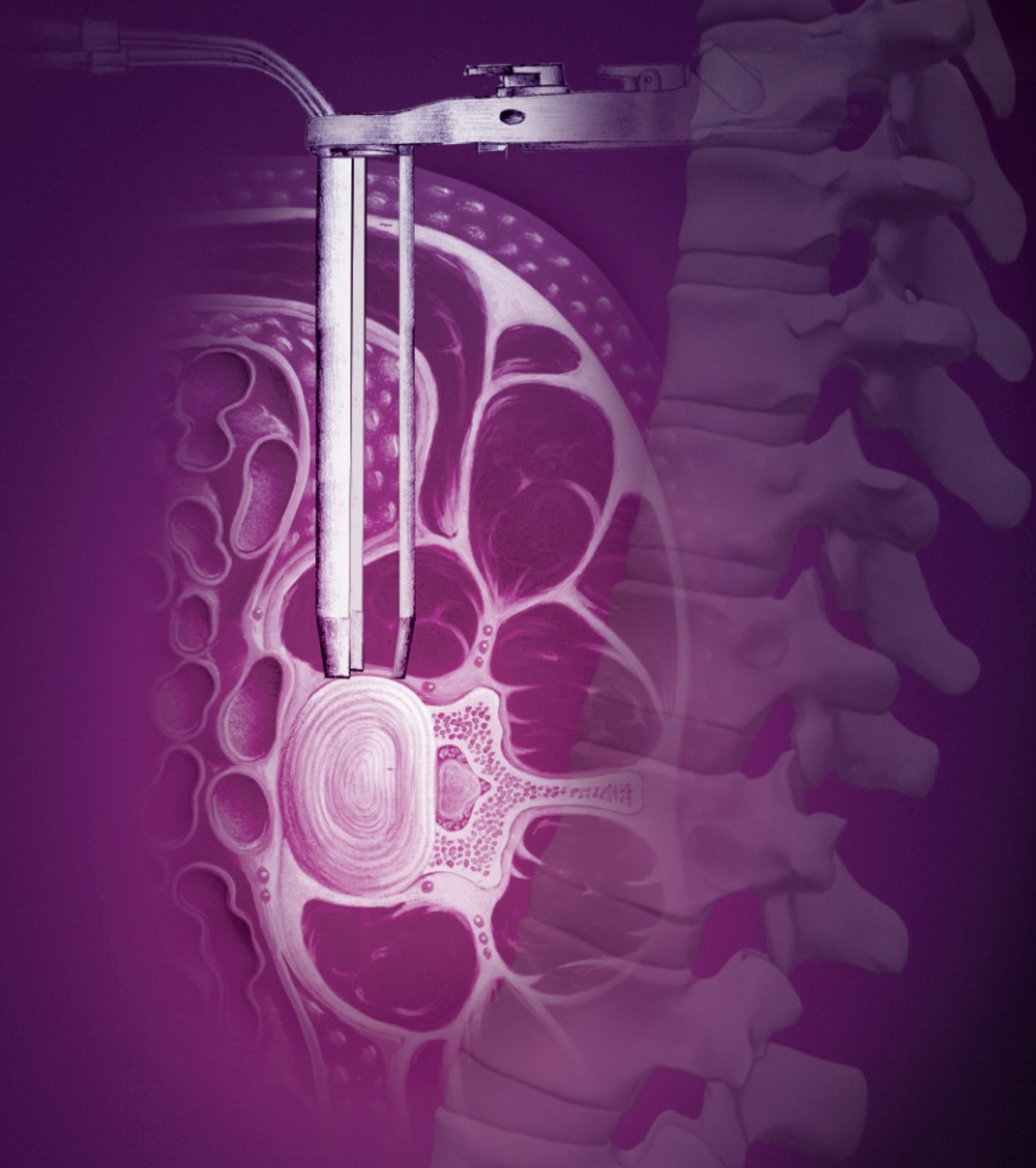




# XLIF™ 90°

S U R G I C A L T E C H N I Q U E





## CONTENTS

Preface

Instrument System

Access System

NeuroVision System

Presurgical Preparation

- Equipment Requirements
- Surgical Considerations

XLIF 90° Surgical Technique

- Patient Positioning & Operating Room Set-up
- Anatomic Landmark Identification & Initial Incisions
- Retroperitoneal Approach
- Transpsoas Approach
- Access
- Annulotomy & Disc Space Preparation
- Implant Insertion
- Closure
- Catalog



