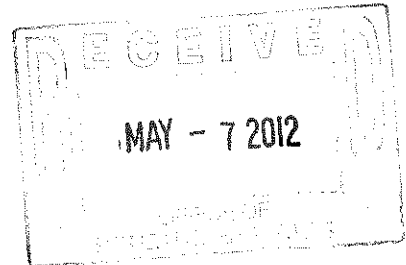




Hospital of Saint Raphael

April 30, 2012

Lisa Davis, MBA, BSN, RN  
Deputy Commissioner  
Office of Health Care Access  
Department of Public Health  
410 Capitol Avenue, MS#13HCA  
P. O. Box 340308  
Hartford, CT 06134



**Re: Certificate of Need Application  
Transfer of Saint Raphael Healthcare System's (DePaul Health Services Corporation)  
Ownership Interest in Saint Raphael Magnetic Resonance Imaging (SRMRC) to Yale-  
New Haven Hospital (YNHH)**

Dear Deputy Commissioner Davis:

At OHCA's direction, YNHH and the Saint Raphael Healthcare System (SRHS) respectively withdraw the MRI Appendix from Docket Number 12-31747-CON. Although part of the overall acquisition of the SRHS by YNHH, the MRI Appendix has been resubmitted as a separate CON application along with responses to three completeness questions as per OHCA's instructions.

Please find enclosed the original, four (4) hard copies and an electronic copy on CD of the Certificate of Need (CON) application for the proposed transfer of DePaul Health Services Corporation's ownership interest in the Saint Raphael Magnetic Resonance Imaging center to Yale-New Haven Hospital.

Thank you in advance for your consideration.

Sincerely,

YALE-NEW HAVEN HOSPITAL, INC.

HOSPITAL OF SAINT RAPHAEL

By:   
Name: Richard D'Aquila  
Title: President and Chief Operating Officer

By:   
Name: Christopher M. O'Connor  
Title: President and Chief Executive Officer

cc: Steven W. Lazarus, Associate Health Care Analyst, Office of Health Care Access  
Kimberly Martone, Director of Operations, Office of Health Care Access  
Marianne I. Horn, Legal Director, Office of Health Care Access  
William J. Aseltyne, General Counsel, Yale-New Haven Hospital, Inc.  
Janeanne Lubin-Szafranski, General Counsel, Hospital of Saint Raphael

Saint Raphael Magnetic Resonance Imaging  
Saint Raphael Healthcare System  
Yale-New Haven Hospital

Transfer of Saint Raphael Healthcare System  
(DePaul Health Services Corporation) Ownership  
Interest in SRMRC to Yale-New Haven Hospital

Certificate of Need Application

May 7, 2012

MAY - 7 2012

### Application Checklist

#### Instructions:

- 1. Please check each box below, as appropriate; and
- 2. The completed checklist *must* be submitted as the first page of the CON application.

- Attached is the CON application filing fee in the form of a certified, cashier or business check made out to the "Treasurer State of Connecticut" in the amount of \$500.

#### For OHCA Use Only:

Docket No.: 12-3175<sup>9</sup> CON Check No.: 1482873  
 OHCA Verified by: [Signature] Date: 5/7/12

- Attached is evidence demonstrating that public notice has been published in a suitable newspaper that relates to the location of the proposal, 3 days in a row, at least 20 days prior to the submission of the CON application to OHCA. (OHCA requests that the Applicant fax a courtesy copy to OHCA (860) 428-7053, at the time of the publication)
- Attached is a paginated hard copy of the CON application including a completed affidavit, signed and notarized by the appropriate individuals.
- Attached are completed Financial Attachments I and II.
- Submission includes one (1) original and four (4) hard copies with each set placed in 3-ring binders.

**Note:** A CON application may be filed with OHCA electronically through email, if the total number of pages submitted is 50 pages or less. In this case, the CON Application must be emailed to [ohca@ct.gov](mailto:ohca@ct.gov).

**Important:** For CON applications (less than 50 pages) filed electronically through email, the signed affidavit and the check in the amount of \$500 must be delivered to OHCA in hardcopy.

- The following have been submitted on a CD
  - 1. A scanned copy of each submission in its entirety, including all attachments in Adobe (.pdf) format.
  - 2. An electronic copy of the documents in MS Word and MS Excel as appropriate.

**Saint Raphael Magnetic Resonance Imaging (SRMRC)  
 Saint Raphael Healthcare System (DePaul Health Services Corporation)  
 Yale-New Haven Hospital (YNHH)**

**Certificate of Need Application  
 Transfer of Saint Raphael Healthcare System's (DePaul Health Services  
 Corporation) Ownership Interest in SRMRC to Yale-New Haven Hospital**

**Table of Contents**

	<b>Description</b>	<b>Page Number</b>
	CON Filing Fee	5-6
	Affidavits	7-10
	Public Notices	11-15
	CON Application	16-30
<b>Attachments</b>		
A	MRI Scans by Patient Town of Origin	31-33
B	CVs for Key Staff	34-82
C	ACR Certificates	83-85
D	SRMRC Internal Financial Statements	86-88
E	Financial Attachment I & Assumptions	89-90
F	SRMRC Charges	91-93

**CON FILING FEE**



No. 1482873

Cashier's Check

Notice to Purchaser: In the event this check is lost, misplaced, destroyed, or stolen, it is void and a replacement check should be negotiated within 90 days.

30-1/1140  
NTX

Banking Center  
YALE NEW HAVEN HOSPITAL

0021178 00003 0001482873

YALE NEW HAVEN HOSPITAL  
Reprinter (Purchased By)

Date: APRIL 26, 2012

\$ \*\*500.00\*\*

Pay: FIVE HUNDRED DOLLARS AND 00 CENTS

To: The Order Of

*Karen Mills*  
Authorized Signature

\*\*TREASURER, STATE OF CONNECTICUT\*\*  
\*\*TRANSFER OWNERSHIP IN SRHC TO YNH\*\*

Bank of America, N.A.  
San Antonio, Texas

VOID AFTER 90 DAYS

⑆ 1482873⑆ ⑆ 14000019⑆ 001641005545⑆

THE ORIGINAL DOCUMENT HAS REFLECTIVE WATERMARK ON THE BACK THE ORIGINAL DOCUMENT HAS REFLECTIVE WATERMARK ON THE BACK

**AFFIDAVITS**

### AFFIDAVIT

Applicant: Yale-New Haven Hospital

Project Title: Transfer of Saint Raphael Healthcare System (DePaul Health Services Corp.) Ownership Interest in SRMRC to Yale-New Haven Hospital

I, Richard D'Aquila President & Chief Operating Officer  
(Individual's Name) (Position Title – CEO or CFO)

of Yale-New Haven Hospital being duly sworn, depose and state that  
(Hospital or Facility Name)

Yale- New Haven Hospital's information submitted in this Certificate of  
(Hospital or Facility Name)

Need Application is accurate and correct to the best of my knowledge.

*Richard D'Aquila* 4/24/12  
Signature Date

Subscribed and sworn to before me on April 24, 2012

*Nancy T. St Pierre*

Notary Public/Commissioner of Superior Court

My commission expires: September 30, 2016



### AFFIDAVIT

Applicant: Saint Raphael Healthcare System (DePaul Health Services Corp.)

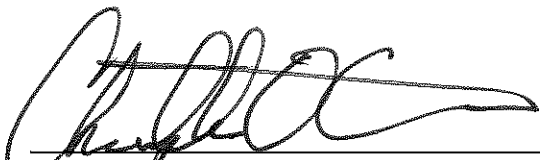
Project Title: Transfer of Saint Raphael Healthcare System (DePaul Health Services Corp.) Ownership Interest in SRMRC to Yale-New Haven Hospital

I, Christopher O'Connor Chief Executive Officer  
(Individual's Name) (Position Title – CEO or CFO)

of Saint Raphael Healthcare System and DePaul Health Services Corp.  
(Hospital or Facility Name)

being duly sworn, depose and state that  
Saint Raphael Healthcare System and DePaul Health Services Corp.'s information  
(Hospital or Facility Name)

submitted in this Certificate of Need Application is accurate and correct to the best of my knowledge.

  
\_\_\_\_\_  
Signature

5/4/12  
\_\_\_\_\_  
Date

Subscribed and sworn to before me on 5/4/12 \_\_\_\_\_

Matthew L. Schlager  
\_\_\_\_\_

Notary Public/Commissioner of Superior Court

My commission expires: My Commission Expires Aug. 31, 2014

### AFFIDAVIT

Applicant: Saint Raphael Magnetic Resonance Imaging (SRMRC)

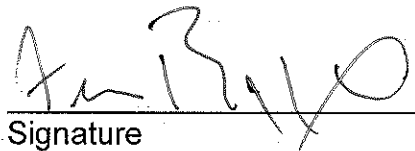
Project Title: Transfer of Saint Raphael Healthcare System (DePaul Health Services Corp.) Ownership Interest in SRMRC to Yale-New Haven Hospital

I, Zenon Protopapas, MD Medical Director  
(Individual's Name) (Position Title – CEO or CFO)

of SRMRC being duly sworn, depose and state that  
(Hospital or Facility Name)

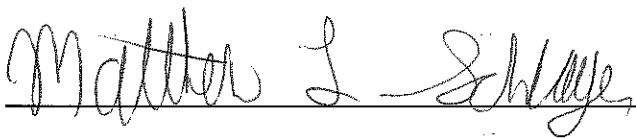
SRMRC's information submitted in this Certificate of  
(Hospital or Facility Name)

Need Application is accurate and correct to the best of my knowledge.

  
Signature

5-4-2012  
Date

Subscribed and sworn to before me on 5/4/12



Notary Public/Commissioner of Superior Court  
My Commission Expires Aug. 31, 2014

My commission expires: \_\_\_\_\_

**PUBLIC NOTICES**

# AFFIDAVIT OF PUBLICATION

## New Haven Register

STATE OF CONNECTICUT

County of New Haven

I Sylvia Quinn of New Haven, Connecticut, being duly sworn, do depose and say that I am a Sales Representative of the New Haven Register, and that on

the following date April 4, 5, 6, ..... to wit 2012.....

there was published in the regular daily edition of the said newspaper an

advertisement,

PUBLIC NOTICE	
Pursuant to section 19a-638 of Connecticut General Statutes, Saint Raphael Magnetic Resonance Imaging, will submit the following Certificate of Need application:	
Applicant(s):	Saint Raphael Magnetic Resonance Imaging (SRMRC)
Address:	930 Orchard Street
Town:	New Haven
	Transfer of Saint Raphael Healthcare System (DePaul Health Services) Ownership Interest in SRMRC to Yale-New Haven Hospital
Estimated Total Project Cost/Expenditure:	\$0

And that the new ..... ed from each of the

above-named issues of said newspaper.

Subscribed and sworn to this ..... day of ..... 20.....Before me.

\_\_\_\_\_

LEGALS

LEGALS

**PUBLIC NOTICE**

Pursuant to section 19a-638 of Connecticut General Statutes, Saint Raphael Magnetic Resonance Imaging, will submit the following Certificate of Need application:

Applicant(s): Saint Raphael Magnetic Resonance Imaging (SRMRC)  
Address: 330 Orchard Street  
Town: New Haven  
Transfer of Saint Raphael Healthcare System (DePaul Health Services) Ownership Interest in SRMRC to Yale-New Haven Hospital.

Estimated Total Project Cost/Expenditure: \$0

NEED A CAR? SHOP THE CLASSIFIEDS!

NEED A CAR? SHOP THE CLASSIFIEDS!

WOODBIDGE

WOODBIDGE

**NOTICE OF PUBLIC HEARING**

NOTICE IS HEREBY GIVEN that the Town of Woodbridge will conduct a public hearing on Wednesday, April 11, 2012 at 5:30 p.m. in the Town Hall Meeting Room located at 11 Meetinghouse Lane, Woodbridge, CT to discuss its Fiscal Year 2012 Community Development Block Grant Program Application and to solicit citizen input.

Maximum award limits include a total of \$500,000 per Fiscal Year for Public Facilities, \$500,000 per Fiscal Year for Public Housing Modernization, \$400,000 per Fiscal Year for Infrastructure (streets and sidewalks), \$300,000 for Economic Development, \$25,000 for Planning Only Grants, and \$300,000 per Fiscal Year for Housing Rehabilitation Program. A community is limited to (1) one application per funding round.

Major activity categories are: Acquisition, Housing-Rehabilitation, Public Housing Modernization, Community Facilities, Public Services, and Economic Development. Projects funded with CDBG allocations must carry out at least one of three National Objectives, as follows: benefit to low- and moderate-income persons, elimination of slums and blight, or meeting urgent community development needs.

The purpose of the public hearing is to obtain citizens' views on the Town's community development and housing needs and review and discuss specific project activities in the areas of housing, economic development or community facilities which could be a part of the Town's Application for funding.

The Town of Woodbridge anticipates applying for the maximum grant amount of \$300,000 under the Housing Rehabilitation category for a Town-Wide Housing Rehabilitation Program.

The public hearing will also give citizens an opportunity to make their comments known on the proposed project and for review and approval of the Program Income Reuse Plan. The Town will also discuss the status of its current CDBG projects. If you are unable to attend the public hearing, you may direct written comments to Mr. Edward Maum Sheehy, First Selectman, 11 Meetinghouse Lane, Woodbridge, CT, 06525 or you may telephone 203-389-3400. Additional information may be obtained at the above address between the hours of 8:30 a.m. - 4:30 p.m., weekdays.

All are encouraged to attend. The hearing is accessible to the handicapped. Any disabled persons requiring special assistance or non-English speaking persons should contact Mary Ellen LaRocca, ADA Coordinator at 203-389-3415 at least five days prior to the hearing.

The Town of Woodbridge promotes fair housing and makes all programs available to low- and moderate-income families regardless of age, race, color, religion, sex, national origin, sexual preference, marital status, or handicap.

Equal Opportunity/Affirmative Action

2483574

**CLEANING OUT YOUR ATTIC OR GARAGE? CALL 1-800-922-7066 TO ADVERTISE YOUR ARTICLES FOR SALE**

**CLEANING OUT YOUR ATTIC OR GARAGE? CALL 1-800-922-7066 TO ADVERTISE YOUR ARTICLES FOR SALE**

LEGALS

LEGALS

**NOTICE OF INTENT TO REQUEST RELEASE OF FUNDS AND FINDING OF NO SIGNIFICANT IMPACT**

645 GENERAL HELP WANTED

DRIVERS NEEDED

**Northeast Regional Fleet**

- Home Weekends
  - Start at up to .40 CPM
  - Great Benefits including Health, Vision, Dental and 401K
- Requires CDL-A and 3 months OTR experience

Don't miss out. Call today!

**888-808-6045**



www.usxnp.com

**Electrical Assembler/ Assistant Supervisor**

Exp with hand tools, mechanical aptitude. Must be well motivated, have good leadership skills, detail oriented and have clean record. Excellent full time position. Call Bob 203-878-7762.

**ELECTRICIANS - E2 license needed. \$35-\$50/hr DOE. Send resume & color copy of E2 lic to: Electrician, P.O. Box 7313, New Haven, CT 06519.**

**CLEANING OUT YOUR ATTIC OR GARAGE? CALL 1-800-922-7066 TO ADVERTISE YOUR ARTICLES FOR SALE**

**FOREC**

**FORECLOSURE AUCTION SALE LEGAL NOTICE**

Docket No. NNH-CV-10-6012276S  
Case Name: Four Beaches Condominium Association

vs. Jane R. Buescher et al.  
Property Address:

1 Mansfield Grove Road, #311 East Haven, CT 06512  
Property Type: RESIDENTIAL/ CONDOMINIUM

Date of Sale: April 14, 2012 at 12:00 noon on premises  
Committee Name Peter A. Treffers, Esq.

645

HVAC

Tech

dent

D2/S

need

Call 2

Lat

Male

Drive

grou

call 2

M

Must

mach

pneu

work

imme

ford

7762

MAIN

Need

nity,

main

have

tion.

time.

Fax

Mari

Fore

offer

ers

Appl

Milfo

LEGALS

CITY OF WEST HAVEN  
DEPARTMENT OF  
FINANCE  
355 MAIN STREET  
WEST HAVEN, CT 06516  
(203) 937-3620

INVITATION TO BID

NOTICE IS HEREBY  
GIVEN THAT SEALED  
BIDS ON THE FOLLOW-  
ING WILL BE RECEIVED  
AT THE DEPARTMENT OF  
FINANCE UNTIL 11:00

AT THE FOLLOWING TIME  
THEY WILL BE PUBLICLY  
OPENED AND READ

4/19/12

BID #2012-03

SEAWALL REPAIR AT  
BRADLEY POINT

PRE BID MEETING TO BE  
HELD ON 4/12/12 AT 10:00  
A.M. AT PROJECT SITE

THE CITY OF WEST  
HAVEN RESERVES THE  
RIGHT TO ACCEPT ANY  
OR ALL THE OPTIONS,  
BIDS OR PROPOSALS; TO  
WAIVE ANY TECHNICAL-  
ITY IN A BID OR PART  
THEREOF SUBMITTED,  
AND TO ACCEPT THE BID  
DEEMED TO BE IN THE  
BEST INTEREST OF THE  
CITY OF WEST HAVEN

CONTRACT DOCUMENTS  
MAYBE OBTAINED ON  
THE CITY'S WEB SITE  
[www.cityofwesthaven.com](http://www.cityofwesthaven.com)  
SECRETARY

LEGALS

CITY OF WEST HAVEN  
DEPARTMENT OF  
FINANCE  
355 MAIN STREET  
WEST HAVEN, CT 06516  
(203) 937-3620

INVITATION TO BID

NOTICE IS HEREBY  
GIVEN THAT SEALED  
BIDS ON THE FOLLOW-  
ING WILL BE RECEIVED  
AT THE DEPARTMENT OF  
FINANCE UNTIL 11:00

AT THE FOLLOWING TIME  
THEY WILL BE PUBLICLY  
OPENED AND READ

4/19/12

BID #2012-06

RESTORE SANITARY  
SEWER COVER AT

SOUTH STREET PARK  
PRE BID MEETING TO BE  
HELD ON 4/12/12 AT 10:00  
A.M. AT PROJECT SITE

THE CITY OF WEST  
HAVEN RESERVES THE  
RIGHT TO ACCEPT ANY  
OR ALL THE OPTIONS,  
BIDS OR PROPOSAL; TO  
WAIVE ANY TECHNICAL-  
ITY IN A BID OR PART  
THEREOF SUBMITTED,  
AND TO ACCEPT THE BID  
DEEMED TO BE IN THE  
BEST INTEREST OF THE  
CITY OF WEST HAVEN

CONTRACT DOCUMENTS  
MAYBE OBTAINED ON  
THE CITY'S WEB SITE  
[www.cityofwesthaven.com](http://www.cityofwesthaven.com)  
SECRETARY

LEGALS

CITY OF WEST HAVEN  
DEPARTMENT OF  
FINANCE  
355 MAIN STREET  
WEST HAVEN, CT 06516  
(203) 937-3620

INVITATION TO BID

NOTICE IS HEREBY  
GIVEN THAT SEALED  
BIDS ON THE FOLLOW-  
ING WILL BE RECEIVED  
AT THE DEPARTMENT OF  
FINANCE UNTIL 11:00

AT THE FOLLOWING TIME  
THEY WILL BE PUBLICLY  
OPENED AND READ

4/17/12

BID #2012-05

REPLACEMENT OF  
BEACH SAND AT  
PROSPECT BEACH

THE CITY OF WEST  
HAVEN RESERVES THE  
RIGHT TO ACCEPT ANY  
OR ALL THE OPTIONS,  
BIDS OR PROPOSALS; TO  
WAIVE ANY TECHNICAL-  
ITY IN A BID OR PART  
THEREOF SUBMITTED,  
AND TO ACCEPT THE BID  
DEEMED TO BE IN THE  
BEST INTEREST OF THE  
CITY OF WEST HAVEN

CONTRACT DOCUMENTS  
MAYBE OBTAINED ON  
THE CITY'S WEB SITE.  
[www.cityofwesthaven.com](http://www.cityofwesthaven.com)  
SECRETARY

PUBLIC NOTICE

Pursuant to section 19a-638 of Connecticut General Statutes,  
Saint Raphael Magnetic Resonance Imaging, will submit the  
following Certificate of Need application:

Applicant(s): Saint Raphael Magnetic Resonance  
Imaging (SRMRC)  
Address: 330 Orchard Street  
Town: New Haven  
Transfer of Saint Raphael Healthcare  
System (DePaul Health Services)  
Ownership Interest in SRMRC to  
Yale-New Haven Hospital

Estimated Total Project  
Cost/Expenditure: \$0

Request for Proposal  
Sale of 3 Hartford Properties

The Connecticut Housing Finance Authority (CHFA) in asso-  
ciation with the City of Hartford is seeking written proposals  
from parties who are interested in acquiring three adjacent  
properties in downtown Hartford as one package.

