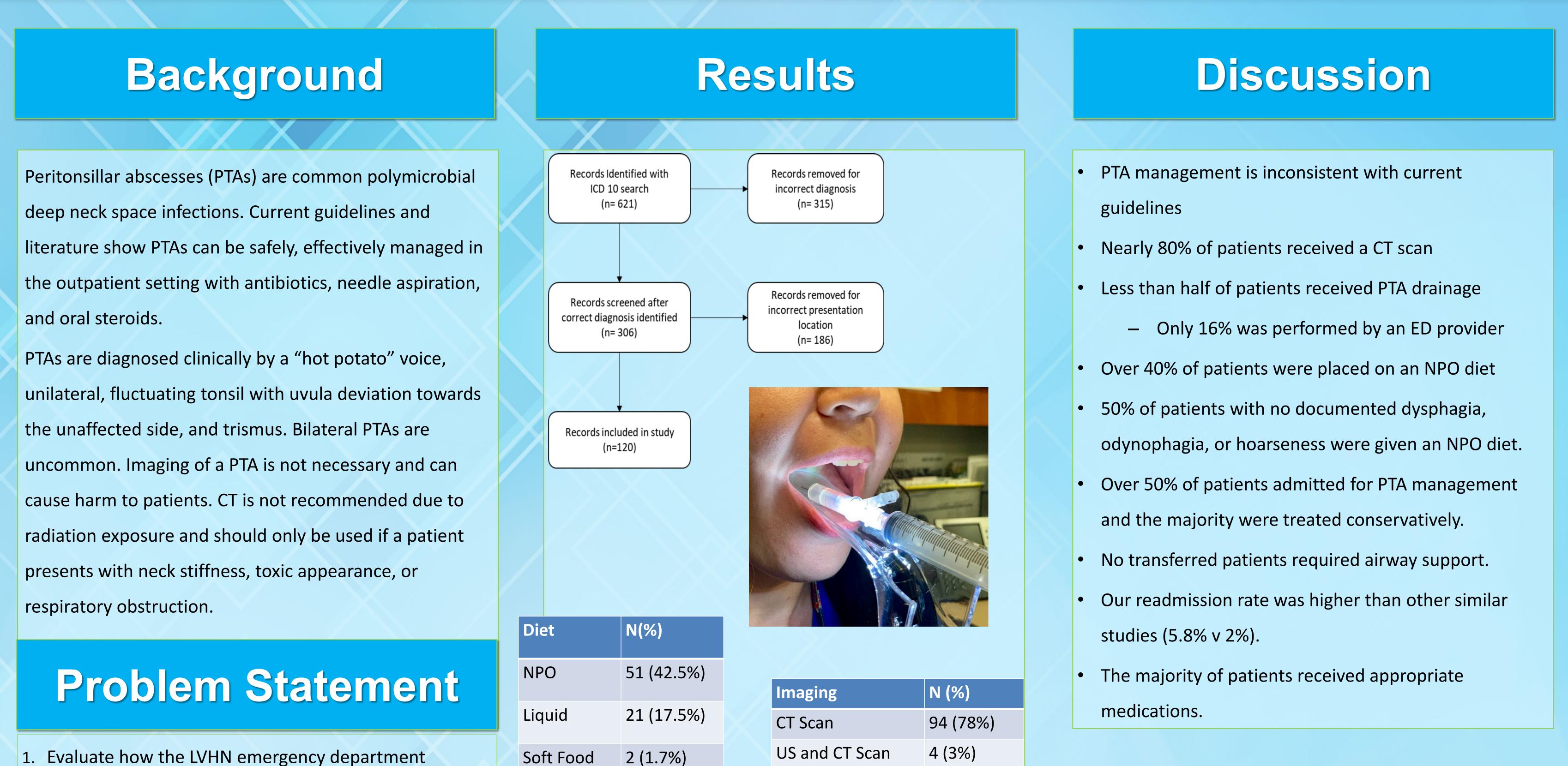
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Peritonsillar Abscess Management within LVHN Emergency **Departments: A Quality Analysis Study** 

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1. Evaluate how the LVHN emergency department

compared to generally accepted guidelines regarding

diagnosis and management of PTAs with respect to

attempted drainage, appropriate antimicrobial therapy,

and outpatient management.

- 2. Quality of patient care and costs associated with
  - imaging studies performed,
  - medications prescribed,
  - and level of care provided.

# Methods

Following IRB exemption, We performed a retrospective

chart review to identify patients with peritonsillar

abscesses in five LVHN EDs over a calendar year. Multiple

ICD codes were used to ensure all eligible patients were

| N 1     |            |
|---------|------------|
| Normal  | 15 (12.5%) |
| No Diet | 31 (25.8%) |
|         |            |

## 2 (2%) X-Ray 20 (17%) No Imaging

- 7 (5.8 %) patients were readmitted within 10 days of discharge
- 7/14(50%) patients with no documented dysphagia, odynophagia, or hoarseness were placed on a NPO diet,
  - 1(7%) was placed on a liquid diet,
  - 2(14%) were placed on a normal diet,
  - and 4(29%) did not have a diet ordered.
- 22 patients were transferred to Cedar Crest
  - 10 were placed in the ICU
  - 1 had an oxygen desaturation
  - None were intubated

Steroids Given

| Drainage Performed            | Ν        | (%)      |
|-------------------------------|----------|----------|
| ED Provider                   | 19 (16%) |          |
| ENT Provider                  | 25 (21%) |          |
| OR Drainage                   | 12 (10%) |          |
| ED and ENT Provider           | 1 (1%)   |          |
| ED Provider and OR            | 1 (1%)   |          |
| No Procedure                  | 62 (51%) |          |
|                               |          |          |
| Medications Given             |          | N (%)    |
| Penicillin Derivative         |          | 78 (65%) |
| Penicillin and additional ABX |          | 7 (6%)   |
| Clindamycin                   |          | 33 (28%) |
| No antibiotics                |          | 2 (1%)   |
|                               |          |          |

95 (79%)

LVHN has room for improvement with management of PTAs. Future recommendations should be inquiry into why needle aspiration is not commonly performed, limiting transfer of patients at Pocono, Schuylkill, and Hazelton to those requiring additional resources, and providing training to ED providers and residents. These implementations will lessen costs associated with PTA management and improve the quality of patient care. Patients will be more comfortable with primary drainage.

## REFERENCES

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included. Patients presenting to a location other than an

- in-network ED or less than 18 years old were excluded.
- Information pertaining to diagnostic tests, treatment, and
- airway status was also collected. Descriptive analysis with
- JASP was used to assess if EDs were consistent with

generally accepted guidelines.

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