## PREFACE

### Luiz Pimenta, M.D.

Until now, widespread acceptance of minimally invasive techniques has evaded spine surgery. One reason for this is the inherent difficulties new technologies (endoscopes, optical trocars, CO<sub>2</sub>) typically introduce while attempting to achieve the same surgical objectives as conventional surgery. This becomes a major obstacle for surgeons when trying to adopt these techniques.

The MaXcess System provides maximum surgical access while minimizing the soft tissue disruption that often occurs during open surgery. The MaXcess System allows the surgical fundamentals of conventional surgical techniques while eliminating the unfamiliar surgical requirements of operating coaxially through tubular portals. Additionally, since there are no necessary adjunctive visualization tools (e.g. endoscope), The MaXcess System enables direct visualization of the patient's anatomy through conventional methods.

This guide describes the XLIF 90° technique that utilizes a direct lateral, retroperitoneal approach to access the intervertebral disc without muscular disruption or trauma to nearby structures.

As we strive to decrease patient morbidity, we should require that these new minimally invasive techniques do not undermine surgical fundamentals that have served us well.

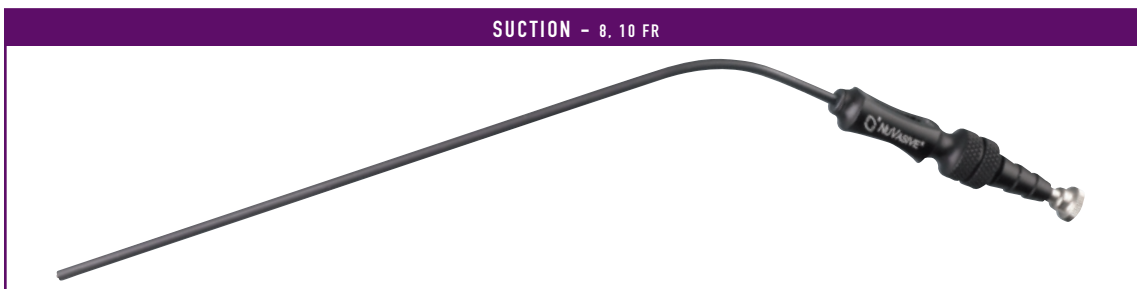
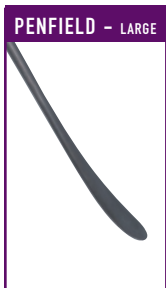
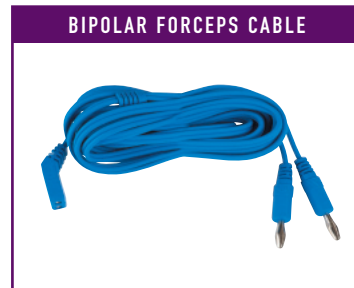
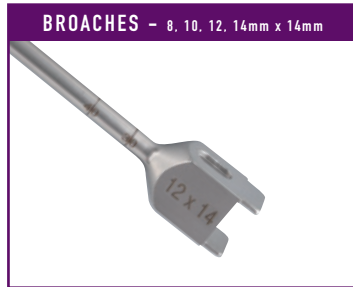
Obrigado,

A handwritten signature in blue ink, appearing to read "Luiz Pimenta".

Luiz Pimenta, M.D.  
Hospital Santa Rita  
São Paulo, Brazil

## INSTRUMENT SYSTEM

### XLIF 90° INSTRUMENT SYSTEM



## INSTRUMENT SYSTEM

### GENERAL INSTRUMENT TRAY





# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.