- Trumbull on the Park: 100 luxury apartments, street front retail, and 603 space parking garage
- 111 Pearl Street: vacant commercial building, 78,734 square feet of former office space
- 95 - 101 Pearl Street: vacant commercial building, 100,000 square feet of former office space

Deadline for submission: 5/1/12

CONNECTICUT LOTTERY  
CORPORATION  
NOTICE OF END  
OF INSTANT GAME

The Connecticut Lottery Corporation ("CLC"), a quasi-public state agency, hereby provides notice of the official ending date for the following Connecticut Lottery Instant Game:

Game # 1138  
Game Name  
Red Hot 5s DOUBLER  
End Date  
4/3/2012  
End Validation Date  
9/30/2012

Ticket sales for the game will be discontinued as of the End Date.

Winning tickets for the game must be claimed on or before the End Validation Date.

LEGAL NOTICE

A certified list(s) of party-selected candidates for the Democrat Party in the Town of Orange for participation

203  
777-3278

Call to place  
your ad  
today

**At  
Your  
Service**

A GUIDE TO LOCAL  
BUSINESSES & SERVICES

LANDSCAPING

**B&B**  
**LANDSCAPING**  
Spring Cleanup, Lawn  
cutting, Tree Removal  
& Chipping, Edging &  
Mulching, Fully Insured.  
25 yrs exp.  
**203-915-9597**

PROMOTE

**Promote  
Your Business!**  
(Over 800,000 Products)  
**LogoDistributor.com**  
**800.878.0832**  
**The #1 Source  
For All Your Promotional  
Product Needs!**

MASONRY

**PAULS MASONRY**  
Repair & New  
All Types of Masonry Work  
Stonewalls, Brickwalls,  
Bluestone, Steps,  
Fireplaces, Sidewalks  
Free Estimates  
**203-706-9281**  
Lic. #0624168/Insured

**To Place Your  
Ad in this  
Section Call  
Linda at  
203-789-5469**

PLUMBING

**DAVE MILLER PLUMBING**  
Licensed and Insured  
Free Estimates  
No job too big or too small  
15 Years Experience  
Lic. #PLM0285403-P1  
Dave 203-410-9323 cell  
203-468-5402 Office

POWERWASHING

**Powerwashing  
Now  
Made Affordable**  
Full House Washing or  
Spot Washing  
Fences & Decks  
**Olsen  
Powerwashing**  
Free Estimates- Fully Insured  
**203-272-2699**

LEGALS

**PUBLIC NOTICE**

Pursuant to section 19a-638 of Connecticut General Statutes, Saint Raphael Magnetic Resonance Imaging, will submit the following Certificate of Need application:

Applicant(s): Saint Raphael Magnetic Resonance Imaging (SRMRC)  
Address: 330 Orchard Street  
Town: New Haven  
Transfer of Saint Raphael Healthcare System (DePaul Health Services) Ownership Interest in SRMRC to Yale-New Haven Hospital

Estimated Total Project Cost/Expenditure: \$0

1-800-PACK-RAT (5012-MILFORD)

203-793-1805

**NOTICE OF SALE**

Tenant:	Unit #
Currie, Doug	358370
Davis, Joan	700744
Edwards, Dawn	800517
Edwards, Dawn	701919
O'Donoghue, Darcey	354315
O'Donoghue, Darcey	700736
Regina, Louis	354834
Simmons, Wayne	700713
Tortora, Carmen	356374

1-800-Pack-Rat (5012-Milford), 125 Old Gate Lane, Milford, CT 06460, has possessory lien on all of the goods stored in the units above. All these items of personal property are being

LEGALS

LEGALS

**NOTICE TO CREDITORS**

ESTATE OF:  
MARGARET H. KAMP

The Hon. Salvatore L. Di-glio, Judge of the Court of Probate, Hamden - Bethany Probate District, by decree dated March 21, 2012, ordered that all claims must be presented to the fiduciary at the address below. Failure to promptly present any such claim may result in the loss of rights to recover on such claim.

Valerie A. Dondi, Clerk

The fiduciary is:

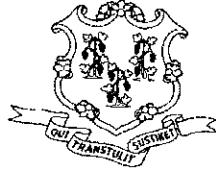
Frederick E. Kamp, Jr., 45 Eastland Road, Hamden, CT 06518  
Betsey Park c/o Joan C. Molloy, Esq., Loughlin Fitz-Gerald, 150 South Main Street, Wallingford, CT 06492

**Carpenters,  
Painters,  
Landscapers**

Place your ad in our Business

**CON APPLICATION**





**State of Connecticut  
Office of Health Care Access  
Certificate of Need Application**

**Instructions:** Please complete all sections of the Certificate of Need (“CON”) application. If any section or question is not relevant to your project, a response of “Not Applicable” may be deemed an acceptable answer. If there is more than one applicant, identify the name and all contact information for each applicant. OHCA will assign a Docket Number to the CON application once the application is received by OHCA.

**Docket Number:**

**Applicant:** Saint Raphael Magnetic Resonance Imaging (SRMRC)

**Contact Person:** Managing Partner, Medical Imaging Associates, P.C. (MIA)  
Zenon Protopapas, MD, President, MIA

**Contact Person’s Title:** President, Managing Partner of SRMRC  
Medical Director, SRMRC

**Contact Person’s Address:** 330 Orchard Street, Suite 10B  
New Haven, CT 06511

**Contact Person’s Phone Number:** (203) 789-4120

**Contact Person’s Fax Number:** (203) 789-5183

**Contact Person’s Email Address:**  
**Applicant:** ZProtopapas@srhs.org

**Applicant:** DePaul Health Services Corporation

**Contact Person:** Terrie Estes

**Contact Person’s Title:** Director of Planning and Business Development

**Contact Person's Address:** 1450 Chapel Street  
New Haven, CT 06511

**Contact Person's Phone Number:** (203) 789-4378

**Contact Person's Fax Number:** (203) 867-5665

**Contact Person's Email Address:** TBESTES@srhs.org

**Applicant:** Yale-New Haven Hospital

**Contact Person:** Jean Ahn

**Contact Person's Title:** System Director, Planning & Business Development

**Contact Person's Address:** 20 York Street (Howe 3)  
New Haven, CT 06504

**Contact Person's Phone Number:** (203) 688-2609

**Contact Person's Fax Number:** (203) 688-5013

**Contact Person's Email Address:** jean.ahn@ynhh.org

**Project Town:** New Haven

**Project Name:** Transfer of Saint Raphael Healthcare System, Inc. (DePaul Health Services Corporation's) Ownership Interest in SRMRC to Yale-New Haven Hospital

**Statute Reference:** Section 19a-638, C.G.S.

**Estimated Total Capital Expenditure:** \$0

**Project Description: Acquisition of Equipment**

- a. Please provide a narrative detailing the proposal.

**As part of the YNHH’s proposed acquisition of certain assets of the SRHS, YNHH would assume DePaul Health Services Corporation’s 50% ownership share in an existing MRI joint venture, the Saint Raphael Magnetic Resonance Center (“SRMRC”). This joint venture has been in existence since 1988 and is partnership between DePaul Health Services Corporation, a wholly-owned subsidiary of the Saint Raphael Healthcare System and Medical Imaging Associates, a subsidiary of New Haven Radiology Associates, P.C.**

**SRMRC operates two MRI scanners approved through Certificate of Need applications (DN: 87-1001, 98-1001, 99-1000, 02-562, 05-22933MDF). The scanners are located on the Hospital of Saint Raphael’s New Haven campus in the lower level of the Orchard Medical Building at 330 Orchard Street, Suite 10B, New Haven, CT.**

**The scanners provide MRI services to HSR’s inpatients, outpatients in the service area and a small number of HSR emergency department patients.**

- b. Provide letters that have been received in support of the proposal.

**Not applicable. Transfer of DePaul Health Services Corporation’s ownership share of SRMRC to YNHH is part of the entire acquisition of the SRHS as set forth in Docket Number 12-31747-CON.**

- c. Provide the Manufacturer, Model, Number of slices/tesla strength of the proposed scanner (as appropriate to each piece of equipment).

**Scanner 1: Siemens 3 Tesla Trio  
Scanner 2: Siemens 1.5 Tesla Symphony**

- d. List each of the Applicant’s sites and the imaging modalities and other services currently offered by location.

**SRHS and HSR offer the following imaging modalities by locations:**

<b>SRHS and HSR</b>	<b>Location</b>	<b>Modalities</b>
<b>SRMRC</b>	<b>330 Orchard Street, Suite 10B New Haven, CT 06511</b>	<b>MRI</b>
<b>HSR</b>	<b>1450 Chapel Street New Haven, CT 06511</b>	<b>Full service radiology services including: Bone Densitometry</b>

SRHS and HSR	Location	Modalities
		CT Interventional Radiology Mammography Nuclear Medicine PET-CT X-Ray Ultrasound
HSR	2800 Whitney Avenue Hamden, CT	Radiation Therapy and CT Simulation

## 2. Clear Public Need

- a. Explain why there is a clear public need for the proposed equipment. Provide evidence that demonstrates this need.

**Not applicable.** YNHH's acquisition of DePaul Health Service's ownership interest is a component of a larger SRHS and HSR acquisition by YNHH.

**SRMRC is a long-standing MRI provider, operating two scanners and performing more than 9,000 MRI scans annually. These scanners will continue to serve patients that seek care at the Saint Raphael campus and the greater New Haven community.**

- b. Provide the utilization of existing health care facilities and health care services in the Applicant's service area.

**Utilization data for other MRI providers is not publicly available information. The following MRI providers have been identified in the service area of SRMRC.**

Town	MRI Provider	Address
Branford	Radiology Associates	1208 Main Street
Cheshire	MidState Radiology Associates	680 S. Main Street
Derby	Griffin Hospital	130 Division Street
Guilford	RAM Radiology	1591 Boston Post Road
	Madison Radiology Imaging	705 Boston Post Road
	YNHH – Temple Radiology	111 Goose Lane
Hamden	Southern CT Imaging	2200 Whitney Avenue

Town	MRI Provider	Address
	Center d/b/a Whitney Imaging Center	
Meriden	MidState Medical Center	435 Lewis Avenue
Milford	Diagnostic Imaging of Milford	30 Commerce Park
	Milford Hospital	300 Seaside Avenue
New Haven	University Standing Open MRI of New Haven	216 Crown Street
	Yale University Health Services	150 Sargent Drive
	YNHH Temple Radiology	60 Temple Street
	YNHH – Main campus	20 York Street
Orange	Advanced Radiology Consultants	320 Boston Post Road
Shelton	Robert Russo, MD & Associates	25 Constitution Blvd.

**Note:** OHCA indicated by telephone that MRI volumes for YNHH were not required in this CON application as they are available to OHCA via the recent Imaging survey.

- c. Complete **Table 1** for each piece of equipment of the type proposed currently operated by the Applicant at each of the Applicant's sites.

**Table 1: Existing Equipment Operated by the Applicant**

Provider Name Street Address Town, Zip Code	Description of Service *	Hours/Days of Operation **	Utilization ***
SRMRC 330 Orchard Street New Haven, CT	MRI Scanning 1 - 3T Scanner 1 - 1.5T Scanner	Monday through Friday: 6:30am – 10:30 pm Saturday: 7am – 3pm	9,127 scans (FY 2011)

\* Include equipment strength (e.g. slices, tesla strength), whether the unit is open or closed (for MRI)

\*\* Days of the week unit is operational, and start and end time for each day; and

\*\*\* Number of scans/exams performed on each unit for the most recent 12-month period (identify period).

- d. Provide the following regarding the proposal's location:
- i. The rationale for locating the proposed equipment at the proposed site;

**The two MRI scanners are currently located at 330 Orchard Street in New Haven, CT and will continue operation in the same location. It is planned that they will continue to serve the patient population that seeks care at the Saint Raphael campus and the greater New Haven community.**

- ii. The population to be served, including specific evidence such as incidence, prevalence, or other demographic data that demonstrates need;

**The population to be served includes residents of the service area that require MRI imaging either as inpatients, outpatients or emergency department patients.**

- iii. How and where the proposed patient population is currently being served;

**The proposed patient population is currently being served by SRMRC and that is expected to continue.**

- iv. All existing providers (name, address) of the proposed service in the towns listed above and in nearby towns;

**See response to question 3 b.**

- v. The effect of the proposal on existing providers; and

**There is no effect anticipated on existing providers in the service area as this proposal represents only a change of one of two partners in an existing MRI service and has an established patient base.**

- vi. If the proposal involves a new site of service, identify the service area towns and the basis for their selection.

**Not applicable. No new site of service is proposed.**

- e. Explain why the proposal will not result in an unnecessary duplication of existing or approved health care services.

**Not applicable. This proposal represents only a change of one of two partners in an existing MRI service. No additional equipment is proposed.**

### **3. Actual and Projected Volume**

- a. Complete the following tables for the past three fiscal years ("FY"), current fiscal year ("CFY"), and first three projected FYs of the proposal, for each of the Applicant's existing and proposed pieces of equipment (of the type proposed, at the proposed location only). In Table 2a, report the units of service by piece of

equipment, and in Table 2b, report the units of service by type of exam (e.g. if specializing in orthopedic, neurosurgery, or if there are scans that can be performed on the proposed scanner that the Applicant is unable to perform on its existing scanners).

**Table 2a: Historical, Current, and Projected Volume, by Equipment Unit**

	Actual Volume (Last 3 Completed FYs)			CFY Volume*	Projected Volume (First 3 Full Operational FYs)**		
	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
MRI Scans (1)							
Inpatient	2,112	2,133	2,114	2,124	2,354	2,473	2,623
Outpatient	7,853	7,257	7,008	7,089	7,160	7,303	7,522
<b>Total</b>	<b>9,965</b>	<b>9,390</b>	<b>9,122</b>	<b>9,213</b>	<b>9,514</b>	<b>9,776</b>	<b>10,145</b>

(1) Scan volume is not tracked by scanner. Volumes include both scanners.

\*FY 2012 volume annualized based on first quarter actual.

\* For periods greater than 6 months, report annualized volume, identifying the number of actual months covered and the method of annualizing. For periods less than six months, report actual volume and identify the period covered.

\*\* If the first year of the proposal is only a partial year, provide the first partial year and then the first three full FYs. Add columns as necessary.

\*\*\* Identify each scanner separately and add lines as necessary. Also break out inpatient/outpatient/ED volumes if applicable. Inpatient and Outpatient volume has been provided. ED volume is not tracked specifically.

\*\*\*\* Fill in years. In a footnote, identify the period covered by the Applicant's FY (e.g. July 1-June 30, calendar year, etc.).

**Table 2b: Historical, Current, and Projected Volume, by Type of Scan/Exam**

	Actual Volume (Last 3 Completed FYs)			CFY Volume*	Projected Volume (First 3 Full Operational FYs)**		
	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Service type***							
Body	2,747	2,583	2,489	2,487	2,569	2,640	2,739
Neuro	7,218	6,807	6,633	6,725	6,945	7,137	7,406
<b>Total</b>	<b>9,965</b>	<b>9,390</b>	<b>9,122</b>	<b>9,212</b>	<b>9,514</b>	<b>9,776</b>	<b>10,145</b>

\* For periods greater than 6 months, report annualized volume, identifying the number of actual months covered and the method of annualizing. For periods less than six months, report actual volume and identify the period covered.

\*\* If the first year of the proposal is only a partial year, provide the first partial year and then the first three full FYs. Add columns as necessary.

\*\*\* Identify each type of scan/exam (e.g. orthopedic, neurosurgery or if there are scans/exams that can be performed on the proposed piece of equipment that the Applicant is unable to perform on its existing equipment) and add lines as necessary.

\*\*\*\* Fill in years. In a footnote, identify the period covered by the Applicant's FY (e.g. July 1-June 30, calendar year, etc.).

- b. Provide a breakdown, by town, of the volumes provided in Table 2a for the most recently completed full FY.

**Included as Attachment A is a listing of MRI scans by patient town of origin for FY 2011.**

- c. Describe existing referral patterns in the area to be served by the proposal.

**As previously stated, SRMRC is an established MRI provider in Greater New Haven and has an existing referring physician base representing the majority of medical specialties.**

- d. Explain how the existing referral patterns will be affected by the proposal.

**Existing referral patterns are expected to continue following any acquisition by YNHH of DePaul Health Services ownership interest in SRMRC.**

- e. Explain any increases and/or decreases in volume seen in the tables above.

**Historical volumes between FY 2009 and FY 2011 have declined slightly. This decline is assumed to be related to the challenges faced by the Hospital of Saint Raphael as described more fully in the main CON application. Despite the small decline during the past couple of years, each scanner is performing more than 4,500 scans and remains highly utilized. A breast radiologist and a full time marketing staff person have recently been added and their roles are expected to increase outpatient volumes.**

- i. Provide a detailed explanation of all assumptions used in the derivation/ calculation of the projected volume by scanner and scan type.

**Projected volumes were developed based on the following assumptions:**

- **Outpatient scan volume is projected to increase slightly due to the addition of a marketing staff role and a breast radiologist. Projected increases are listed below:**
  - **FY 2012: Annualized first quarter actual**
  - **FY 2013: 1% growth**
  - **FY 2014: 2% growth**
  - **FY 2015: 3% growth**
- **Inpatient scan volume is projected to increase in proportion to an expected increase in the average daily inpatient census (ADC) at the Saint Raphael campus following the acquisition by YNHH. Projected FY 2012 inpatient scan volume is based on first quarter actual annualized. The ADC is projected to increase by 40 in FY 2013, 60 in FY 2014 and 85 in FY 2015. The ratio of inpatient MRI to ADC was determined for FY 2011 and applied to the**



**projected increase in ADC to project incremental inpatient MRI scans.**

- f. Provide a copy of any articles, studies, or reports that support the need to acquire the proposed scanner, along with a brief explanation regarding the relevance of the selected articles.

**Not applicable. This proposal is not related to the addition or introduction of any new technology.**

#### **4. Quality Measures**

- a. Submit a list of all key professional, administrative, clinical, and direct service personnel related to the proposal. Attach a copy of their Curriculum Vitae.

**Key professional, administrative and clinical personnel related to SRMRC include:**

**Copies of CV's have been included in Attachment B.**

- b. Explain how the proposal contributes to the quality of health care delivery in the region.

**SRMRC has been a high quality provider of MRI services in the region. The MRI scanners are accredited by the American College of Radiology. Copies of SRMRC's ACR certificates have been included in Attachment C.**

#### **5. Organizational and Financial Information**

- a. Identify the Applicant's ownership type(s) (e.g. Corporation, PC, LLC, etc.).

**SRMRC is a partnership.**

- b. Does the Applicant have non-profit status?  
 Yes (Provide documentation)  No

- c. Provide a copy of the State of Connecticut, Department of Public Health license(s) currently held by the Applicant and indicate any additional licensure categories being sought in relation to the proposal.

**Not applicable. DPH does not license MRI providers.**

- d. Financial Statements

- i. If the Applicant is a Connecticut hospital: Pursuant to Section 19a-644, C.G.S., each hospital licensed by the Department of Public Health is required to file with OHCA copies of the hospital's audited financial statements. If the hospital has filed its most recently completed fiscal year audited financial statements, the hospital may reference that filing for this proposal.
- ii. If the Applicant is not a Connecticut hospital (other health care facilities): Audited financial statements for the most recently completed fiscal year. If audited financial statements do not exist, in lieu of audited financial statements, provide other financial documentation (e.g. unaudited balance sheet, statement of operations, tax return, or other set of books.)

