

# ZETTA MANUTENÇÃO DE EQUIPAMENTOS

CNPJ: 30.847.216/0001-58

VALORES DESTE ORÇAMENTO		
DESCRIÇÃO	VL MENSAL	VL ANUAL
LOCAÇÃO DO EQUIPAMENTO DE TOMOGRAFIA COMPUTADORIZADA	R\$ 27.900,00	R\$ 334.800,00

DESCRIÇÃO	VL UNITÁRIO	VL TOTAL
RETIRADA DO EQUIPAMENTO SIEMENS SPIRIT (INSTALADO NA UNIDADE), VALOR DEVE SER PAGO NA PRIMEIRA FATURA DA LOCAÇÃO	R\$ 8.000,00	R\$ 8.000,00
RETIRADA DO EQUIPAMENTO LOCADO (FINAL DO CONTRATO), VALOR DEVE SER PAGO NA ULTIMA FATURA DA LOCAÇÃO	R\$ 4.000,00	R\$ 4.000,00

CONDIÇÕES	
PEÇAS	INCLUSAS
MÃO DE OBRA PARA REPAROS	INCLUSAS
DESPESA DE VIAGEM PARA REPAROS	INCLUSAS
FRETE IDA DO EQUIPAMENTO	POR CONTA DO LOCADOR
FRETE RETORNO DO EQUIPAMENTO	POR CONTA DO LOCADOR
VALIDADE DA PROPOSTA	45 DIAS
PRAZO DE ENTREGA	10 DIAS APÓS A CONTRATAÇÃO
INÍCIO DA PRESTAÇÃO DE SERVIÇO	20 DIAS APÓS A CONTRATAÇÃO

Inhumas, 26 de Dezembro de 2019.

  
LEONARDO PAULO DE OLIVEIRA  
DIRETOR ADMINISTRATIVO

# ZETTA MANUTENÇÃO DE EQUIPAMENTOS

CNPJ: 30.847.216/0001-58

A/C: ROGER MOREIRA – DIRETOR GERAL

CLIENTE: INSTITUTO SOCRATES GUANAES – ISG

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## PROPOSTA DE LOCAÇÃO DE EQUIPAMENTO

### OBJETO TOMOGRAFIA

MARCA	MODELO
SIEMENS	EMOTION 16 CH

### DESCRIÇÃO DO EQUIPAMENTO

Siemens Emotion 16 CT Features • 16-slice acquisition • Wide range of clinical applications • Fast and efficient with 0.6 second rotation time • Multislice UFC detector • 0.75 or 1.5mm slices per rotation in less than 20 seconds • Small diagnostic detail for acquisition • 105 millisecond temporal resolution for clear depiction of blood vessels • Scan any anatomy with a single breathhold • Pathology seen from any perspective • Low patient dose Siemens Emotion 16 Clinical Applications • Abdominal, Adult Cardiac, Functional Imaging, Pediatrics, Pelvis, Spinal, Thoracic Siemens Emotion 16 CT Technology • syngo LungCARE CT with NEX (Nodule Enhanced Viewing) • syngo Colonography with PEV (Polyp Enhanced Viewing) Siemens Emotion 16 Tech Specs (Technical Specifications) Gantry • Gantry Generation: 3rd • Slipping: Low voltage • Aperture: 70 cm • FOV: 50 cm (standard), 70 cm (optional) • Tilt range: ±30 degrees • Type of positioning lights: Laser • Accuracy of positioning lights: ±1 mm • Focus-detector distance: 940 mm Patient Couch/ Table • Couch top material: Carbon fibre • Couch top length and width: 222 x 43 cm • Horizontal movement range: 153 cm • Horizontal movement speeds: 1-100 mm/sec • Accuracy/reproducibility of table positioning: ±0.25 mm (Horizontal movement) • Scannable horizontal range without table top extension: 153 cm • Scannable horizontal range with table top extension(s): 153 cm • Vertical movement range out of gantry: 45-83 cm • Vertical movement range in gantry: 64-83 cm • Minimum couch top height outside gantry: 45 cm (Vertical movement) • Maximum weight allowed on couch: 200 kg (440 lbs) • Maximum weight on couch which still achieves stated performance specifications: 200 kg X-Ray Tube • Type/Make: Siemens Dura 422MV Siemens Straton • Focal spot size(s) quoted to (X-RAY TUBE): 0.5 mm x 0.8 mm • IEC 336/93 standard (X-RAY TUBE) 0.7 x 0.8 • Settings at which focal spot change automatically; small changes • kW = kV x mA / 1000: up to 28 kW ; large up to 45 kW • Total filtration (inherent + beam shaping filter) at central axis (mm Al equivalent) (X-RAY TUBE) 6.3 (140kV) • Anode heat capacity (MHU): 5 • Maximum anode cooling rate (kHU/min): 810 • Method of cooling (X-RAY TUBE) Oil to air • Guaranteed tube life: 200,000 scan seconds • Detector type: Solid state (Ultra Fast Ceramic) • Maximum number of simultaneously acquired data sets (no. of slices): 16 • Number of detectors per row (Maximum anode cooling rate): 736 (1472 channels) • Number of elements along z-axis (Maximum anode cooling rate): 24 • Effective length of each element at isocentre: 16 x 0.6 mm, 8 x 1.2 mm • Total effective length of detector array at isocentre: 19.2 mm • Option for more slices / rotation (Maximum anode cooling rate): Yes Generator/ Power • X-ray generator: VAC Power Needed • Type: High frequency • Location: Rotation assembly (Composition) • Power rating - kV settings available (Maximum weight allowed on couch): 50, 80, 110, 130 kW • mA range and step size (Weight bearing properties) 20-345(1mA steps) • Maximum mA allowed for each kV (Weight bearing properties) 80 kV: 345 mA Main Console • Monitor/ Screen Size: 19 inches • Number of monitors at console (functions of each if > 1) (Image monitor) Up to 6 (shared database) • Image area matrix dimensions: 1024 x 1024 • Usual range of CT number displayed (HU) (Image monitor) (-10,240 to 30,710 if metal implants) • Accuracy of distance measurements in x-y plane: depends on pixel size (mm) • Weighted CTDI (CTDIw or CTDIvol) displayed on console: Yes • Dose Length Product (DLP) displayed on console (Dose information): Yes • Geometric Efficiency displayed on console when 70% for all collimations • Control methods: Mouse, keyboard

