

ASTRA PHARMACEUTICAL PRODUCTS

NEW YORK, N. Y.

RECEIVED
U. S. MARINE HOSPITAL
BALTIMORE 11, MARYLAND
SEP 7 1948

U. S. Marine Hospital
Baltimore 11, Maryland
September 7, 1948

Mr. Erik Bjaringer
Astra Pharmaceutical Products
444 Madison Ave.
New York, N. Y.

Dear Mr. Bjaringer:

Enclosed is a preliminary outline of our work with xylocaine -- Dr. Hingson told me last week that after a telephone conversation with you, you needed this information for Food and Drug.

We can use an additional supply of xylocaine 1% with epinephrine.

Yours truly

James L. Southworth
James L. Southworth

Xylocaine 1% - Epinephrine 1:100,000

**Outline of early experience -- Surgical Service
U. S. Marine Hospital, Baltimore, Md.**

| Procedure | No. cases | Number Effective | Number Ineffective | Toxic Reactions |
|----------------------------------|-----------|------------------|--------------------|-----------------|
| 1. Lumbar peridural anes. | | | | |
| a) Surgical | 3 | 3 | 0 | 0 |
| b) diagnostic | 2 | 2 | 0 | 1 ¹ |
| 2. Lumbar peridural contin. | | | | |
| a) Diagnostic | 4 | 4 | 0 | 0 |
| b) surgical | 2 | 2 | 0 | 0 |
| 3. Local anes. for minor surgery | 17 | 17 | 0 | 0 |
| 4. Nerve block | | | | |
| a) digital | 3 | 3 | 0 | 0 |
| b) radial-ulnar at elbow | 2 | 2 | 0 | 0 |
| c) median-ulnar at wrist | 3 | 3 | 0 | 0 |
| 5. Caudal block | | | | |
| a) surgical | 16 | 15 | 1 ² | 2 ³ |
| b) therap. | 4 | 4 | 0 | 0 |

1. nausea 2. technical error 3. BP fall-mild.

Xylocaine 4% in oil

| Procedure | number | Reactions | | | | |
|---------------------|--------|-----------|---|---|---|---|
| | | Grade 0 | 1 | 2 | 3 | 4 |
| Animal inoculations | 38 | 34 | 3 | 1 | 0 | 0 |

Comment: The severity of reactions to xylocaine has been mild. The incidence of reaction has been no greater than with procaine or metycaine. On basis of preliminary work the drug appears to be safe and effective.

James L. Southworth
James L. Southworth, MD F.A.C.S.

U. S. Marine Hospital
Baltimore 11, Maryland
September 7, 1948

Mr. Erik Bjaringer
Astra Pharmaceutical Products
644 Madison Ave.
New York, N. Y.

Dear Mr. Bjaringer:

Enclosed is a preliminary outline of our work with xylocaine -- Dr. Huggen told me last week that after a telephone conversation with you, you needed this information for Food and Drug.

We can use an additional supply of xylocaine 1% with epinephrine.

Yours truly

James L. Southworth

Xylocaine 1%-Epinephrine 1:100,000

Outline of early experience -- Surgical Service
U. S. Marine Hospital, Baltimore, Md.

| Procedure | No. cases | Number Effective | Number Ineffective | Toxic Reactions |
|----------------------------------|-----------|------------------|--------------------|-----------------|
| 1. Lumbar peri-dural anes. | | | | |
| a) Surgical | 3 | 3 | 0 | 0 |
| b) diagnostic | 2 | 2 | 0 | 1 ¹ |
| 2. Lumbar peri-dural contin. | | | | |
| a) Diagnostic | 4 | 4 | 0 | 0 |
| b) surgical | 2 | 2 | 0 | 0 |
| 3. Local anes. for minor surgery | 17 | 17 | 0 | 0 |
| 4. Nerve block | | | | |
| a) digital | 3 | 3 | 0 | 0 |
| b) radial-ulnar at elbow | 2 | 2 | 0 | 0 |
| c) median-ulnar at wrist | 3 | 3 | 0 | 0 |
| 5. Caudal block | | | | |
| a) surgical | 16 | 15 | 1 ² | 2 ³ |
| b) therap. | 4 | 4 | 0 | 0 |

1. nausea 2. technical error 3. BP fall-mild.

Xylocaine 4% in oil

| Procedure | number | Reactions | | | | |
|---------------------|--------|-----------|---|---|---|---|
| | | Grade 0 | 1 | 2 | 3 | 4 |
| Animal inoculations | 38 | 34 | 3 | 1 | 0 | 0 |

Comment: The severity of reactions to xylocaine has been mild. The incidence of reaction has been no greater than with procaine or metycaine. On basis of preliminary work the drug appears to be safe and effective.

James L. Southworth
James L. Southworth, MD F.A.C.S.