**SRMRC does not have audited financial statements. A copy of SRMRC's most recent internal financial statements is included as Attachment D.**

- e. Submit a final version of all capital expenditures/costs as follows:

**Table 3: Proposed Capital Expenditures/Costs**

Medical Equipment Purchase	\$
Imaging Equipment Purchase	
Non-Medical Equipment Purchase	
Land/Building Purchase *	
Construction/Renovation **	
Other Non-Construction (Specify)	
<b>Total Capital Expenditure (TCE)</b>	
Medical Equipment Lease (Fair Market Value) ***	\$
Imaging Equipment Lease (Fair Market Value) ***	
Non-Medical Equipment Lease (Fair Market Value) ***	
Fair Market Value of Space ***	
<b>Total Capital Cost (TCC)</b>	<b>\$</b>
<b>Total Project Cost (TCE + TCC)</b>	
Capitalized Financing Costs (Informational Purpose Only)	
<b>Total Capital Expenditure with Cap. Fin. Costs</b>	<b>\$</b>

\* If the proposal involves a land/building purchase, attach a real estate property appraisal including the amount; the useful life of the building; and a schedule of depreciation.

\*\* If the proposal involves construction/renovations, attach a description of the proposed building work, including the gross square feet; existing and proposed floor plans; commencement date for the construction/ renovation; completion date of the construction/renovation; and commencement of operations date.

\*\*\* If the proposal involves a capital or operating equipment lease and/or purchase, attach a vendor quote or invoice; schedule of depreciation; useful life of the equipment; and anticipated residual value at the end of the lease or loan term.

- f. List all funding or financing sources for the proposal and the dollar amount of each. Provide applicable details such as interest rate; term; monthly payment; pledges and funds received to date; letter of interest or approval from a lending institution.

**Financing for the proposed MRI acquisition is part of an overall financing plan for the acquisition of SRHS and HSR and is planned to include tax exempt finance where appropriate with the difference being financed with taxable financing.**

- g. Demonstrate how this proposal will affect the financial strength of the state's health care system.

**The proposed acquisition by YNHH of DePaul Health Services' ownership interest in SRMRC is part of an overall acquisition of the SRHS and HSR by YNHH. This proposal will preserve access to critically needed MRI services in the greater New Haven community and will strengthen the financial health of SRMRC which in turn strengthens the financial health of the State's health care system.**

#### 6. Patient Population Mix: Current and Projected

- a. Provide the current and projected patient population mix (based on the number of patients, not based on revenue) with the CON proposal for the proposed program.

**Table 4: Patient Population Mix**

	Current** FY 2012	Year 1 FY 2013	Year 2 FY 2014	Year 3 FY 2015
Medicare*	26%	26%	26%	26%
Medicaid*	9%	9%	9%	9%
CHAMPUS & TriCare	1%	1%	1%	1%
<b>Total Government</b>	<b>36%</b>	<b>36%</b>	<b>36%</b>	<b>36%</b>
Commercial Insurers*	58%	58%	58%	58%
Uninsured	1%	1%	1%	1%
Workers Compensation	5%	5%	5%	5%
<b>Total Non-Government</b>	<b>64%</b>	<b>64%</b>	<b>64%</b>	<b>64%</b>
<b>Total Payer Mix</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

\* Includes managed care activity.

\*\* New programs may leave the "current" column blank.

\*\*\* Fill in years. Ensure the period covered by this table corresponds to the period covered in the projections provided.

- b. Provide the basis for/assumptions used to project the patient population mix.

**Payer mix is based on the number of scans by patient's type of payer. No changes in payer mix are projected.**

#### 7. Financial Attachments I & II

- a. Provide a summary of revenue, expense, and volume statistics, without the CON project, incremental to the CON project, and with the CON project. **Complete Financial Attachment I.** (Note that the actual results for the fiscal year reported in the first column must agree with the Applicant's audited financial statements.) The projections must include the first three full fiscal years of the project.

**Financial Attachment I has been provided in Attachment E.**

- b. Provide a three year projection of incremental revenue, expense, and volume statistics attributable to the proposal by payer. **Complete Financial Attachment II.** The projections must include the first three full fiscal years of the project.

**YNHH and SRHS/HSR cannot share managed care rate information and therefore Financial Attachment II has not been provided.**

- c. Provide the assumptions utilized in developing **both Financial Attachments I and II** (e.g., full-time equivalents, volume statistics, other expenses, revenue and expense % increases, project commencement of operation date, etc.).

**Assumptions utilized in Financial Attachment I are also included in Attachment E.**

- d. Provide documentation or the basis to support the proposed rates for each of the FYs as reported in Financial Attachment II. Provide a copy of the rate schedule for the proposed service(s).

**A copy of SRMRC's charges has been included in Attachment F.**

- e. Provide the minimum number of units required to show an incremental gain from operations for each fiscal year.

**Not applicable. There are no incremental losses from the proposal.**

- f. Explain any projected incremental losses from operations contained in the financial projections that result from the implementation and operation of the CON proposal.

**Not applicable. There are no incremental losses from the proposal.**

- g. Describe how this proposal is cost effective.

**As previously noted, this proposal is a part of a larger acquisition of SRHS/HSR by YNHH. Please refer to the response to this question in the main CON application.**

**Saint Raphael Magnetic Resonance Imaging Center  
Yale-New Haven Hospital  
Saint Raphael Healthcare System (DePaul Health Services Corporation)**

**Completeness Question Responses**

33. On page 45, applicants state that specific capital costs for HSR's assets equal \$147,879,000. Please provide information on how much of the remaining \$12,021,000 in capital expense is being allocated to the purchase of DePaul Health Services Corporation Inc.'s ownership interest in the Saint Raphael Magnetic Resonance Center (SRMRC).

**Response**

**A valuation of SRMRC has not yet been conducted. The only capital amount available at this time represents DePaul's book value of its ownership interest in SRMRC of \$2,182,000 based on its 9/30/11 Balance Sheet.**

41. On page 246, applicants state that inpatient "scan volume is projected to increase in proportion to an expected increase in the average daily census (ADC) at the Saint Raphael campus following the acquisition by YNHH ... ADC is projected to increase by 40 in FY 2012, 60 in FY 2014 and 85 in FY 2015." Yet, at page 236 of the CON Application, no increase in HSR utilization is assumed. Please explain this apparent discrepancy.

**Response**

**The increase in average daily census at the Saint Raphael campus assumes YNHH's acquisition of Saint Raphael and therefore increased utilization of the inpatient beds on the Saint Raphael campus. As addressed in Docket 12-31745-CON and Docket 12-31747-CON, by 2013, YNHH plans to utilize 499 beds at the Saint Raphael campus. In FY 2011, Saint Raphael's average daily census was 333. Following YNHH's acquisition of Saint Raphael's the average daily census at the Saint Raphael campus is expected to ultimately increase by approximately 82 patients. Since clinical integration planning is still underway and will not be complete until after the transaction closes, this is a rough estimate and is subject to change. In order to provide OHCA with projected inpatient MRI scans at the HSR campus, an increase to the HSR campus census of 40, 60 and 85 was projected for FY 2013, FY 2014 and FY 2015, respectively.**

**The addition of HSR's volume to YNHH's projected volume was based on historical volumes levels at HSR which were assumed to stay at that level and correspond to the reference on page 236 of the CON. However, as described in the paragraph above, the projected average daily census at the Saint Raphael campus will increase following YNHH's acquisition of Saint Raphael.**

42. Will there be any change in the radiologists who provide professional services interpreting the SRMRC MRI scans as a result of YNNH's acquisition of HSR?

**Response**

**SRMRC plans to renew the contract with Medical Imaging Associates, PC (MIA) for a period of one year after the Closing. No assurances have been given to MIA that SRMRC will renew the radiology services contract after expiration of this one year period. MIA provides radiology services to the patients of SRMRC through a contract with New Haven Radiology Associates P.C., an affiliate of MIA.**

**ATTACHMENT A**  
**MRI SCANS BY PATIENT TOWN OF ORIGIN**  
**FY 2011**

SRMRC  
 FY 2011  
 Outpatients by Town of Origin

<u>TOWN</u>	<u>ZIP CODES</u>	<u>Volume</u>	<u>% Total</u>
NEW HAVEN	06511	2383	34%
WEST HAVEN	06516	640	9%
EAST HAVEN	06512	395	6%
NEW HAVEN	06513	290	4%
HAMDEN	06514	269	4%
NORTH HAVEN	06473	223	3%
BRANFORD	06405	214	3%
WALLINGFORD	06492	210	3%
NEW HAVEN	06515	176	3%
MILFORD	06460	168	2%
ORANGE	06477	164	2%
HAMDEN	06518	144	2%
HAMDEN	06517	129	2%
CHESHIRE	06410	100	1%
NEW HAVEN	06519	96	1%
GUILFORD	06437	95	1%
WOODBIDGE	06525	93	1%
NORTH BRANFORD	06471	77	1%
MADISON	06443	70	1%
NORTHFORD	06472	64	1%
MERIDEN	06450	56	1%
HUNTINGTON	06484	50	1%
BETHANY	06524	44	1%
SEYMOUR	06483	38	1%
ANSONIA	06401	36	1%
DERBY	06418	31	0%
MILFORD	06461	30	0%
OXFORD	06478	30	0%
MERIDEN	06451	29	0%
SOUTHINGTON	06489	28	0%
MIDDLETOWN	06457	26	0%
NAUGATUCK	06770	26	0%
CLINTON	06413	24	0%
PROSPECT	06712	22	0%
STRATFORD	06614	18	0%
DURHAM	06422	15	0%
TRUMBULL	06611	15	0%
WESTBROOK	06498	13	0%
BRIDGEPORT	06606	13	0%
WATERBURY	06475	12	0%
		0	
< 17 PER ZIP CODE		454	6%
<b>TOTAL</b>		<b>7008</b>	<b>100%</b>



SRMRC  
 FY 2011  
 Inpatients by Town of Origin

<u>TOWN</u>	<u>ZIP CODES</u>	<u>Volume</u>	<u>% Total</u>
NEW HAVEN	06511	480	23%
WEST HAVEN	06516	197	9%
EAST HAVEN	06512	128	6%
NORTH HAVEN	06473	98	5%
HAMDEN	06514	90	4%
NEW HAVEN	06513	88	4%
BRANFORD	06405	84	4%
WALLINGFORD	06492	79	4%
MILFORD	06460	64	3%
ORANGE	06477	59	3%
NEW HAVEN	06515	53	3%
HAMDEN	06518	49	2%
HAMDEN	06517	45	2%
GUILFORD	06437	40	2%
CHESHIRE	06410	39	2%
WOODBIDGE	06525	35	2%
NORTH BRANFORD	06471	29	1%
NEW HAVEN	06519	28	1%
MADISON	06443	26	1%
MERIDEN	06450	22	1%
NORTHFORD	06472	22	1%
HUNTINGTON	06484	17	1%
BETHANY	06524	15	1%
SEYMOUR	06483	15	1%
DERBY	06418	15	1%
ANSONIA	06401	13	1%
MERIDEN	06451	12	1%
CLINTON	06413	11	1%
OXFORD	06478	10	0%
MIDDLETOWN	06457	9	0%
MILFORD	06461	8	0%
NAUGATUCK	06770	8	0%
SOUTHINGTON	06489	7	0%
STRATFORD	06614	7	0%
KILLINGWORTH	06419	7	0%
TRUMBULL	06611	6	0%
WESTBROOK	06498	6	0%
OLD SAYBROOK	06475	5	0%
PROSPECT	06712	5	0%
DURHAM	06422	5	0%
< 5 PER ZIP CODE		176	8%
TOTAL		2114	100%

**ATTACHMENT B**  
**CURRICULUM VITAE FOR KEY STAFF**

**Name:** Zenon Protopapas, M.D.

Date: January 30, 2012

**Born:** August 26, 1959. Nicosia Cyprus.

**Education:**

Medical Degree      1980-86      Albert-Ludwigs University, Freiburg, Germany  
(Magna Cum Laude)  
German Academic Exchange Service Scholarship

**Career:**

1986-87      Research Associate, Department of Biochemistry, Tufts University  
School of Medicine, Boston, MA

1987-90      Internal Medicine, Waterbury Hospital, Waterbury, CT

1990-94      Radiology Residency, Hospital of St. Raphael, New Haven, CT

1993-94      Chief Resident

1/95 - 1997      Assistant Professor, Department of Diagnostic Radiology,  
University of Maryland School of Medicine, Baltimore, MD

1997 – present      Attending, Department of Radiology, Hospital of St Raphael, New  
Haven, CT.

2008 – present      Medical Director, Saint Raphael Magnetic Resonance Center

2008 – present      President Medical Imaging Associates

2003      Assistant Clinical Professor of Radiology, Yale School of  
Medicine.

**Board Certification:**

1990      American Board of Internal Medicine  
1994      American Board of Radiology

**Professional Honors:**

2006 American Roentgen Ray Society Scientific Exhibit Award: Bronze Medal.  
MR Imaging of Cardiomyopathies; Can we tell them apart?

2005 American Roentgen Ray Society Scientific Exhibit Award: Certificate of Merit.  
Standard Cardiac MR Imaging Planes and Normal Cardiac Anatomy:  
All you wanted to know and were afraid to ask.

1996 Radiological Society of North America Scientific Award: Certificate of Merit.

Cross sectional anatomy of the pericardial recesses.

**Bibliography:**

**Original Papers:**

1. Reiner B. Siegel E. Protopapas Z. Hooper F. Ghebrekidan H. Scanlon M. Impact of filmless radiology on frequency of clinician consultations with radiologists. *American Journal of Roentgenology*. 173(5):1169-72, 1999.
2. Reiner BI. Siegel EL. Hooper F. Protopapas Z. Impact of filmless imaging on the frequency of clinician review of radiology images. *Journal of Digital Imaging*. 11(3 Suppl 1):149-50, 1998.
3. Rozenshtein A. White CS. Austin JH. Romney BM. Protopapas Z. Krasna MJ. Incidental lung carcinoma detected at CT in patients selected for lung volume reduction surgery to treat severe pulmonary emphysema. *Radiology*. 207(2):487-90, 1998
4. Reiner B. Siegel E. Hooper F. Ghebrekidan H. Warner J. Briscoe B. Protopapas Z. Pomerantz S. Variation of monitor luminance on radiologist productivity in the interpretation of skeletal radiographs using a picture archiving and communication system. *Journal of Digital Imaging*. 10(3 Suppl 1):176, 1997
5. Reiner B. Siegel E. Hooper F. Ghebrekidan H. Warner J. Briscoe B. Protopapas Z. Pomerantz S. Effect of screen monitor number on radiologist productivity in the interpretation of portable chest radiographs using a picture archiving and communication system. *Journal of Digital Imaging*. 10(3 Suppl 1):175, 1997.
6. Protopapas Z. Siegel EL. Scanlon M. Mazan W. Reiner BI. Ghabrekidan H. Warner J. Pomerantz SM. Gitlin JN. Experience with comparative picture archiving and communication system baseline data collection at four Veterans Affairs Medical Centers: methodology, lessons learned, and suggestions for improvement. *Journal of Digital Imaging*. 10(3 Suppl 1):161-4, 1997.
7. Siegel EL. Protopapas Z. Reiner BI. Pomerantz SM. Patterns of utilization of computer workstations in a filmless environment and implications for current and future picture archiving and communication systems. *Journal of Digital Imaging*. 10(3 Suppl 1):41-3, 1997.
8. Latief KH. White CS. Protopapas Z. Attar S. Krasna MJ. Search for a primary lung neoplasm in patients with brain metastasis: is the chest radiograph sufficient? *American Journal of Roentgenology*. 168(5):1339-44, 1997.
9. Reiner BI. Siegel EL. Hooper F. Pomerantz SM. Protopapas Z. Pickar E. Killewich L. Picture archiving and communication systems and vascular surgery:

- clinical impressions and suggestions for improvement. *Journal of Digital Imaging*. 9(4):167-71, 1996.
10. Protopapas Z. Siegel EL. Reiner BI. Pomerantz SM. Pickar ER. Wilson M. Hooper FJ. Picture archiving and communication system training for physicians: lessons learned at the Baltimore VA Medical Center. *Journal of Digital Imaging*. 9(3):131-6, 1996.
  11. Pomerantz SM. Siegel EL. Protopapas Z. Reiner BI. Pickar ER. Experience and design recommendations for picture archiving and communication systems in the surgical setting. *Journal of Digital Imaging*. 9(3):123-30, 1996.
  12. Reiner B. Siegel E. McLaurin T. Pomerantz S. Allman R. Hebel JR. Fritz S. Protopapas Z. Evaluation of soft-tissue foreign bodies: comparing conventional plain film radiography, computed radiography printed on film, and computed radiography displayed on a computer workstation. *American Journal of Roentgenology*. 167(1):141-4, 1996.
  13. Protopapas Z. Westcott JL. Transthoracic needle biopsy of mediastinal lymph nodes for staging lung and other cancers. *Radiology*. 199(2):489-96, 1996.
  14. White CS. Romney BM. Mason AC. Austin JH. Miller BH. Protopapas Z. Primary carcinoma of the lung overlooked at CT: analysis of findings in 14 patients. *Radiology*. 199(1):109-15, 1996.
  15. Protopapas Z. Westcott JL. Left pulmonic recess of the pericardium: findings at CT and MR imaging. *Radiology*. 196(1):85-8, 1995.
  16. Meyer DK. Protopapas Z. Studies on cholecystokinin-containing neuronal pathways in rat cerebral cortex and striatum. *Annals of the New York Academy of Sciences*. 448:133-43, 1985.
  17. Charina Gayomali, Usama Hussein, Scott Cameron. Zenon Protopapas, Fredric O. Finkelstein Encapsulating Peritoneal Sclerosis: A Single-Center Experience. *Peritoneal Dialysis International*. Accepted 3/9/2011
  18. Ciampi, Marc A.; Sadigh, Majid J; Sherwood, A.; Protopapas, Zenon; Thornton, George F.; Andriole, Vincent T. Temperate Pyomyositis at Two Community Hospitals. *Infectious Diseases in Clinical Practice*. 7:265-273, 1998.

### **Case Reports:**

19. Rao SK, Protopapas Z, Vikram HR. Unusual presentation of purulent pericarditis: diagnostic contribution of MRI. *Emergency Radiology*. 10 (3): 152 – 154, 2003.

20. Chrissoheris M, Ali R, Vivas Y, Marieb M, Protopapas Z. Isolated noncompaction of the ventricular myocardium: contemporary diagnosis and management. *Clin Cardiol.* 2007 Apr;30(4):156-60.
21. Cardiac assessment of patients with Becker's Muscular Dystrophy; Costin N. Ionescu MD PhD, Ajoy Kapoor MD, Zenon Protopapas MD Constatin B. Marcu MD: *Connecticut Medicine.* 73(7):395-7, 2009 Aug.

**Reviews, Chapters, Books:**

22. Protopapas Z. Westcott JL. Transthoracic hilar and mediastinal biopsy. *Radiologic Clinics of North America.* 38(2):281-91, 2000.
23. Protopapas Z. Westcott JL. Transthoracic hilar and mediastinal biopsy. *Journal of Thoracic Imaging.* 12(4):250-8, 1997.

**FRANK MICHAEL MELE, MD**  
President, New Haven Radiology Associates, PC  
200 Burr Street, Fairfield, CT  
Home: 203.254.9573  
Mobile: 203.218.4610  
[fmele@nhrad.com](mailto:fmele@nhrad.com)

**Education:**

1984-1988  
Albright College  
Reading, PA  
Bachelor of Science

1988-1992  
The Chicago Medical School  
Chicago, IL  
Doctor of Medicine

**Training:**

1992-1993  
Medical Internship  
Norwalk Hospital  
Norwalk, CT

1993-1997  
Radiology Residency  
Hospital of Saint Raphael  
New Haven, CT

1997-1998  
Thoracic Imaging Fellowship/Winchester Fellow  
Yale New Haven Hospital  
New Haven, CT

**Board Certification:**

The American Board of Radiology- June, 1997

**Experience:**

1998-present  
Attending Radiologist, Thoracic Imaging Section Chief and Chief of Diagnostics  
New Haven Radiology Associates

**Professional Honors/Recognition:**

1998

Yale New Haven Hospital Radiology Fellow of the Year

1997

Robert Shapiro Radiology Resident of the Year

1996-1997

Chief Resident, Department of Radiology

1996

Medical Staff President's Award

1990

Alpha Omega Alpha

**Memberships:**

American College of Radiology

American Medical Association

American Roentgen Ray Society

Connecticut Radiology Society

New England Radiology Society

New Haven County Medical Association

Society of Thoracic Radiology

**Licensure:**

Connecticut since 1997

**Publications:**

Mele FM, Forman B, Caride VJ. Thymic Uptake of Gallium in a Patient with Unsuspected Hyperthyroidism. American Journal of Roentgenology 1996; 166:450.

Mele FM, Caride VJ. Pleural Effusion. Patterns on Ventilation Perfusion Lung Scanning. Clinical Nuclear Medicine, 1998;23:571-575.

Mele FM, Friedman M, Reznik A. MRI of the Knee: Findings in Cat Scratch Disease. American Journal of Roentgenology 1996; 166:1232.

Mele FM, Ileal-Loop Bypass: A Historical Encounter. American Journal of Roentgenology 1996; 167:281.

**Chapters:**

Reinhold R, Mele FM, Jajoo D. Chapter 25: "Selected Technologies and General Surgery." The Physiologic Basis of Surgery. J Patrick O'Leary, Editor, Williams and Wilkins. 1996.

Sostman HD, Mele FM, Matthay RA. Chapter 6: "Chest Imaging" Chest Medicine. Ronald B. George, Editor. Lippincott Williams & Wilkins. 2000.

Sostman HD, Mele FM, Matthay RA. Chapter 6: "Chest Imaging" Chest Medicine. Ronald B. George, Editor. Lippincott Williams & Wilkins. 2005.



**CURRICULUM VITAE**

**1. Date:** December 2011

**I. PERSONAL**

- 2. Name:** DIEGO B. NUÑEZ, JR., M.D., MPH
- 3. Home Phone:** (203)-795-3210
- 4. Office Phone:** (203)-789-3627
- 5. Home Address:** 25 Hedgefield CT, Orange CT 06477
- 6. Current Academic Rank:** Clinical Professor of Radiology  
Yale University School of Medicine.  
New Haven CT
- 7. Primary Department:** Chairman  
Department of Radiology  
Hospital of Saint Raphael.  
New Haven CT
- 8. Citizenship:** US Citizen
- 9. Social Security** 023-48-3024

**II. HIGHER EDUCATION**

- 11. Institutional:** Fatima High School  
Fort Lee, New Jersey, 1960
- Santiago de Leon de Caracas College  
Caracas, Venezuela  
Degree: B.S., 1965
- Universidad Central de Venezuela  
Caracas, Venezuela

Degree: M.D., 1972

Internal Medicine Internship  
Carney Hospital  
Boston University School of Medicine  
Boston, MA  
July 1972 - June 1973

Diagnostic Radiology Residency  
Hospital of St. Raphael  
Yale University School of Medicine  
New Haven, CT  
July 1973 - June 1976

Cardiovascular Radiology/Special  
Procedures Fellowship  
Jackson Memorial Hospital  
University of Miami School of Medicine  
Miami, FL  
July 1976 - June 1977

Master of Public Health in  
Health Care Management and Policy  
Harvard School of Public Health  
Sept 1999 – June 2001

**12. Non-Institutional:**

None

**13. Certification, Licensure:**

National Board of Medical Examiners, 1974

**Diplomate, American Board of Radiology, 1976**

**Diplomate, American Board of Radiology with  
added qualifications in Vascular and  
Interventional  
Radiology, 1995.**

**Diplomate, American Board of Radiology with  
Added qualifications in Neuroradiology, 1997**

Washington DC- 1975-1981 (not active)

State of Florida - #0039362, issued in 1981

State of Massachusetts- #160251, issued in 1999.

State of Connecticut- # 039728, issued in 2001

### III. EXPERIENCE

#### 14. Academic:

Clinical Instructor  
Department of Radiology  
University of Miami School of Medicine  
Miami, FL  
1978-1982

Assistant Professor of Radiology  
University of Miami School of Medicine  
Miami, FL  
January 1983-June 1986

Clinical Associate Professor of Radiology  
University of Miami School of Medicine  
Miami, FL  
July 1986-July 1991

Associate Professor of Clinical Radiology  
University of Miami School of Medicine  
August 1991-June 1996

Professor of Clinical Radiology & Surgery  
University of Miami School of Medicine  
July 1996-June 1998

Professor of Radiology & Surgery with tenure  
University of Miami School of Medicine  
July 1998-June 2001.

Visiting Professor of Radiology  
Harvard Medical School  
September 1999 to August 2001

Clinical Professor of Radiology  
Yale University School of Medicine  
Sept 2001 to present

#### 15. Non-Academic:

Attending Radiologist  
Centro Medico de Caracas

Caracas, Venezuela  
1978-1982

Attending Radiologist  
Jackson Memorial Medical Center  
VA Medical Center  
Miami, FL  
1983-1986

Chairman, Department of Radiology  
Centro Medico de Caracas  
Caracas, Venezuela  
1986-1991

Visiting Fellow, Neuroradiology and MRI  
University of Miami/MR Center  
Miami, FL.  
1988- 1989

Chief, Emergency and Trauma Radiology  
University of Miami/Jackson Memorial  
Medical Center  
Miami, FL  
1991- 1999

Chief, University of Miami Radiology  
Services Cedars Medical Center  
Miami, FL  
1995- 1998

Coordinator, Neuroangiography Services  
Jackson Memorial Medical Center  
Miami, FL  
1994-1995

Attending Radiologist, Emergency Radiology  
Department of Radiology-Brigham and Women's  
Hospital-Harvard Medical School  
1999- 2000

Director, Emergency Radiology Section  
Department of Radiology-Brigham and Women's  
Hospital-Harvard Medical School  
2000- 2001

Director, Post Graduate Education  
 Department of Radiology  
 Brigham and Women's Hospital  
 Harvard Medical School  
 March 2001 to August 2001

Chairman, Department of Radiology  
 Hospital of St. Raphael  
 Yale University School of Medicine  
 Sept 2001 to present

Residency Program Director  
 Hospital of St Raphael  
 Yale University School of Medicine  
 2005-2007

16. **Military:** None

#### IV. PUBLICATIONS

#### 17. **Books, Chapters and Monographs Published:**

**Nunez Jr D** El diagnostico de la lesion traumatica cervical: Una decada de cambios basados en la evidencia: Radiologia, 2006; 48(4):185-7

**Nunez Jr D** Facial and suprahyoid neck infections. In Franquet and Berrocal. Imagenes diagnosticas en la infeccion. Panamericana Editorial, Madrid, Spain, 2006

**Nuñez Jr D** Imaging the multitrauma victim . In Del Cura and Oleaga. La Radiologia de Urgencias. Panamericana Editorial, Madrid, Spain 2005

Ledbetter MS, **Nunez Jr D** Abdominal trauma in patients with pre-existing lesions. In Dondelinger RF editor. Imaging in abdominal trauma, Berlin-Heilderberg: Springer Verlag; 2004

Rogers L, **Nuñez Jr D** Cervical Spine Injuries. In Rogers L, Radiology of Skeletal Trauma., Phila Lippincott Co. 2002

**Nuñez Jr D**, Zuluaga A. Cervical Spine Trauma. In Taveras J ed. Textbook of Radiology. Phila: Lippincott Co. 2001

**Nuñez Jr D.** Chest Trauma: Vascular Injuries. In Taveras J ed. Textbook of Radiology. Phila: Lippincott Co. 2000

Munera F, Zuluaga A, **Nuñez Jr D.** Abdominal Trauma. In Taveras J ed. Textbook of Radiology. Phila: Lippincott Co. 1999

**Nuñez Jr D,** Lentz K. Interventional Radiology in the critically ill patient. In Civetta J ed. *Critical Care* Phila: JB Lippincott Co. 1997

**Nuñez Jr. D.** Imaging of acute cervical spine trauma. In: Practical Reviews in Radiology. Vol. 21- Number 11, May 1996

**Nuñez Jr. D.** Imaging of the hepatobiliary system. In Beker S ed. *Hepatology for the clinician.* New York: Allan R. Liss. 7-17. 1988

**Nuñez Jr. D:** Liver diseases. Radiological studies: ultrasound evaluation (Gray Scale). In Beker S ed. *Diagnostic procedures in the evaluation of hepatic disease.* New York: Allan R. Liss. 289. 1983

**Nuñez Jr. D.** *Caliber Changes of the Celiac Branches.* In Radiolog, Biomedica, Inc., Princeton, NJ., 1(8), 1979

#### 18. Juried or Refereed Journal Articles or Exhibitions:

Gonzalez Beicos A, Nunez Jr D. Imaging of Acute Head and Neck Infections. *Rad Cl of N Am* 50:73-83, 2012

Gonzalez-Beicos A, **Nunez Jr D.** Role of multidetector CT in the assessment of cervical spine trauma. *Seminars in US, CT and MRI* 30;159-167, 2009

Brandman S, **Nunez Jr D.** Emergent Infections of the head and neck. In: *State of the Art Emergency Radiology 1-9. ARRS 2008 syllabus, Nunez D, Ledbetter S, Soto J, Yu J, Eds.*

Gonzalez-Beicos A, **Nuñez Jr D.** et al: Trauma to the ankylotic spine: Imaging spectrum of vertebral and soft tissue injuries. *Emergency Radiology* 14:371. 2007

**Nuñez Jr, D,** Berkmen T: Blunt cerebrovascular injuries. *European Journal of Radiology*, 59:317-326, 2006.

Staller B, Munera F, Sanchez A, **Nuñez Jr, D**: Helical and multislice CTA following penetrating trauma to the subclavian and axillary arteries. *Emergency Radiology* 11:336-41, 2005

Rao S, Wasyliw C, **Nunez Jr D**: Hyperextension injuries of the neck: Spectrum of imaging findings. *Radiographics*, 25:1239-1254, 2005

Munera F, Soto JA, **Nunez Jr D** : Penetrating Injuries of the neck and the increasing role of CTA. *Emergency Radiology*, 10: 303-309, 2004

**Nunez Jr D**, Torres-Leon M, Munera F: Vascular injuries of the neck and thoracic inlet:  
Helical CT/ Angiographic Correlation. *Radiographics*, 24:1087-1098, 2004

Rao S, **Nunez Jr D**, Gahbauer H: MRI evaluation of an open globe injury  
*Emergency Radiology* 10:144-146, 2003

**Nunez Jr D**: Cervical Spine trauma Imaging: Are we finally agreeing? *Emergency Radiology*, Editorial 10:126-127, 2003

Kang P, **Nunez Jr D**: Arteriovenous fistula following pacemaker lead removal: CT diagnosis. *Emergency Radiology*, 10:40, 2003

**Nunez Jr D**, Ledbetter ML, Farrell L: Dedicated CT scanner in an Emergency Department: Quantification of factors contributing to lack of use.  
*AJR*, 179:859-862, 2002

Rybicky F, Nawfel R, Ledbetter ML, **Nunez Jr. D**: Thyroid Dose estimates in routine screening for suspected cervical spine injury: A comparison between helical CT of the entire cervical spine and a radiographic trauma series.  
*AJR* 179:933-937, 2002

**Nunez Jr D**: Helical CT of cervical spine in trauma patients. *AJR*, 178: 1566, 2002

Rybicky F, Knoll B, McKenney K, **Nuñez Jr. D**: Are cervical spine radiographs necessary in the initial trauma assessment when helical CT is routine?  
*Emergency Radiology*, 7: 352-355, 2000

Blackmore C, Mann F, **Nuñez Jr. D.**: Variability in the practice of Emergency Radiology: A Survey among Members of the American Society of Emergency Radiology. *Emergency Radiology*, 7: 142-148, 2000

**Nuñez Jr. D**, Baptista K, McKenney KA: Trauma to abnormal organs: CT Diagnosis. *Emergency Radiology*, 7: 120-125, 2000

- Núñez Jr. DB.** Value of complete cervical helical computed tomography in identifying cervical spine injuries. *Journal of Trauma*, 48:988-989, 2000.
- LeBlang SD, **Núñez Jr. D:** Non invasive imaging of cervical vascular injuries *AJR*, 174:1269-1278, 2000
- Pihneiro LW, McKenney KL, Rivas LE, **Núñez Jr. D:** Incidental findings on trauma sonography- Is there more than just free fluid? *Emergency Radiology*, 7:19-24, 2000.
- Leblang SD, **Núñez Jr. D:** Helical CT of Cervical Spine and Soft Tissue Injuries of the Neck. *Radiol Clin North Am*, 37: 515-532,1999.
- Fishman JE, **Núñez Jr. D** Kane A, Rivas LA, Jacobs WE: Direct versus Indirect Signs of Traumatic Aortic Injury Revealed by Helical CT: Performance characteristics and interobserver agreement. *AJR*, 172:1027-1031, 1999.
- Núñez Jr. D** , Quencer R: The Role of helical CT in the assessment of cervical spine injuries. *AJR*, 171:951-957,1998.
- Fernandez L, McKenney MG, McKenney KL, **Núñez D:** Ultrasound in blunt abdominal trauma. A review. *Journal of Trauma*, 45:841-848, 1998.
- McKenney KL, **Núñez DB**, McKenney MG, Cohn S: Ultrasound for blunt abdominal trauma: Is it free fluid? *Emergency Radiology*, 5:203-209, 1998.
- Núñez Jr. D**, Rivas L, McKenney K, LeBlang S, Zuluaga A: Helical CT of Traumatic Arterial Injuries. *AJR*, 170:1621-1626,1998
- Núñez Jr. D:** Helical CT for the Evaluation of Cervical Vertebral Injuries. *Seminars in Musculoskeletal Radiology*, 2:19-26, 1998
- McKenney KL, **Núñez Jr. D**, McKenney MG, Aser J, Zelnick K, Shipshak D: Sonography as the Primary Screening Technique for Blunt Abdominal Trauma: Experience with 899 Patients. *AJR*, 170:979-985, 1998
- Quencer RM, **Núñez Jr. D**, and Green BA: Controversies in Imaging Acute Cervical Spine Trauma. *AJNR* 18:1866-1868, 1997
- LeBlang S, **Núñez Jr. D**, et al: CT in gunshot wounds to the neck: Can we predict vascular injuries?. *Emergency Radiology*, 4:191-199, 1997
- LeBlang S, **Núñez Jr. D**, et al: Helical CT Angiography in penetrating neck trauma. *Emergency Radiology*, 4:200-206, 1997



- McKenney K, McKenney M, **Nuñez Jr. D**, Martin L: Cost reduction using Ultrasound in Blunt Abdominal Trauma. *Emergency Radiology*; 4:3-6, 1997
- Nuñez Jr. D**, Zuluaga A, Fuentes-Bernardo D, Rivas L: Cervical Spine Trauma: How Much More do We Learn by Routinely Using Helical CT? *RadioGraphics*; 16:1307-1318, 1996
- Nuñez Jr. D**, Becerra JL, Fuentes D, Pagson S: Traumatic Occlusion of the Renal Artery: Helical CT Diagnosis. *AJR*; 167:777-780, 1996
- Ginzburg E, Montalvo BM, LeBlang SD, **Nuñez Jr. D**, Martin L: The use of duplex ultrasonography in penetrating neck trauma. *Arch Surgery*; 131:691-693, 1996
- Montalvo BM, LeBlang SD, **Nuñez Jr. D**, Ginsburg EK. Color Doppler Sonography in Penetrating Injuries of the Neck. *AJNR*; 17: 943-951, 1996
- Lentz KA, McKenney MG, **Nuñez Jr. D**, McDowell L: Interpreting the trauma ultrasound: Observations in 62 positive cases. *Emergency Radiology*; 3: 113-117, 1996
- Lentz KA, McKenney MG, **Nuñez Jr. D**, Martin L: Evaluating blunt abdominal trauma: Role for ultrasonography. *Journal of Ultrasound in Medicine*; 15: 447-451, 1996
- McKenney MG, Martin L, Lentz KA, Kirton O, **Nuñez Jr. D**: 1,000 consecutive ultrasounds for blunt abdominal trauma. *J of Trauma*; 40: 607-612, 1996
- Nuñez Jr. D**, Wester JD, Lentz KA, Amendola M : Helical CT of liver injuries: a trial of dual phase imaging. *Emergency Radiology*; 3:20-24, 1996
- Nuñez Jr. D**, Ahmad A, Coin CG, LeBlang S, Becerra JL, Henry R, Lentz K, Quencer R: Clearing the cervical spine in multiple trauma victims: A time-effective protocol using Helical Computed Tomography. *Emergency Radiology*; 1: 273-278, 1994
- McKenney M, Lentz KA, **Nuñez Jr. D**, Sosa JL, Sleeman D, et. al.: Can ultrasound replace diagnostic peritoneal lavage in blunt trauma. *J of Trauma*; 37:439-441, 1994
- Nuñez Jr. D**, Becerra JL, Martin L: Subhepatic collections complicating laparoscopic cholecystectomy: percutaneous management. *Abdominal Imaging*; 19:248-250, 1994

- Nuñez Jr. D**, Yrizarry JM, Casillas VJ, et al. Percutaneous management of appendiceal abscesses. *Seminars in Ultrasound, Computed Tomography and Magnetic Resonance*; 10:348-351, 1989
- Beerman R, **Nuñez Jr. D**, Metli CV: Radiographic evaluation of the cocaine smuggler. *Gastrointestinal Radiology*; 11:351-354, 1986
- Castillo M, **Nuñez Jr. D**, Morillo G. Review of computed tomographic findings in thrombosis of the major abdominal venous pathways. *J Comput Tomogr*; 10:205-214, 1986
- Nuñez Jr. D**, Huber JS, Yrizarry JM, Mendez G, Russell E: Nonsurgical drainage of appendiceal abscesses. *AJR*; 146:587-589, 1986
- Russell E, Yrizarry JM, Huber JS, **Nuñez Jr. D**, Hutson DG, Schiff E, Reddy RK, Jeffers L, Williams A. Percutaneous transjejunal biliary dilatation: alternative management in benign biliary strictures. *Radiology*; 159:209-214, 1986
- Nuñez Jr. D**, Guerra Jr. J, Al-Sheikh W, Russell E, Mendez G. Percutaneous Biliary drainage in acute suppurative cholangitis. *Gastrointestinal Radiology*; 11:85-89, 1986
- Nuñez Jr. D**, Hansen D. Current trends in endourology: ureteral interventions. *Rev Interam Radiol*; 10:47-52, 1985
- Nuñez Jr. D**, Yrizarry J, Russell E, et al. Transgastric drainage of pancreatic fluid collections. *AJR*; 145:815-818, 1985
- Russell E, Hutson D, Guerra Jr J, **Nuñez Jr. D**. Dilatation of biliary strictures through a stomatized jejunal limb. *ACTA Radiologica*; 26:283-286, 1985
- Nuñez Jr. D**, Guerra Jr J, Russell E. CT demonstration of contrast extravasation complicating translumbar aortography. *J Comput Tomogr*; 9:69-70, 1985
- Mendez G, **Nuñez Jr. D**, Yrizarry J, Russell E, Guerra Jr J. Uses and abuses of biliary endoprosthesis. *Seminars in Interventional Radiology*; 2:60-68, 1985
- Mendez G, **Nuñez Jr. D**. Intra-arterial digital angiography in the evaluation of transient ischemic attacks. *Rev Interam Radiol*; 9:201-205, 1984
- Nuñez Jr. D**, Marti A, Lynne CB, Russell E, Guerra Jr. JJ: Percutaneous management of staghorn and large pelvic stones. *Rev Interam Radiol*; 9:187-192, 1984

**Núñez Jr. D**, Russell E, Yrizarry J, Pereiras R, Viamonte Jr. M. Portosystemic communications studied by transhepatic portography. *Radiology*; 127:75-79, 1978

Russell E, **Núñez Jr. D**, Yrizarry J. The 23-gauge sheathed needle: an alternative to transhepatic cholangiography. *Radiology*; 128:822-823, 1978

**Núñez Jr. D**, Russell E, Morillo G. Unusual complications of renal cyst puncture. *Rev Interam Radiol*; 3:1-4, 1978

Fishbone G, **Núñez Jr. D**, et al. Massive splenic infarction in sickle cell hemoglobin C disease. *AJR*; 129:927-928, 1977

**Núñez Jr. D**, Avella J. Intramural hematomas of the GI tract complicating anticoagulant therapy. *GEN*; 32:185-187, 1977

**Núñez Jr. D.**, Angiodiagnosis and angiotherapy of GI bleeding. *GEN*; 32:125-129, 1977

**Núñez Jr. D**, Gonzalez-Serva L, Galloway S. Pulmonary lymphangitic carcinomatosis in renal adenocarcinoma. *Br J Radiol*; 50:142-146, 1977

**Núñez Jr. D**, Bjarnason, Schwartz S. Barium findings in retrograde intussusception. *AJR*; 125:717-722, 1975

#### 19. Other Works, Publications and Abstracts:

Rybicki FJ, Nawfel RD, Ledbetter SL, **Nunez DB Jr.** *Thyroid dose estimates in routine screening for suspected Cervical Spine Injury*  
*Radiology*, 217 (P): 322, 2000.

**Núñez Jr. DB.** *Imaging of lower cervical spine injuries. In Categorical Course Syllabus, American Roentgen Ray Society: Emergency and Trauma Radiology-2000*, 47-53

Montalvo BM, LeBlang SD, **Núñez DB.** *Color Doppler Sonography in Penetrating Injuries of the Neck.* The Year Book of Emergency Medicine, Mosby, 27, 1998

**Núñez DB, Jr.**, Becerra JL, Fuentes D and Pagson S. *Traumatic Occlusion of the Renal Artery: Helical CT Diagnosis.* Journal of Urology, 158:1629, 1997

Coin CG, Zych GA, Fuentes D, **Núñez Jr. D.** *Helical CT Holography of Pelvic Fractures: comparison with radiography and helical CT in the trauma setting.* *Radiology*, 201(B): 200, 1996

- McKenney KL, McKenney MG, **Nuñez Jr. D.** *Ultrasound As A Primary Screening Modality In Blunt Abdominal Trauma: Experience With More Than 700 Patients.* Radiology, 201(B): 433, 1996
- Amendola MA, Lebeille R, **Nuñez Jr. D.** *Spiral CT of uretero pelvic junction obstruction.* Radiology, 201(B): 289, 1996
- Broder JD, **Nuñez Jr. D.** *Spiral CT in Trauma, Indications and Contributions to Case Management.* Radiology, 201(B):513, 1996
- Zuluaga A., **Nuñez Jr. D. B.**, Fuentes-Bernardo D. A., Rivas L., Ahmad A. A., *Cervical Spine Trauma Series: How Much More Do We Learn by Routinely using Helical CT?* Radiology, 197(P):471, 1995
- Shill S. D., Kiszonas R. A., **Nuñez Jr. D. B.**, *Significance of a Dense, Wide Mediastinum* Radiology, 197(P):524, 1995
- Wester Jr. D. J., **Nuñez Jr. D. B.**, Lentz K. A., Martin L. C., Taubenfeld A. K., Franca E. R., *Nonoperative Management of Liver Lacerations: CT Observations* Radiology, 193(P):435, 1994
- Serafini A., LeBlang S. D., **Nuñez Jr. D. B.**, Montalvo B. M., Donovan Post M. J., Becerra J. L., *Contribution of CT in Penetrating Neck Injuries* Radiology, 193(P):456, 1994
- Nuñez Jr. D. B.**, Gomez-Jorge J. T., Mendez K. R., Lentz K. A., Becerra J. L., Yrizzary J. M., et al., *Posttraumatic Angiography: Spectrum of Lesions Treated with Transcatheter Interventions* Radiology, 193(P):382, 1994
- Gomez-Jorge J. T., **Nuñez Jr. D. B.**, Lentz K. A., Becerra J. L., Henry Jr. R. P., Rivas L., *Trauma-related Abscesses and Fluid Collections: Value of imaging guided Percutaneous Interventions* Radiology, 193(P):385, 1994
- Jacobs W. E., Ahmad A. A., Rivas L., **Nuñez Jr. D. B.**, *The Role of Helical CT in the Evaluation of Traumatic Vascular Injury* Radiology, 193(P):385, 1994
- LeBlang S. D., **Nuñez Jr. D. B.**, Donovan Post M.J., Serafini A., Montalvo B. M., Becerra J. L., *CT of the Neck In Penetrating Trauma: Predictive Value for Vascular Injury* Radiology, 193(P):241, 1994
- LeBlang S. D., Montalvo B. M., **Nuñez Jr. D.**, Becerra J.L., Kochan J., Ginsburg E., *Color Doppler Imaging in Traumatic Neck Injuries* Radiology, 189(P):394, 1993
- Ahmad A. A., Coin C. G., Soto R. F., Echenique A. M., **Nuñez Jr. D.**, Becerra J. L., *Evaluation of Cervical Spine Injuries in Trauma Patients: Usefulness and*

*Limitations of Plain Films and Conventional and Spiral CT* Radiology, 189(P):398, 1993

LeBlang S. D., **Nuñez Jr. D.**, Montalvo B.M., Lentz K., Becerra J. L., Schmaltz R., *Trauma Center US: Newer Applications Impacting on Case Management* Radiology, 189(P):421, 1993

Ahmad A. A., **Nuñez Jr. D.**, Soto R., Echenique A. M., Montalvo B. M., *Spiral CT in the Evaluation of Blunt Abdominal Trauma* Radiology, 189(P):422, 1993

**Nuñez D. J.**, Ahmad A.A., Coin C. G., Becerra J.L., Quencer R., *Spiral CT of the Cervical Spine Primary Role in Multiple-Trauma Patients* Radiology, 189(P):259, 1993

Coin C. G., LeBlang S., **Nuñez D. Jr.**, Becerra J.L., Henry R., Lerner H., *Digital Radiology of Pelvic Fractures* Radiology, 189(P):309, 1993

Lentz K. A, McKenney M., **Nuñez Jr. D.**, Axelrod A., Kirton M. O., Martin L., Et al., *Can US Replace Diagnostic Peritoneal Lavage in Blunt Abdominal Trauma?* Radiology, 189(P):311, 1993

Olazabal R., Huson II H., Fishman J. E., **Nuñez Jr. D.**, Amendola M. A., *Is It Clot or Is It Not? CT Evaluation of Inferior Vena Cava Thrombosis*, Radiology 189(P):361, 1993

Mendez K, Casillas J, Montalvo BM, Yrizarry J, **Nuñez D.**, *Imaging-Guided Drainage of Abdominal Post Traumatic hematomas* Radiology, 185(P):167, 1992

**Nuñez Jr. D.**, Malave S, Leon E. CT of the psoas muscle. *J Computed Assist Tomogr*;4(5):708, 1980

**Nuñez Jr. D.**, Barnason T, Schwartz S. Barium findings in retrograde intussusception. *Year Book of Diagnostic Radiology*; 271, 1977

**20. Other works accepted for publication:**

**V. PROFESSIONAL**

**22. Editorial Responsibilities:**

Associate Editor: *Radiology* – Jan 2007 to present

Associate Editor: *Emergency Radiology*- June 2001 to 2005

Reviewer: Radiology (RSNA)  
 American Journal of Neuroradiology (ASNR)  
 Emergency Radiology (ASER)  
 Radiographics  
 American Journal of Roentgenology (AJR)

Member of the Editorial Board: Emergency Radiology. Feb 2000 to present

Associate Editor of *Revista Interamericana Radiologia (Journal of the Interamerican College of Radiology)*. 1984-1989.

Editorial Advisory Board: Diagnostic Imaging 1995-1999.

International Editorial Board: *Revista Mexicana de Radiologia*. 1996 to present

International Advisory Board: *Radiologia- Revista Espanola de Radiologia*. 1996 to present.

Editorial Advisory Board of Radiolog - Continuing Professional Education Center, Inc. Princeton, NJ 1978-1983.

**23. Professional and Honorary Organizations:**

Member Scientific Program Committee ARRS 2007 to present

Chairman RSNA Scientific Program Subcommittee in Emergency Radiology 2007-2010

Chairman Education Committee American Society Emergency Radiology 2006

Coordinator of Instructional Courses, Emergency Radiology Track. American Roentgen Ray Society – 2004-2009.

Writer Task Force in Neuroradiology (Emergency Radiology). American Board of Radiology. 2004-2006

Oral Boards Examiner in Neuroradiology. American Board of Radiology 2005, 2008

Member of Scientific Program Committee. Radiological Society of North America 2004-2007.

Chairman By-Laws Committee American Society Emergency Radiology 2003

Member Nominating Committee American Society Emergency Radiology 2003

Vice-President New England Roentgen Ray Society 2002-2003

President American Society Emergency Radiology 1999-2000

President-Elect American Society Emergency Radiology 1998-1999

Refresher Course Faculty- Radiological Society of North America, 1997, 1998, 1999, 2000, 2002, 2003, 2004, 2006, 2007, 2008.

Member of Committee on Standards and Accreditation of the American College of Radiology -Member of the Sub-committee on Cervical Spine Radiography, 1998-2004

Director-at-large American Society of Emergency Radiology 1997-1998

President Interamerican College of Radiology 1996-1998

President-Elect Interamerican College of Radiology 1994-1996

Program Committee Chairman American Society of Emergency Radiology, 1996-1997

Member of the Program Committee of the American Society of Emergency Radiology. 1995-1996

Member of the Site Committee of the American Society of Emergency Radiology. 1994-1995

Member of the Educational Committee of the American Society of Emergency Radiology. 1993-1994

**Memberships:**

Radiological Society of North America, American Roentgen Ray Society, American Society of NeuroRadiology, American Society of Emergency Radiology, Interamerican College of Radiology, American College of Radiology, New England Roentgen Ray Society, American Society Spine Radiology, Society of Chairman of Academic Radiology Departments (SCARD).

**24. Honors and Awards:** **Gold Medal-** American Society of Emergency Radiology, September 2004

**Gold Medal-** InterAmerican College of Radiology,  
June 2004

Certificate of Merit

Rao S, Wasyliw C, **Nunez Jr D** Spectrum of  
imaging findings in hyperextension injuries of the  
neck

Exhibited at RSNA, Chicago, IL 2003

Certificate of Merit

**Nuñez Jr. D**, Zuluaga A, Fuentes D, Rivas L,  
Becerra JL. "Cervical spine trauma series: how much  
more do we learn by routinely using helical CT?"

Exhibited at RSNA, Chicago, IL 1996

Magna Cum Laude

**Nuñez Jr. D**, LeBlang S, Montalvo B, et al: "Color  
Doppler Imaging in Penetrating Neck Trauma.

Exhibited at the ASNR, Nashville, TN 1994

Certificate of Merit

LeBlang S, **Nuñez Jr. D**, Becerra J, Kochan J, et al.  
"Color Doppler Imaging in Traumatic Neck Injuries".

Exhibited at the RSNA, Chicago, IL 1993.

Chief Resident, Diagnostic Radiology

Hospital of St. Raphael

Yale University School of Medicine

New Haven, CT

July 1975 - June 1976

Honorary Member- Sociedad Española de  
Radiología, 1995

**25. Post-Doctoral Fellowships:**

Cardiovascular Radiology/Special

Procedures Fellowship

Department of Radiology

University of Miami School of Medicine

Jackson Memorial Hospital

Miami, FL 33136

July 1976 - June 1977



Visiting Fellow in Neuroradiology and MRI  
 University of Miami MR Center  
 Dec 1988 - May 1989

**26. Other Professional Activities:  
 Course and Congress Directorships:**

Course Director: Categorical Course of ARRS in Emergency Radiology 2008

RSNA International Visiting Professor. Peruvian Society of Radiology at Lima and Arequipa, Peru. Nov. 2-11, 2002

Course Director: Emergency Radiology: Pearls and Perils, Harvard Medical School, Department of Continuing Education. North Carolina May 10-12 and New York Dec 14-15, 2001.

President XIX Interamerican Congress of Radiology, Miami, Florida, October 10-14 October, 1998.

Chairman: Program Committee American Society of Emergency Radiology.  
 1996-1997

President: XV Interamerican Congress of Radiology, Caracas, Venezuela, February 11-16, 1990

Course Director: Radiology of Hepatobiliary and Pancreatic Diseases. Sponsored by the Department of Radiology, University of Miami School of Medicine, Miami Hyatt Regency Hotel, April 2-5, 1986

**Invited Lectures:**

Imaging head and neck emergencies: I can't see, I can't swallow. American Society of Emergency Radiology. Miami Fl. Sept 2011

Head and Neck Emergencies: Keynote lecture New England Roentgen Ray Society Boston MA. Feb 2011

Frequent Errors in Emergent Neuroimaging, University of Miami CME Course, Palm Beach FL Feb 2011

Head and neck infections: University of Miami CME Course, Palm Beach FL Feb 2011

Easily missed findings in Emergency Radiology: Skull base and neck, RSNA Chicago 2010

Imaging of spine trauma. San Marino Italy, Sept 2010

Imaging acute myelopathies. ASER, Seattle WA, Aug 2010

MDCT of Spine Injuries: ASNR, Boston MA, May 2010

Managing your Emergency Radiology practice. Special series moderation and Presiding Officer. RSNA Chicago IL Nov 2009

Common mistakes in emergent neuroimaging, Head and neck emergent infections and MDCT of cervical spine trauma. Musculoskeletal, Neuro and Body Imaging in the ER. Miami, FL Nov 2009

Cervical spine trauma imaging: Implications for management and Imaging head and neck infections ARRS, Boston May 2009

Emergent cervicofacial imaging: Radiology Grand Rounds. University of Maryland. April 2009

Easily missed findings in emergency radiology: Brain. Chicago, RSNA 2008

Controversies in Emergency Radiology: Screening cervical vascular injuries. Chicago 2008 RSNA

Founders lecture ASER- Reflections on the practice of emergency neuroimaging. Houston, Tx Oct 2008

Pitfalls in Trauma Radiology and Imaging assessment of the multitrauma victim at the National Congress of Radiology Seville, Spain May 2008

Emergent Infections of the Head and Neck. ARRS, Washington DC April 2008

Easily missed findings in emergency radiology: Brain, RSNA, Chicago IL, Nov 2007

- Pitfalls in Emergent Neuroimaging: ASER, San Diego Ca, Oct 2007  
 Nontraumatic emergencies of the Head and Neck, ARRS, Orlando Fl, May 2007  
 Moderator Scientific session in emergency care, ARRS Orlando Fl May 2007  
 Neuroimaging of Emergencies (4 lectures) Head and neck infections, What we frequently miss in the ED, Cervical Spine Trauma,  
 Imaging Cerebrovascular injuries. RSNA sponsored symposium in Mexico City, Feb 2007  
 Frequently missed findings in emergent brain imaging RSNA, Chicago, Dec 2006
- Presiding Officer/Moderator Scientific session in Trauma imaging and emergency care, RSNA Chicago Dec 2006
- Neuroimaging of the Emergency Department patient. ARRS, Vancouver C, May 2006
- Visiting Professor at Medical University of South Carolina, Charleston SC.  
 Lectures: Imaging Head and Neck Emergencies and Contemporary imaging of suspected spine trauma March 2006
- Presiding officer/Moderator. Scientific Session A24 Emergency Radiology: CT in trauma.  
 RSNA Chicago IL, Dec 2005
- Postgraduate course in Emergency and Trauma Radiology (6 Lectures)  
 Annual Symposium Hospital 12 de Octubre Madrid, Spain
- MDCT in Emergency Neuroradiology: A case-based presentation  
 Annual meeting ARRS, New Orleans LA, May 2005
- Traumatic emergencies of the brain, head and neck:  
 SERAM Annual Symposium- Madrid Spain, Feb 2005
- Applications of MDCT: Spine trauma  
 Annual Assembly of RSNA, Chicago, IL Dec 2004
- Visiting Professor- Neuroradiology Case presentation  
 Winthrop University Hospital, Mineola NY  
 Grand Rounds lecture: Imaging Spine Trauma, Oct. 2004
- Moderator Emergency Radiology Case Panel, New England ray society, Boston MA, Oct 2004

Thoracic Vascular Injuries

International Congress of Radiology, Montreal Canada, June 2004

MDCT of Spine Trauma: Post processing and 3D rendering

American Society of NeuroRadiology, Seattle WA. May 2004

MDCT of Craniocervical Trauma. Hospital Cardarelli, University of Naples, Italy,

May 2004

MDCT/Post Processing and benefits of 3D rendering for Spine Trauma

American Society of Spine Radiology, Miami Beach, FL February 2004

Essentials of Trauma CT: Spine

Annual Assembly of the RSNA, Chicago IL, December 2003

Overview of Trauma Imaging: A look into the future

Annual assembly of the RSNA, Chicago IL, December 2003

Cervical Spine Trauma: Imaging the unevaluable patient

American Society of Emergency Radiology, Las Vegas NV Sept. 2003

Cervical Spine Trauma: Imaging the neurologically impaired

American Society of Emergency Radiology, Las Vegas NV Sept. 2003

Visiting Professor-

Grand Rounds: Vascular and soft tissue injuries of the neck

Neuroradiology Board Review

Department of Radiology. University of Connecticut

Farmington CT, April 2003

Visiting Professor- Neuroradiology Board review

Radiology Grand Rounds lecturer: How to image the spine in the high risk trauma patient.

Department of Radiology McGill University

Montreal Canada, March 2003

Imaging the patient with suspected spine trauma,

Abdominal trauma. University of Miami Winter Symposium, Coral Gables March 2003

Brain Trauma, Cervical Spine Injuries and Facial Fractures: Lectures at Harvard

University Radiology Course. Hyannis MA, Feb 2003

Imaging suspected spine trauma.

Radiology Grand Rounds. Yale University School of Medicine, Dec 2002

Essentials of Trauma CT: Spine

Annual Assembly of the RSNA, Chicago IL, December 2002

Thoracic vascular trauma, US and CT of abdominal trauma, and Cervical Spine Injuries at Peruvian Congress of Radiology, Nov. 2002

Initial imaging assessment of the traumatized abdomen. Surgical Grand Rounds at Hospital of St. Raphael New Haven CT, Sept. 2002

Brain Trauma, Cervical Spine Injuries, Facial Fractures: Harvard University Radiology Course. Hyannis MA, August 2002

Cervical Spine Trauma: Mechanistic approach and

Head and Neck Vascular Injuries:

Visiting Professor University of Washington Emergency Radiology Course. Seattle WA, August 2002

Trauma Imaging Course (Brain injuries, Facial fractures, Spine Trauma, Abdominal trauma, Vascular Injuries) in Salvador, Brasil, August 2002

Ultrasound in Abdominal Trauma, Aortic injuries, Spine trauma.

International Congress of Radiology. Cancun Mexico, July 2002

Multidetector CT of vascular injuries.

American Roentgen Ray Society, Atlanta Ga., April 2002

Multidetector CT in spine trauma: American Society Emergency Radiology, Orlando FL, March 2002

Lecturer in annual Radiology Course: RSNA and Mexican Federation of Radiology (4 lectures), Mexico City Mexico, February 2002

Moderator: Panel of unknown cases, New England Roentgen Ray Society

Boston, MA. Nov. 2001

J.Hodak lecturer and Visiting Professor in Neuroradiology, the Barrow Neurological Institute and St. Joseph Medical Center. Phoenix, AZ. Oct. 2001

Instructional Course:

ARRS- Helical and Multidetector CT in Neuro Emergencies

Seattle, Washington May 2001

Head and Neck emergencies- 12<sup>th</sup> annual meeting, American Society of Emergency Radiology, San Francisco, California March 2001.

Refresher Course: RSNA- Helical CT of Abdominal Trauma, Nov 2000

Guest Speaker: Venezuelan Congress of Radiology- Cervical spine injuries, vascular thoracic injuries and abdominal trauma. Caracas, Venezuela. October 2000

Imaging of Lower Cervical Spine Injuries- in Emergency and Trauma Radiology Categorical Course, American Roentgen Ray Society, Washington DC. May 2000

New trends in the diagnosis and management of stroke in the Emergency Room Focus Session moderator, 11<sup>th</sup> annual meeting, American Society of Emergency Radiology, Orlando Florida. March 2000

Radiology Grand Rounds- Imaging of cervical spine injuries, Boston Medical Center, Boston University School of Medicine, February 2000.

Guest Faculty Johns Hopkins Medical School CT Symposium: The cutting edge. February 2000.

Guest speaker at the Interamerican Congress of Trauma Surgery. Aortic Injuries, Spine Trauma, Abdominal Trauma. Venezuela, Nov 1999 .

Emergency NeuroRadiology: Strategies for successful implementation. American Society of NeuroRadiology. San Diego May 1999

Spine Trauma  
American Society of NeuroRadiology. San Diego May 1999

Helical CT in Spine Trauma: Applications, protocols and pitfalls  
Annual Meeting American Society Emergency Radiology. Las Vegas- March, 1999.

“Ultrasound and Helical CT of Abdominal Trauma: initial assessment” and  
“Abdominal trauma: beyond the liver and the spleen”  
Annual Meeting- Department of Radiology, University of Chicago- March, 1999.

Helical CT of Abdominal Trauma: Refresher Course RSNA- November 1998.

Guest speaker for Radiology Grand Rounds at Harvard Medical School/Massachusetts General Hospital. The Role Helical CT in the Evaluation of Cervical Spine Trauma, September 1998.

Guest speaker at the Sociedad de Radiologia del Peru, Lima, July, 1998.

Visiting Professor to the Hospital Naval, Lima, Peru, July, 1998.

Visiting Professor University of Cordoba/Argentina. Conferences on Abdominal Trauma, Initial Assessment and new Observations. May 1998.

Categorical course in Trauma Radiology in the Venezuelan Congress of Radiology. May 1998.

Visiting Professor/Universidad Veracruzana. Conference on Cranial Cerebral Trauma and Spine Trauma, Veracruz, Mexico. April 1998.

Coordinator and Speaker in the Interactive Workshop on Vascular Injuries/Annual Meeting of the American Society of Emergency Radiology, St. Petersburg, Florida. April 1998.

“Ultrasound and Helical Screening of the Traumatized Abdomen”, “Cervical Spine: Initial Assessment”, “Diagnosis and Treatment, Part I and II”, “Facial Trauma”, “Common Intracranial Injuries” – The international Institute for Continuing Medical Education, Inc. – Imaging in the Acute Care Setting. Cancun, Mexico, February 1998.

Emergent US and Helical CT: Options in trauma imaging. Refresher Course – RSNA, Chicago December 1997.

“Traumatismo Torácico”, “Traumatismo Vascular”, “Traumatismo Cerebral”, “Traumatismo del cuello”- “IX Symposium Internacional de Actualización en Diagnóstico por la Imagen”, Zaragoza, Spain, November, 1997.

“Interventional Radiology in the Traumatized Patient”, “Blunt and Penetrating Neck Trauma”, 1997, presented in Central American Congress of Radiology, Guatemala, October 1997

“Helical CT Evaluation of Abdominal Trauma”, “Course and Diagnostic Imaging”, organized by the Asociacion Colombiana de Radiologia, Medellin, August 1997

“The Role of the Radiologist in the Emergency Room”. Lecture to the Puerto Rican Association of Radiology in August, 1997

“The radiologist in the emergency room” - National Meeting of Residency in Radiology, Caracas, Venezuela, July 1997.

“Selected topics in trauma radiology” - International Course in Diagnostic Imaging, Tucumán, Argentina, June 1997.

“Imaging of blunt and penetrating neck injuries” - Curso de Imagenologia en Español, Miami, May 1997.

“Clearing the cervical spine with helical CT” - Trauma Symposium American Roentgen Ray Society Meeting, Boston, Massachusetts, May 1997.

“Cranio cerebral trauma, Abdominal trauma”. - “Radiology Course in Trauma” in Malaga, Spain, February 1997.

“Helical CT and angiography for mediastinal trauma, initial evaluation of blunt abdominal trauma, abdominal trauma beyond the liver and the spleen, cervical spine trauma” - XXI Annual Course in Diagnostic Imaging, University of Florida, Mexico City, Mexico, February 1997.

“Abdominal trauma imaging” - Interamerican Congress of Radiology, Cancún, Mexico, October 1996.

“CT Helicoidal en urgencias” - Curso de Imagenologia en Español, University of Miami, Miami, Florida, July 1996.

“Blunt and penetrating cervical injuries” Radiological Congress- Radiological Association of Guatemala- November 1995.

“Imaging of neurologic emergencies” Radiological Congress- Radiological Association of Guatemala- November 1995.

Visiting Professor Univeristy of San Luis Potosi, Mexico, “Topics in emergency radiology”: Head trauma, abdominal injuries, helical CT in trauma imaging, vascular interventions in the traumatized patient, October 1995.

“Monographic Course in Trauma Radiology”: Brain trauma, Cervical spine injuries, Abdominal Trauma, Vascular injuries and Interventional Radiology in trauma, Imaging protocols in the trauma patient. Dictated at annual meeting of the Radiological Society of Spain, Sept. 1995.

“Vascular trauma - diagnosis and intervention”. Radiological Society of Panama, Panama August 1995.

“Helical CT in trauma”. Radiological Society of Panama, Panama August 1995.

“Penetrating neck injuries”. Radiological Society of Panama, Panama , 1995



"Imagenología de emergencia neurológica" and "Problemas diagnosticos en trauma abdominal". Curso de Imagenología en Español, University of Miami, Miami, July 1995.

"Peripheral vascular trauma". Venezuelan Congress of Surgery, Caracas, Venezuela, March 1995.

"Imaging of thoracic vascular injuries". Venezuelan Congress of Surgery, Caracas, Venezuela, March 1995.

"CT of acute inflammatory diseases of the abdomen". Venezuelan Congress of Surgery, Caracas, Venezuela, March 1995.

"Update in trauma radiology". The Robert Shapiro Memorial Lecture, Miami Beach, March 1995.

"The radiologist in the emergency room: The value of ultrasound, Helical CT and Interventional procedures. Interamerican Congress of Radiology, Buenos Aires, Argentina, September 1994.

"TAC Helicoidal: Aspectos Generales y Aplicaciones en Trauma". Curso de Imagenologia en Español: Miami 1994. Miami, Florida, June 1994

"Evaluacion Radiologica del Traumatismo Craneo-Encefalico y Facial". Curso de Imagenologia en Español: Miami 1994. Miami, Florida, June 1994

"Diagnostic dilemmas in emergency radiology". VI Jornadas Internacionales de Actualizacion en Diagnostico por Imagenes. Cordoba, Argentina, May 1994.

"Interventional radiology in the emergency room". VI Jornadas Internacionales de Actualizacion en Diagnostico por Imagenes. Cordoba, Argentina, May 1994.

"Craneo-facial trauma". VI Jornadas Internacionales de Actualizacion en Diagnostico por Imagenes. Cordoba, Argentina, May 1994.

"Imaging of cervical spine trauma". VI Jornadas Internacionales de Actualizacion en Diagnostico por Imagenes. Cordoba, Argentina, May 1994.

"Imaging protocols in trauma patients". VI Jornadas Internacionales de Actualizacion en Diagnostico por Imagenes. Cordoba, Argentina, May 1994.

"Brain and Facial Trauma". Congreso Centroamericano de Radiologia. Managua, Nicaragua, December 1993.

- "Imaging of thoracic emergencies". Congreso Centroamericano de Radiologia. Managua, Nicaragua, December 1993.
- "Radiologic anatomy of the face and paranasal sinuses ". Congreso Centroamericano de Radiologia. Managua, Nicaragua, December 1993.
- "Inflammatory diseases of the CNS ". Congreso Centroamericano de Radiologia. Managua, Nicaragua, December 1993.
- "Brain tumors". Congreso Centroamericano de Radiologia. Managua, Nicaragua, December 1993.
- "Radiologia Intervencionista en Trauma: Aplicaciones Vasculares y No Vasculares. Curso de Imagenologia en Español: Miami 1993. Miami, FL, June 1993.
- "Interventions in the Chest and Abdomen". Congress of Radiology, Sao Paulo, Brazil, April 1991.
- "Interventional CT and US of the Abdomen". Review Course in Diagnostic Imaging, Cordoba, Argentina, May 1990.
- "Pulmonary Nodule: Imaging Guided biopsies". Review Course in Diagnostic Imaging, Cordoba, Argentina, May 1990.
- "The Thoracic Wall". Review Course in Diagnostic Imaging, Cordoba, Argentina, May 1990.
- "The Pulmonary Nodule". Interamerican Congress of Radiology, Caracas, Venezuela, February 1990.
- "Radiology of Urinary Infections". Radiology Seminar, San Juan, Puerto Rico, May 1989.
- "Radiology of Hematuria". Radiology Seminar, San Juan, PR, May 1989
- "Renal and Peripheral Angioplasty". Radiology Review Course, Quito, Ecuador, November 1988.
- "Transcatheter Angioplasty". Radiology Review Course, Quito, Ecuador, November 1988.
- "CT Guided Biopsies". Radiology Review Course, Quito, Ecuador, November 1988.
- "Hepatobiliary Interventions". Radiology Review Course, Quito, Ecuador, November 1988.

"Transrenal Interventions". Radiology Review Course, Quito, Ecuador, November 1988.

"Thoracic Interventional Radiology". International Congress of Radiology of the Radiological Society of Peru, Lima, Peru, November 1988.

"Interventional Ultrasound". International Congress of Radiology of the Radiological Society of Peru, Lima, Peru, November 1988.

"Interventional Computed Tomography". International Congress of Radiology of the Radiological Society of Peru, Lima, Peru, November 1988.

"Interventional Techniques in Hepato-Biliary Diseases". International Congress of Radiology of the Radiological Society of Peru, Lima, Peru, November 1988.

"Interventional CT: Chest Lesions". Postgraduate Course of the Interamerican Congress of Radiology and Mt. Sinai Medical Center, Miami, FL, April 1988.

"Interventional US: Abscess Drainage". Postgraduate Course of the Interamerican Congress of Radiology and Mt. Sinai Medical Center, Miami, FL, April 1988.

"The Radiologist as a Consultant". I Venezuelan Congress of Radiology, Maracaibo, Venezuela, October 1987.

"Renal Interventions". I Venezuelan Congress of Radiology, Maracaibo, Venezuela, October 1987.

"CT of the GI Tract". I Venezuelan Congress of Radiology, Maracaibo, Venezuela, October 1987.

"Abscess Drainage". VIII Congress of Gastroenterology, Pto. Ordaz, Venezuela, October 1987.

"Linear and Computed Tomography in Pulmonary Diseases". Review Course in Diagnostic Imaging, Tucuman, Argentina, May 1987.

"Interventional G.I. Radiology". Review Course in Diagnostic Imaging, Tucuman, Argentina, May 1987.

"CT of the GI Tract". Review Course in Diagnostic Imaging, Tucuman, Argentina, May 1987.

"Mediastinal CT". Review Course in Diagnostic Imaging, Tucuman, Argentina, May 1987.

"Complications in Biliary Interventions". Refresher Course of the American Roentgen Ray Society 87<sup>th</sup> Annual Meeting ARRS, Miami, FL, May 1987.

"Complications in Interventional Radiology". Postgraduate Course of Interamerican College of Radiology and Mt. Sinai Medical Center, Miami, FL, April 1987.

"G.I. Interventions". Postgraduate Course of Interamerican College of Radiology and Mt. Sinai Medical Center, Miami, FL, April 1987.

"CT of the GI Tract". Postgraduate Course of Interamerican College of Radiology and Mt. Sinai Medical Center, Miami, FL, April 1987.

"Transthoracic Guided Biopsies". Pan-American Congress of Chest Diseases, Caracas, Venezuela, January 1987.

"Transthoracic Guided Biopsies". Pan-American Congress of Chest Diseases, Caracas, Venezuela, January 1987.

"The Work Up of Renal Masses". XI Congress of Urology, Barquisimeto, Venezuela, November 1986.

"Interventional Ultrasound". XIV Interamerican College of Radiology Congress, Buenos Aires, Argentina, October 1986.

"Selected Topics in G.I. Interventions". XIV Interamerican College of Radiology Congress, Buenos Aires, Argentina, October 1986.

"G.I. Bleeding: Diagnosis and Management". XIV Interamerican College of Radiology Congress, Buenos Aires, Argentina, October 1986.

"Transrenal Interventions". XIV Interamerican College of Radiology Congress Buenos Aires, Argentina, October 1986.

"Diagnosis and Management of Pancreatic Fluid Collections, Radiology of Hepatobiliary Diseases: Imaging and Intervention". University of Miami School of Medicine, Miami, FL April 1986.

"Interventional Ultrasound". III Congress of Ultrasonography, Caracas, Venezuela, March 1986.

"Gallbladder Imaging". Postgraduate Course of the Interamerican College of Radiology and Mt. Sinai Medical Center, Miami, FL, March 1986.

"Refresher Course: Diagnosis and Management of Abdominal Fluid Collections". Postgraduate Course of the Interamerican College of Radiology and Mt. Sinai Medical Center, Miami, FL, March 1986.

"Interventional Radiology of the G.U. Tract". Postgraduate Course of the Interamerican College of Radiology and Mt. Sinai Medical Center, Miami, FL, March 1986.

"Imaging Guided Biopsies". Radiological Society of Dominican Republic, Dominican Republic, March 1986.

"Hepatic Imaging". Radiological Society of Dominican Republic, Dominican Republic, March 1986.

"CT of the Mediastinum". Radiological Society of Dominican Republic, Dominican Republic, March 1986.

"Interventional Radiology of the G.U. Tract". Radiology Update: 1986. Tulane University School of Medicine, New Orleans, LA February 1986.

"Radiological Management of Abscesses". Quito, Ecuador, September 1985.

"CT and US in Space Occupying Lesions of the Liver". Quito, Ecuador, September, 1985.

"Percutaneous Guided Biopsy International Course of Diagnostic Imaging". Quito, Ecuador, September 1985.

"Abdominal Biopsies Guided by CT and US Radiology". 1985 Postgraduate Course of the Colombian Radiological Society, Cartagena, Colombia, May 1985.

"G.U. Interventions". Postgraduate Course of the Colombian Radiological Society, Cartagena, Colombia, May 1985.

"Radiology of Hepatic Disease". Radiology Board Review Course of the University of Miami School of Medicine, Miami, FL, May 1985.

"Percutaneous Management of Abdominal Masses and Fluid Collections". Postgraduate Course of the Interamerican College of Radiology and Mt. Sinai Medical Center, Miami, FL, April 1985.

"Radiology of Abdominal Trauma". Postgraduate Course of the Interamerican College of Radiology and Mt. Sinai Medical Center, Miami, FL, April 1985.

"The Radiologist's Role in Endourologic Procedures". Adult and Pediatric Postgraduate Course of the Department of Urology, University of Miami School of Medicine, Miami, FL, January 1985.

"Renal CT". Postgraduate Course of the Interamerican College of Radiology, Mexico, September 1983.

"Lymphoma: Radiological Spectrum". Postgraduate Course of the Interamerican College of Radiology and Mt. Sinai Medical Center, Miami Beach, FL, April 1983.

"Radiologia del Pancreas". Postgraduate Course of the XVI Congreso Nacional de Radiologia, Madrid, Spain, September 1982.

"CT and Biopsy in Pancreatic Carcinoma". Postgraduate Course of the Interamerican College of Radiology and Mt. Sinai Medical Center, Miami Beach, FL, April 1982.

"Pancreatitis". Postgraduate Course of the Interamerican College of Radiology and Mt. Sinai Medical Center, Miami Beach, FL, April 1982

#### **Scientific Papers:**

"Computed Tomography and Fluoroscopy-guided sacroplasty for pain relief in patients with sacral insufficiency fractures"  
Weissman A, Berkmen T, Gonzalez Aldo, **Nunez Jr. D.** Presented at RSNA Chicago IL, Dec 2005

"Renal Ultrasound in the ER for acute renal failure": Hilchey SD, Ledbetter MS, Benson CB, **Nunez Jr. D**  
Presented at 12 Annual Meeting-American Society of Emergency Radiology, San Francisco CA, March 2001

"Thyroid dose estimates in routine screening for suspected cervical spine injury: a comparison between helical CT of the entire cervical spine and a radiographic trauma series" Rybicki FJ, Nawfel RD, Ledbetter MS, **Nunez Jr D**  
Presented at RSNA, Chicago, IL. November 2000

"Are the trauma cervical spine radiographs necessary when helical CT is routine?"  
Rybicki FJ, Knoll B, McKenney K, **Nunez Jr D**  
Presented at American Society of Emergency Radiology, Orlando, FL. April 2000

"An ultrasound hemoperitoneum score predicts the need for laparotomy in blunt trauma". McKenney KL, McKenney MG, **Nuñez Jr. D.** Presented at American Society of Emergency Radiology, Las Vegas, Nevada, March 1999.

"The feasibility of non-enhanced Helical Computed Tomography in the assessment of acute flank pain". Broder J, **Nuñez Jr. D.** Presented at Resident Day University of Miami School of Medicine, Miami, Florida, June 20<sup>th</sup>, 1998.

"Initial imaging assessment of the traumatized cervical spine: do we need anterior/posterior and atlanto axial views with routine use of Helical CT. Knoll B, **Nuñez D.** Presented at Fellows Week, University of Miami School of Medicine, Miami, Florida, June 1998.

"Direct versus Indirect Signs of Traumatic Aortic Injury Revealed by Helical CT: Performance characteristics and interobserver agreement". Fishman JE, **Nuñez D,** Kane A, Rivas LA, Jacobs WE. Presented at the American Roentgen Society Meeting, May 1998.

"Helical CT of vascular injuries". Whittick W, **Nuñez Jr. D.** Presented at the 20<sup>th</sup> Annual Radiology Residence day meeting, Miami, Florida, June 1997.

"Helical CT angiography in penetrating injuries to the neck". LeBlang SD, **Nuñez Jr. D.** Presented at the 20<sup>th</sup> Annual Radiology Residence day meeting, Miami, Florida, June 1997.

"Helical CT angiography in penetrating neck injuries". LeBlang SD, **Nuñez Jr. D.** Presented at the Annual Meeting American Society of Emergency Radiology, New Orleans, LA, March 1997.

"Spiral CT of ureteral pelvic junction obstruction". Amendola MA, Lebeille R, **Nuñez Jr. D.** Presented at the RSNA 82<sup>nd</sup> Annual Meeting, Chicago, Illinois, November 1996.

"Ultrasound as the primary screening modality in blunt abdominal trauma". McKenney KL, McKenney MG, **Nuñez Jr. D.** Presented at the RSNA 82<sup>nd</sup> Annual Meeting, Chicago, Illinois, November 1996

"CT cystography in the diagnosis of bladder rupture". Ruiz G, Rivas L, **Nuñez Jr. D.** Presented at the Annual Fellows day meeting, Miami, Florida, May, 1996.

"The value hepatic angiography and embolization in the treatment of liver injury". Youngman V, **Nuñez Jr. D.** Presented at the Annual Fellows day meeting, Miami, Florida, May 1996.

"Helical CT of the cervical spine: how many fractures are we missing". Presented at the Annual Meeting of the American Society of Emergency Radiology, Orlando, Florida, April 1996.

"Cost reduction using Ultrasound in blunt abdominal trauma". McKenney KL, McKenney MG, **Nuñez Jr. D.** Presented at the Annual Meeting of the American Society of Emergency Radiology, Orlando, Florida, April 1996.

"Helical CT in penetrating neck trauma" Franca E, **Nuñez Jr. D.** Presented at the 18th Annual Radiology Residents Day Meeting, Miami FL., June 1995

"Helical CT in the evaluation of blunt Thoracic Trauma" Jacobs W, Fishman J, **Nuñez Jr. D.** Presented at the 18th Annual Radiology Residents Day Meeting, Miami FL, June 1995

"Color doppler imaging in penetrating neck trauma". LeBlang S, Montalvo B, **Nuñez Jr. D,** Kochan J, Becerra JL, Ginzburg E. Presented at the American Society of Emergency Radiology in Scottsdale, Arizona, March 1995.

"Ultrasound: Test of choice in blunt abdominal trauma". McKenney M, Najjar R, Lentz KA, Martin L, Sleeman D, Lopez C, Sosa J, Kirton O, **Nuñez Jr. D.** Presented at the 8th Scientific Assembly of the Eastern Association for the Surgery of Trauma. Sanibel, Florida January, 1995.

"Contribution of CT in penetrating neck trauma". LeBlang S, **Nuñez Jr. D,** Serafini A, Post J, Montalvo B, Becerra JL. Presented at the ASER, Scottsdale, Arizona, March 1995.

"Initial sonographic assessment of blunt abdominal trauma". McKenney M, Lentz KA, **Nuñez Jr. D,** Sosa JL, Martin L, Axelrod A, Kirton O, Sleeman D, Oldham C: Presented at the Western Trauma Association, Crested Butte, Colorado, March 1994.

"Helical CT of the abdomen: Proposed scanning protocol for trauma patients". **Nuñez Jr. D,** Wester J, Lentz KA, Alvarez RT. Presented at the ASER, Arizona, March 1995.

"Interpreting the trauma ultrasound: Observations in 62 positive cases". Lentz KA, McKenney M, McDowell L, **Nuñez Jr. D.** Presented at the ASER in Scottsdale, Arizona, March 1995.

"A new approach for the diagnostic work-up of penetrating neck trauma". LeBlang S, **Nuñez Jr. D,** Montalvo B. Presented at the 17th Annual Radiology Residents Day, December 1994.



"Plain films versus spiral CT in evaluation of cervical spinal injuries". Ahmad A, **Nuñez Jr. D**, Coin CG. Presented at the 17th Annual Radiology Residents Day, December 1994.

"CT of the neck in penetrating trauma: predictive value for vascular injury." LeBlang SD, **Nuñez Jr. D**, Post JD, Serafini A, Montalvo BM, et. al. presented at the RSNA 80th Annual Meeting, Chicago, IL, November 1994.

"Cervical spine injury in multiple trauma victims: value of spiral CT as a screening modality." **Nuñez Jr. D**, Ahmad A, Coin CG, Becerra JL, Lentz KA, Quencer RM presented at the ASNR Annual Meeting, Nashville, TN, May 1994.

"Color doppler imaging in penetrating neck trauma." Montalvo B, LeBlang SD, **Nuñez Jr. D**, Becerra JL, Kochan J, et. al. presented at the ASNR Annual Meeting, Nashville, TN, May 1994.

"Clearing the cervical spine injury in multiple trauma victims: a time effective protocol using spiral CT." **Nuñez Jr. D**, Ahmad A, Coin CG, Becerra JL, Henry R presented at the 5th annual Meeting of the ASER, Orlando, FL, April 1994.

"Color doppler imaging in traumatic neck injuries." Montalvo B, LeBlang SD, **Nuñez Jr. D**, Becerra JL, Kochan J, et. al. presented at the American Institute of Ultrasound in Medicine 38<sup>th</sup> Annual Convention, Baltimore, MD, March 1994

"Can ultrasound replace diagnostic peritoneal lavage in blunt abdominal trauma." Lentz K, McKenney M, **Nuñez Jr. D**, Axelrod A, Kirton MO, et. al. presented at the RSNA 79<sup>th</sup> Annual meeting, Chicago, IL, November 1993.

"Scoutview digital radiography of pelvic fractures." Coin CG, LeBlang S, **Nuñez Jr. D**, Becerra JL, Henry R, et. al. presented at the RSNA 79<sup>th</sup> Annual meeting, Chicago, IL, November 1993.

"Plain films versus spiral computed tomography in the evaluation of cervical spine injuries." Coin CG, Ahmad AA, Becerra JL, **Nuñez Jr. D**, Soto RF, et. al. presented at the RSNA 79<sup>th</sup> Annual Meeting, Chicago, IL, November 1993.

"Spiral CT of the cervical spine: primary role in multiple trauma patients." **Nuñez Jr. D**, Ahmad AA, Coin CG, Becerra JL, Quencer R presented at the RSNA 79<sup>th</sup> Annual meeting, Chicago, IL, November 1993.

"Neurointerventional therapy of the vertebral artery after traumatic occlusion". Becerra JL, Kochan J, **Nuñez Jr. D**, DePrima S, Coin CG, et. al. presented at the ASER 4<sup>th</sup> Annual Meeting. San Diego, CA, March 1993. ASNR Annual Meeting, Vancouver, CA, May 1993.

"Scoutview digital radiography in evaluation of trauma patients." Coin CG, LeBlang S, Becerra JL, **Nuñez Jr. D**, Henry R presented at the ASER 4<sup>th</sup> Annual Meeting, San Diego, CA, March 1993.

"Proposals for post residency training in emergency radiology". **Nuñez Jr. D**, Oldham SA, Quencer R presented at the ASER 4<sup>th</sup> Annual Meeting, San Diego, CA, March 1993.

"Trauma patients: are plain films sufficient to clear the cervical spine?" Coin CG, Ahmad A, Becerra JL, **Nuñez Jr. D**, Henry R presented at the ASER 4<sup>th</sup> Annual Meeting, San Diego, CA, March 1993.

"Ultrasound Evaluation of the Traumatized Abdomen". Lentz K, **Nuñez Jr. D** presented at the Radiology Residents' Day Scientific Program, University of Miami School of Medicine, Miami, FL, December 1992. "Best Paper Award".

"Interventional radiology in retroperitoneal trauma. **Nuñez Jr. D** presented at the Interamerican College of Radiology Congress, Rio de Janeiro, Brazil, November 4-7, 1992.

"Imaging guided drainage of abdominal post traumatic hematomas". Mendez K, Casillas VJ, Montalvo BM, Yrizarry JM, **Nuñez Jr. D** presented at the 78<sup>th</sup> Scientific Assembly RSNA, Chicago, Illinois, November 1992.

"The radiologist in the emergency department". **Nuñez Jr. D** presented at the Interamerican College of Radiology Congress, Rio de Janeiro, Brazil, November 4-7, 1992.

"Percutaneous management of appendiceal abscesses". **Nuñez Jr. D**, Yrizarry JM, Casillas VJ presented at the International Congress of Radiology, Paris, France, July 1989.

"Liver abscesses: surgical or radiological management?". Al-Refai F, **Nuñez Jr. D**, Yrizarry JM, Russell E presented at the 71<sup>st</sup> Annual Scientific Assembly of the Radiological Society of North America, Chicago, IL, November 17-22, 1985.

"Percutaneous transjejunal biliary dilatation: alternate management for benign strictures". Russell E, **Nuñez Jr. D**, Huber JS, Yrizarry JM, Hutson DG, Williams A presented at the 71<sup>st</sup> Annual Scientific Assembly of the Radiological Society of North America, Chicago, IL, November 17-22, 1985.

"Percutaneous management of upper abdominal fluid collection". **Nuñez Jr. D**, Yrizarry JM presented at the International Congress of Radiology". Hawaii, July 1985.

"Percutaneous nephrostomy: technical considerations and redefinition's for current applications". Marti A, **Nuñez Jr. D**, Lynne C presented at the Seventh Annual Residents Day, University of Miami/Jackson Memorial Medical Center, Miami, FL, May 1984. "Best Paper Award".

"Computed tomography of the psoas muscle". **Nuñez Jr. D**, Malave S, Leon E presented at the International Course and Symposium of Computed Tomography, Harvard Medical School, Las Vegas, NV, April 1980

"Pediatric angiography". **Nuñez Jr. D** presented at the Radiological Special Procedures Seminar, University of Miami School of Medicine, Miami, FL, March 1977.

"Retrieval techniques". **Nuñez Jr. D** presented at the Radiological Special Procedures Seminar, University of Miami School of Medicine, Miami, FL, March 1977.

"Tc pertechnetate vs. Tc DTPA in cerebral scintigraphy". **Nuñez Jr. D**, Shapiro R presented at the Interamerican Congress of Neuroradiology, Caracas, Venezuela, October 1975.

#### **Scientific Exhibits:**

Gonzalez-Beicos A, Fung AW, Sanchez M, **Nuñez Jr D**. Trauma to the ankylotic spine: Imaging spectrum of vertebral and soft tissue injuries. Exhibited at the Radiological Society of North America, Chicago IL, Dec 2005

Rao, S, Wasyliw C, **Nunez Jr. D**. Spectrum of Imaging findings in Hyperextension Injuries of the Neck. Exhibited at the Radiological Society of North America, Chicago IL, Dec 2003

Torres-Leon M, Munera F, **Nunez Jr. D** Vascular injuries of the neck and thoracic inlet: Helical CT/angiographic correlations. Exhibited at the Radiological Society of North America, Chicago,IL, Dec. 2002

Broder JD, **Nuñez Jr. D**. Spiral CT in trauma, indications and contributions to case management. Exhibited at the Radiological Society of North America Annual Meeting, Chicago, IL, November 1996.

Zuluaga A, **Nuñez Jr. D**, Fuentes D, Rivas L. Cervical Spine trauma series: How much do we learn by routinely using helical CT?. Exhibited at the Radiological Society of North America Annual Meeting, Chicago IL, November 1995.

Schill S, Kiszonas R, **Nuñez Jr. D** The widened dense mediastinum. Exhibited at the Radiological Society of North America Annual Meeting, Chicago IL, November 1995.

Fuentes-Bernardo DA, **Nuñez Jr. D**. Evaluation of intestinal and mesenteric injury following abdominal trauma: Usefulness and findings in CT. Exhibited at the American Roentgen Ray Society, Washington DC, May 1995.

Christoph CL, Posos G, Mata M, Kane-Takenfeld A, **Nuñez Jr. D**. Computed tomography of pediatric abdominal trauma. Exhibited at the American Roentgen Ray Society, Washington DC May 1995.

Gomez-Jorge J, **Nuñez Jr. D**, Lentz KA, Becerra JL, Henry RP.: "Trauma related abscesses and fluid collections: the value of imaging guided percutaneous interventions". Exhibited at the 80th Annual Meeting of the RSNA, Chicago, IL, November 1994.

LeBlang SD, Serafini A, **Nuñez Jr. D**, Montalvo BM, Post JD, et. al.: "The contribution of CT in penetrating neck injuries". Exhibited at the 80th Annual Meeting of the RSNA, Chicago, IL, November 1994.

Jacobs WE, Ahmad AA, Rivas L, **Nuñez Jr. D**: "The role of helical CT in the evaluation of traumatic vascular injury". Exhibited at 80th Annual Meeting of the RSNA, Chicago, IL, November 1994.

**Nuñez Jr. D**, Gómez-Jorge JT, Mendez KR, Lentz KA, Becerra JL, et. al.: "Posttraumatic angiography: spectrum of lesions treated with transcatheter interventions". Exhibited at the 80th Annual Meeting of the RSNA, Chicago, IL, November 1994.

Wester DJ, **Nuñez Jr. D**, Lentz KA, Martin LC: "Non operative management of liver lacerations: CT observations". Exhibited at the 80th Annual Meeting of the RSNA, Chicago, IL, November 1994.

LeBlang, Montalvo B, **Nuñez Jr. D**, Becerra JL, Kochan J, et. al.: Color doppler imaging in penetrating neck trauma. Exhibited at the ASNR 1994 Annual Meeting, Nashville, TN, May 1994.

LeBlang SD, Montalvo B, **Nuñez Jr. D**, Becerra JL, Kochan J, et. al.: "Color Doppler Imaging in Traumatic Neck Injuries." Exhibited at the Radiological Society of North America. Chicago, IL, 1993. Certificate of Merit Award RSNA

1993 Selected Scientific Winning Exhibit as a CD-ROM Supplement to Radiographics.

Ahmad AA, **Nuñez Jr. D**, Soto R, Echnique A, Montalvo B: "Spiral CT in the Evaluation of Blunt Abdominal Trauma." Exhibited at the Radiological Society of North America. Chicago, IL, 1993.

LeBlang SD, **Nuñez Jr. D**, Montalvo B, Lentz K, Becerra JL, et. al.: "Trauma center ultrasonography: newer applications impacting on case management." Exhibited at the Radiological Society of North America. Chicago, IL, 1993.

Ahmad AA, Coin CG, Soto RF, Echnique A, **Nuñez Jr. D**, et. al.: "Evaluation of Cervical Spine Injuries in Trauma Patients: Usefulness and Limitations of Plain Films, Conventional and Spiral Computed Tomography. Exhibited at the Radiological Society of North America. Chicago, IL, 1993.

Beerman R, **Nuñez Jr. D**: "Radiographic Evaluation of the Cocaine Smuggler." Exhibited at the Annual Roentgen Ray Society Meeting. Boston, MA, 1985.

Russell E, **Nuñez Jr. D**, Yrizarry J: "The Anatomical Aspects of Knee Arthrography." Exhibited at the Radiological Society of North America. Chicago, IL, 1978.

**Nuñez Jr. D**, Russell E, Yrizarry J: "Portosystemic Collaterals." Exhibited at the Special Procedures Seminar, Department of Radiology, University of Miami School of Medicine. Miami, FL, 1977.

## VI. TEACHING

### **27. Teaching Awards Received:**

"Best Teacher Award" Department of Radiology, Universidad Central de Venezuela Medical School - 1987.

"Best Teacher Award" Department of Radiology Hospital of St Raphael, Yale Medical School, 2005

### **28. Teaching Specialization:**

#### 1. Undergraduate:

- a) Emergency Radiology Course to Junior Medical Students: 1 week/year consistent of plenary lectures and practical sessions (1992-1999).

b) Trauma Radiology Course - to Senior Medical Students on weekly sessions of 1 1/2 hours in the Department of Radiology at University of Miami (1996-1999).

2. Graduate:

Daily Emergency Radiology and NeuroRadiology case review and discussion with Radiology Residents at University of Miami (1992-1999), Brigham & Women Hospital (1999-2001) and Hospital of St Raphael (2001 to present)

3. Housestaff:

Daily reviews and case discussions in Neuroradiology, Head and Neck and Emergency Radiology

**29. Thesis and Dissertation Advising:**

Advisor to senior scientific projects of graduating Radiology Residents and Fellows:

Lectures series in Neuroradiology and Head and Neck Radiology to Residents and Fellows of the Yale affiliated Radiology Programs (2001 to present)

*Advisees and trainees at Hospital of St. Raphael:* Mario Torres Leon, Sameet Rao, Christopher Wasyliw, Charles Lesh (2003-2005)

*Advisees and trainees at Brigham and Women's Hospital:* Brian Hu, Peter Halt, Sean Hilchey and Frank Rybicki (1999-2001)

*Advisees and trainees at University of Miami Medical Center:*

Steve Christie- Routine Subdural Windows in Brain CT examinations: Are they necessary? June 1999.

Al Rivera- Angiographic management of liver injuries, June 1999

Jon Broder – Helical CT in the Evaluation of Renal Colic, June 1998.

Barbara Knoll – Do we need the AP views to clear the cervical spine when using helical CT routinely? June 1998

Wendy Whittick, MD, “Helical CT of vascular injuries” June 1997.

Suzanne D. LeBlang, MD, "Helical CT angiography in penetrating neck injuries" June 1997.

Graciela Ruiz, MD, "CT Cystography in the Evaluation of Bladder Rupture" June 1996.

Sergio L. Selva, MD, "Transcatheter Embolization in Splenic Trauma" June 1996

Vicky Youngman, DO, "Transcatheter Embolization of Traumatic Hepatic Arterial Injuries" May, 1996.

Felipe Munera, MD, "Low Suspicion Gun Shot Wound to the Abdomen: Is there a Role for CT?" May, 1996.

Wayne Jacobs, M.D., "Helical CT in the evaluation of aortic injuries" June, 1995.

Ed Franca, M.D., "Helical CT angiography in the evaluation of penetrating neck injuries" June, 1995.

Susan LeBlang, M.D., "A new approach for the diagnostic work-up of penetrating neck trauma" 1994. (Best paper award)

Adel Ahmad, M.D., "Plain film versus spiral CT in the evaluation of cervical spine injuries" 1994.

John Wester, M.D., "Nonoperative management of liver injuries: CT observations" 1994.

Kimberley Lentz, M.D., "Ultrasound evaluation of the traumatized abdomen" 1993. (Best paper award)

Alex Marti, M.D., "Percutaneous nephrostomy: technical considerations and re-definitions for current applications" 1984. (Best paper award)

## **VII SERVICE**

### **30. University Committee and Administrative Responsibilities:**

Capital Budget Committee Co-Chair, Hospital of St Raphael, 2003 to present

Graduate Medical Education Committee, Hospital of St Raphael.  
Jan 2003 to present.

Emergency Department Physician Advisory Committee.  
Hospital of St. Raphael. 2002-2004

PACS and Radiology Informatics Committee. Hospital of St Raphael. 2002

Emergency Medicine Chair Search Committee. Hospital of St Raphael 2004

Director of Postgraduate Education- Department of Radiology Brigham and  
Women's Hospital, Feb- Sept. 2001

Technical Operations Committee Department of Radiology Brigham and Women's  
Hospital, 1999

Trauma Quality Management Committee- Brigham and Women's  
Hospital, 1999

Emergency Services Steering Committee, Jackson Memorial Hospital, 1998

Resident Selection Committee. Department of Radiology, University of Miami  
School of Medicine, 1992, 1994, 1996.

Member - Medical School Curriculum Committee, 1996-1999.

Coordinator - Educational Programs and Fellowships for Visiting Radiologists  
Department of Radiology University of Miami/Jackson Memorial Medical Center,  
1994-1998

International Health Center University of Miami/JMH 1996

United States Department of Transportation Multidisciplinary Crash Study  
Committee. Ryder Trauma Center - Jackson Memorial Medical Center, 1993.

Coordinator of Radiology Grand Rounds. University of Miami School of Medicine,  
1993-1999.

Emergency Care Center Quality Assurance Committee. Jackson Memorial Medical  
Center, 1992-1999.

Trauma Quality Management Committee. Ryder Trauma Center - Jackson Memorial  
Medical Center, 1992-1999.



## Annamarie C. Rose, RT (R) (MR)

2641 Long Hill Road  
Guilford, CT 06437  
Home (203) 457-9880

Office (203) 789-4120  
acrose@srhs.org

Administrator Manager with 24 years of progressive management experience in an aggressive free standing out patient Magnetic Resonance Imaging Facility.

### PROFESSIONAL EXPERIENCE

#### Saint Raphael Magnetic Resonance Center New Haven, Connecticut

Saint Raphael Magnetic Resonance Center is a free standing out patient MRI facility performing 9,400 MRI procedures per year. SRMRC houses two super-conducting 1.5 Tesla and 3.0 Tesla magnets that provide MRI services for inpatients and outpatients residing in the New Haven County and neighboring towns, staffs 20 employees and 15 radiologists.

#### Administrator Manager, (1988-present)

- Responsible for the development of the strategic plan and annual implementation plan.
- Responsible for a staff of 16 employees including but not limited to clerical and technological staff scheduling, employee evaluations.
- Development of an ongoing Quality Assurance Program, SRMRC Compliance Program, SRMRC HIPPA Compliance Manual and Risk Management.
- Designed, implemented and oversees all aspects of insurance/patient billing practices.
- Implementing new developments in the clinical setting for MR imaging.
- Development, revisions, creating and maintaining protocols for new applications development: including cardiac, spectroscopy, breast, MR Angiography, Diffuison and perfusion.
- Liaison between staff, physicians, upper management and referring physicians.
- Responsible for purchasing medial imaging and patient medical equipment.
- Overseeing and coordinating the installation of the Siemens 1.5T Symphony, 3T Trio and department renovations.
- Coordinating all national medical supply and service contracting.
- Responsible for monthly computation of volume and finances.
- Responsible for annual preparation and presentation the Fiscal Year Proformas
- Responsible for all insurance contractible agreements.
- Demonstrating respect and regard for the dignity of all patient, family, visitors, and fellow employee to ensure a professional, responsive, and courteous environment.

#### Yale New Haven Hospital New Haven, Connecticut

#### Evening MRI Technologist Supervisor, MRI Department (1985-1988)

- Responsible for scheduling of MRI technologists
- Implemented new protocols
- Performing a wide variety of technical and professional tasks utilizing complex diagnostic imaging equipment in a quality and efficient manner.

- Demonstrating respect and regard for the dignity of all patient, family, visitors, and fellow employee to ensure a professional, responsive, and courteous environment.

Florence General Hospital  
Florence, South Carolina

CT Technologist Supervisor, CT Department (1980-1985)

- Overseeing the installation of the GE 8800 CT scanner, and developing scheduling guidelines with the department.
- Responsible for scheduling of CT technologists
- Implemented new protocols
- Performing a wide variety of technical and professional tasks utilizing complex diagnostic imaging equipment in a quality and efficient manner.
- Demonstrating respect and regard for the dignity of all patient, family, visitors, and fellow employee to ensure a professional, responsive, and courteous environment.

Quinnipiac College  
Hamden, Connecticut

Clinical Instructor for MRI Imaging (1992-1994)

- Clinical Instructor to the Senior classes on the clinical and applications of MRI imaging

**EDUCATION**

GE Milwaukee MRI clinical training, 1988

South Central Community College, AS Radiological Sciences, 1979

Yale New Haven Hospital, Clinical Certificate, Radiological Sciences, 1979

Hamden High School, 1977

**PROFESSIONAL ACCREDITATIONS**

ARRT (RT) 1979 - Present

ARRT (MR) 1994 - Present

Connecticut State Licenses 1994 - Present

**MEMBERSHIPS**

ASRT 1995 - Present

MRMS 1994 - Present

ISMRI 1988 - Present

**ATTACHMENT C**  
**ACR CERTIFICATES FOR SRMRC**



# American College of Radiology

Magnetic Resonance Imaging Services of

**Saint Raphael Magnetic Resonance Center**

**330 Orchard Street  
New Haven, Connecticut 06511**

were surveyed by the  
Committee on MRI Accreditation of the  
Commission on Quality and Safety

The following magnet was approved

**Siemens SYMPHONY 1999**

For

**Head, Spine, Body, MSK, MRA, Cardiac**

Accredited from:

**July 30, 2010 through July 30, 2013**

A handwritten signature in black ink, appearing to read "Chad R. ...", positioned above a horizontal line.

CHAIRMAN, COMMITTEE ON MRI ACCREDITATION

A handwritten signature in black ink, appearing to read "James H. ...", positioned above a horizontal line.

PRESIDENT, AMERICAN COLLEGE OF RADIOLOGY



**American College of Radiology**  
**Magnetic Resonance Imaging Services of**

**Saint Raphael Magnetic Resonance Center**

**330 Orchard Street**  
**New Haven, Connecticut 06511**

were surveyed by the  
 Committee on MRI Accreditation of the  
 Commission on Quality and Safety

The following magnet was approved

**Siemens TRIO 2003**

For

**Head, Spine, Body, MSK, MRA**

Accredited from:

**August 25, 2010 through July 30, 2013**

A handwritten signature in black ink, appearing to be "Chas. P. ...", written over a horizontal line.

CHAIRMAN, COMMITTEE ON MRI ACCREDITATION

A handwritten signature in black ink, appearing to be "James H. ...", written over a horizontal line.

PRESIDENT, AMERICAN COLLEGE OF RADIOLOGY

**ATTACHMENT D**  
**SRMRC INTERNAL FINANCIAL STATEMENTS**

Saint Raphael Magnetic Resonance Center  
Balance Sheet  
FY 2011

Balance Sheet	<u>Sep 30, 11</u>
<b>TOTAL ASSETS</b>	<u><b>4,904,874.20</b></u>
<b>LIABILITIES &amp; EQUITY</b>	
Total Liabilities	<u>517,280.88</u>
Total Equity	<u>4,387,593.32</u>
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<u><b>4,904,874.20</b></u>

**Saint Raphael Magnetic Resonance Center  
Income Statement  
FY 2011**

**Total Facility:**

**FY 2011**

**GROSS PATIENT REVENUE**

Non-Government	\$8,709,011
Medicare	3,538,036
Medicaid and Other Medical Assistance	1,224,705
Other Government	136,078
Total Net Patient Patient Revenue	<u>13,607,830</u>

Other Operating Revenue	(23,678)
Revenue from Operations	<u>13,584,152</u>

**OPERATING EXPENSES**

Salaries and Fringe Benefits	1,218,512
Professional / Contracted Services/ Other	2,661,615
Supplies and Drugs	262,657
Bad Debts/Contractual Allowances	6,837,837
Other Operating Expense	-
Subtotal	<u>10,980,621</u>
Depreciation/Amortization	293,597
Interest Expense	13,923
Lease Expense	
Total Operating Expense	<u>11,288,141</u>

Gain/(Loss) from Operations	<u>2,296,011</u>
-----------------------------	------------------

Plus: Non-Operating Revenue	10,223
Revenue Over/(Under) Expense	<u>\$2,306,234</u>



**ATTACHMENT E**  
**FINANCIAL ATTACHMENT I AND ASSUMPTIONS**

**Saint Raphael Magnetic Resonance Center**

12. C (f). Please provide one year of actual results and three years of projections of **Total Facility** revenue, expense and volume statistics without, incremental to and with the CON proposal in the following reporting format.

Description	FY 2011		FY 2012		FY 2013		FY 2014		FY 2015		FY 2016	
	Actual Results	Projected W/out CON	Projected W/out CON	Projected Incremental	Projected W/out CON	Projected Incremental	Projected W/out CON	Projected Incremental	Projected W/out CON	Projected Incremental	Projected W/out CON	Projected With CON
<b>GROSS PATIENT REVENUE</b>												
Non-Government	\$8,709,011	\$8,780,947	\$8,780,947	\$0	\$8,796,101	\$187,200	\$8,983,301	\$8,972,023	\$9,241,184	\$117,000	\$9,358,184	
Medicare	3,538,036	3,567,260	3,567,260	-	3,573,416	-	3,573,416	3,644,885	3,754,231	-	3,754,231	
Medicaid and Other Medical Assistance	1,224,705	1,234,821	1,234,821	-	1,236,952	-	1,236,952	1,261,691	1,286,925	-	1,286,925	
Other Government	136,078	137,202	137,202	-	137,439	-	137,439	140,188	142,991	-	142,991	
Total Net Patient Patient Revenue	13,607,830	13,720,230	13,720,230	-	13,743,908	187,200	13,931,108	14,018,786	14,425,331	117,000	14,542,331	
Other Operating Revenue	(23,678)	(23,678)	(23,678)	-	(23,678)	-	(23,678)	14,018,786	14,425,331	117,000	14,542,331	
Revenue from Operations	13,584,152	13,696,552	13,696,552	-	13,720,230	187,200	13,931,108	14,018,786	14,425,331	117,000	14,542,331	
<b>OPERATING EXPENSES</b>												
Salaries and Fringe Benefits	1,218,512	1,230,697	1,230,697	-	1,248,975	18,735	1,267,709	1,280,199	1,312,204	11,547	1,323,752	
Professional / Contracted Services/ Other	2,661,615	2,688,231	2,688,231	-	2,714,847	40,723	2,755,570	2,782,718	2,852,286	25,100	2,877,387	
Supplies and Drugs	262,657	265,284	265,284	-	265,284	3,979	269,263	271,916	278,714	2,453	281,166	
Bad Debts/Contractual Allowances	6,837,837	6,906,215	6,906,215	-	6,906,215	-	6,906,215	7,078,871	7,255,843	-	7,255,843	
Other Operating Expense	-	-	-	-	-	-	-	-	-	-	-	
Subtotal	10,980,621	11,090,427	11,090,427	-	11,135,321	63,437	11,198,758	11,413,704	11,689,047	39,100	11,738,147	
Depreciation/Amortization	293,597	293,597	293,597	-	293,597	-	293,597	293,597	293,597	-	293,597	
Interest Expense	13,923	13,923	13,923	-	13,923	-	13,923	13,923	13,923	-	13,923	
Lease Expense	-	-	-	-	-	-	-	-	-	-	-	
Total Operating Expense	11,288,141	11,397,947	11,397,947	-	11,442,841	63,437	11,506,278	11,721,224	12,006,567	39,100	12,045,667	
Gain/(Loss) from Operations	2,299,011	2,298,605	2,298,605	-	2,277,389	123,763	2,424,831	2,297,562	2,418,765	77,900	2,496,664	
Plus: Non-Operating Revenue	10,223	10,223	10,223	-	10,223	-	10,223	10,223	10,223	-	10,223	
Revenue Over/(Under) Expense	\$2,309,234	\$2,308,828	\$2,308,828	\$0	\$2,287,612	\$123,763	\$2,435,054	\$2,307,785	\$2,428,988	\$77,900	\$2,506,687	
FTEs		12	12	0	12	0	12	13	14	0	14	
*Volume Statistics:												
Provide projected inpatient and/or outpatient statistics for any new services and provide actual and projected inpatient and/or outpatient statistics for any existing services which will change due to the proposal.		9,213	9,213	0	9,284	230	9,514	9,427	9,646	489	10,145	
MRI Scans												

**Assumptions:**

**Revenue:**  
Gross patient revenue provided as per SRMRC financials  
Revenue per scan assumed to remain flat.

**Expenses:**

Incremental expenses increase proportionally to incremental revenue  
Annual inflationary increases range between 1-2.5%/year.  
Bad Debt includes contractual allowances.

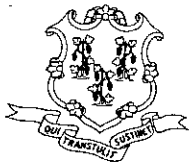
**ATTACHMENT F**  
**SRMRC CHARGES**

## SRMRC Charge Listing

CPT	DESCRIPTION	Charge
70336	<b>MRI - TEMPOROMANDIBULAR JOINT</b>	\$ 1,440.00
70540	<b>MRI-Orbi, face and neck w/o contrast</b>	\$ 1,420.00
70542	with contrast	\$ 1,795.00
70543	w/o and with contrast	\$ 2,215.00
70544	<b>MRA-Head w/o contrast</b>	\$ 1,395.00
70545	with contrast	\$ 1,725.00
70546	w/o and with contrast	\$ 2,160.00
70547	<b>MRA-Neck w/o contrast</b>	\$ 1,395.00
70548	with contrast	\$ 1,725.00
70549	w/o and with contrast	\$ 2,160.00
70551	<b>MRI-Brain w/o contrast</b>	\$ 1,440.00
70552	with contrast	\$ 1,820.00
70553	w/o and w/contrast	\$ 2,250.00
70554	<b>MRI-Brain , functional</b>	\$ 1,980.00
70555	requiring physician administration	\$ 2,270.00
71550	<b>MRI-Chest, without contrast</b>	\$ 1,440.00
71551	with contrast	\$ 1,810.00
71552	w/o and w/contrast	\$ 2,235.00
71555	<b>MRA-Chest with or w/o contrast</b>	\$ 1,930.00
72141	<b>MRI-Cervical spine w/o contrast</b>	\$ 1,460.00
72142	with contrast	\$ 1,840.00
72146	<b>MRI-Thoracic spine without contrast</b>	\$ 1,460.00
72147	with contrast	\$ 1,825.00
72148	<b>MRI-Lumbar spine w/o contrast</b>	\$ 1,445.00
72149	with contrast	\$ 1,820.00
72156	<b>MRI-Cervical spine w/o and w/contrast</b>	\$ 2,285.00
72157	<b>MRI-Thoracic spine w/o and w/contrast</b>	\$ 2,285.00
72158	<b>MRI-Lumbar spine w/o contrast and w/contrast</b>	\$ 2,255.00
72159	<b>MRA-Spinal canal</b>	\$ 2,135.00
72195	<b>MRI-Pelvis w/o contrast</b>	\$ 1,440.00
72196	with contrast	\$ 1,810.00
72197	w/o and w/contrast	\$ 2,235.00
72198	<b>MRA-Pelvis with or without contrast</b>	\$ 1,920.00
73218	<b>MRI-Upper extremity other than joint w/o contrast</b>	\$ 1,420.00
73219	with contrast	\$ 1,795.00
73220	w/o and w/contrast	\$ 2,220.00
73221	<b>MRI-Upper extremity joint w/o contrast</b>	\$ 1,425.00
73222	with contrast	\$ 1,795.00
73223	w/o and w/contrast	\$ 2,215.00
73225	<b>MRA-Upper extremity with or without contrast</b>	\$ 2,100.00
73718	<b>MRI-Lower extremity other than joint w/o contrast</b>	\$ 1,420.00
73719	with contrast	\$ 1,795.00
73720	w/o and w/contrast	\$ 2,215.00

## SRMRC Charge Listing

73721	<b>MRI-Lower extremity, joint, without contrast</b>	\$ 1,425.00
73722	<b>MRI-Lower extremity, joint, with contrast</b>	\$ 1,795.00
73723	w/o and w/contrast	\$ 2,215.00
73725	<b>MRA-Lower extremity with or without contrast</b>	\$ 1,925.00
74181	<b>MRI-Abdomen without contrast</b>	\$ 1,440.00
74182	with contrast	\$ 1,810.00
74183	w/o and w/contrast	\$ 2,235.00
74185	<b>MRA-Abdomen with or without</b>	\$ 1,915.00
75557	<b>Cardiac MRI for morphology w/o contrast</b>	\$ 1,545.00
75559	with stress imaging	\$ 1,695.00
75561	<b>Cardiac MRI for morphology w/o and w/contrast</b>	\$ 2,095.00
75563	with stress imaging	\$ 2,375.00
76376	<b>3D Rendering w/interpretation, independent station</b>	\$ 250.00
76377	requiring image postprocessing	\$ 320.00
77021	<b>Magnetic resonance guidance for needle placement</b>	\$ 1,505.00
77058	<b>MRI-Breast, with and/or with contrast unilateral</b>	\$ 2,135.00
77059	<b>Bilateral</b>	\$ 2,135.00



**STATE OF CONNECTICUT**  
DEPARTMENT OF PUBLIC HEALTH  
*Office of Health Care Access*

May 14, 2012

Via Fax and Regular Mail

Ms. Jean Ahn  
System Director  
Yale-New Haven Hospital  
20 York Street (Howe 3)  
New Haven, CT 06504

Zenon Protopapas, M.D.  
Managing Partner, Medical Imaging Assoc.  
Saint Raphael Magnetic Resonance Imaging  
330 Orchard Street, Suite 10B  
New Haven, CT 06511

Ms. Terrie Estes  
Director of Planning and Business Development  
Saint Raphael Healthcare System &  
Hospital of Saint Raphael  
1450 Chapel Street  
New Haven, CT 06511

RE: Certificate of Need Application; Docket Number: 12-31759-CON  
Yale-New Haven Hospital, DePaul Health Services Corporation and Saint Raphael  
Magnetic Resonance Imaging  
Proposal of Yale-New Haven Hospital to Acquire the MRI Scanner Currently Operated  
and Owned by Saint Raphael Magnetic Resonance Imaging Center

Dear Ms. Ahn, Ms. Estes & Dr. Protopapas,

This letter is to inform you that, pursuant to Section 19a-639a(d) of the Connecticut General Statutes, the Office of Health Care Access has determined that the above-referenced application has been deemed complete as of May 14, 2012. The date of May 14, 2012, also begins the ninety-day review period of the application.

If you have any questions regarding this matter, please feel free to contact me at (860) 418-7069.

Sincerely,

A handwritten signature in cursive script that reads "Jack A. Huber".

Jack A. Huber  
OHCA Health Care Analyst

\*\*\*\*\*  
\*\*\* TX REPORT \*\*\*  
\*\*\*\*\*

TRANSMISSION OK

TX/RX NO 2915  
RECIPIENT ADDRESS 912036885013  
DESTINATION ID  
ST. TIME 05/14 14:31  
TIME USE 01'03  
PAGES SENT 2  
RESULT OK



STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH  
OFFICE OF HEALTH CARE ACCESS

FAX SHEET

TO: ✓ JEAN AHN, Y-NHH (203) 688-5013

TERRIE ESTES SRHS & HSR (203) 867-5665

DR. PROTOPAPAS MIA (203) 789-5183

FROM: JACK HUBER

DATE: 5/14/2012 Time: ~ 2:20 pm

NUMBER OF PAGES: 2  
*(including transmittal sheet)*



Comments: Transmitted:  
YNHH Acquisition of MRI Scanner Owned by SRMRC  
Letter Deeming CON Application Complete under  
Docket Number: 12-31759-CON



**STATE OF CONNECTICUT**  
DEPARTMENT OF PUBLIC HEALTH  
*Office of Health Care Access*

May 16, 2012

Via Fax and Regular Mail  
Corrected Proposal Title

Ms. Jean Ahn  
System Director  
Yale-New Haven Hospital  
20 York Street (Howe 3)  
New Haven, CT 06504

Zenon Protopapas, M.D.  
Managing Partner, Medical Imaging Assoc.  
Saint Raphael Magnetic Resonance Imaging  
330 Orchard Street, Suite 10B  
New Haven, CT 06511

Ms. Terrie Estes  
Director of Planning and Business Development  
Saint Raphael Healthcare System &  
Hospital of Saint Raphael  
1450 Chapel Street  
New Haven, CT 06511

RE: Certificate of Need Application; Docket Number: 12-31759-CON  
Yale-New Haven Hospital, DePaul Health Services Corporation and Saint Raphael  
Magnetic Resonance Imaging  
Proposal of Yale-New Haven Hospital to Acquire DePaul Health Services Corporation's  
Ownership Interest in the MRI Scanner Currently Operated and Owned by Saint Raphael  
Magnetic Resonance Imaging Center

Dear Ms. Ahn, Ms. Estes & Dr. Protopapas,

This letter is to inform you that, pursuant to Section 19a-639a(d) of the Connecticut General Statutes, the Office of Health Care Access has determined that the above-referenced application has been deemed complete as of May 14, 2012. The date of May 14, 2012, also begins the ninety-day review period of the application.

If you have any questions regarding this matter, please feel free to contact me at (860) 418-7069.

Sincerely,

A handwritten signature in cursive script that reads "Jack A. Huber".

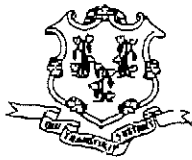
Jack A. Huber  
OHCA Health Care Analyst



\*\*\*\*\*  
\*\*\* TX REPORT \*\*\*  
\*\*\*\*\*

TRANSMISSION OK

TX/RX NO 2921  
RECIPIENT ADDRESS 912037895183  
DESTINATION ID  
ST. TIME 05/16 14:12  
TIME USE 00'40  
PAGES SENT 2  
RESULT OK



STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH  
OFFICE OF HEALTH CARE ACCESS

FAX SHEET

TO: JEAN AHN, Y-NHH (203) 688-5013

TERRIE ESTES, SRHS & HSR (203) 867-5665

✓ DR. PROTOPAPAS, MIA (203) 789-5183

FROM: JACK HUBER

DATE: 5/16/2012 Time: ~ 2:00 pm

NUMBER OF PAGES: 2  
*(including transmittal sheet)*



**Comments:** Transmitted: Corrected Proposal Title for the Letter Regarding YNHH Acquisition of DePaul Health Services Corp.'s Ownership Interest in the MRI Scanner Owned by SRMRC Letter Deeming CON Application Complete under Docket Number: 12-31759-CON