

	Specialist Medical or Radiation Oncologist Spesialis Mediese of Stralings onkoloog	Other Specialists and General Practitioner Ander Spesialiste en Algemene Praktisyns		Anaesthetic Narkose				
		U/E	R	U/E	R	U/E	R	T/M
20. RADIATION ONCOLOGY ●								
5603 Manual Radiotherapy Planning Procedures: No Simulation, Limited Graphic Planning, Special Technique - TECHNICAL COMPONENT ● Manuele Bestralingsbeplanning: Geen Simulasie, Beperkte Rekenaar Plan, Spesiale Tegniek - TEGNIESE KOMPONENT	178.77	3,232.16						
20.11.2 Conventional Radiotherapy Planning Procedures ● Konvensionele Radioterapie Beplanningsprosedures								
5808 Conventional Radiotherapy Planning: Simulation, Limited Graphic Planning, Single Volume of Interest - PROFESSIONAL COMPONENT ● Konvensionele Radioterapie Beplanningsprosedures: Simulasie, Beperkte Rekenaar Plan, Enkel Volume van Belang - PROFESSIONELE KOMPONENT	170.26	3,078.30						
5608 Conventional Radiotherapy Planning: Simulation, Limited Graphic Planning, Single Volume of Interest - TECHNICAL COMPONENT ● Konvensionele Radioterapie Beplanningsprosedures: Simulasie, Beperkte Rekenaar Plan, Enkel Volume van Belang - TEGNIESE KOMPONENT	397.27	7,182.64						
5809 Conventional Radiotherapy Planning: Simulation, Limited Graphic Planning, Multiple Volumes of Interest - PROFESSIONAL COMPONENT ● Konvensionele Radioterapie Beplanningsprosedures: Simulasie, Beperkte Rekenaar Plan, Veelvuldige Volumes van Belang - PROFESSIONELE KOMPONENT	238.36	4,309.55						
5609 Conventional Radiotherapy Planning: Simulation, Limited Graphic Planning, Multiple Volumes of Interest - TECHNICAL COMPONENT ● Konvensionele Radioterapie Beplanningsprosedures: Simulasie, Beperkte Rekenaar Plan, Veelvuldige Volumes van Belang - TEGNIESE KOMPONENT	556.18	10,055.73						
5810 Conventional Radiotherapy Planning: Simulation, Limited Graphic Planning, Special Technique - PROFESSIONAL COMPONENT ● Konvensionele Radioterapie Beplanningsprosedures: Simulasie, Beperkte Rekenaar Plan, Spesiale Tegniek - PROFESSIONELE KOMPONENT	297.95	5,386.94						
5610 Conventional Radiotherapy Planning: Simulation, Limited Graphic Planning, Special Technique - TECHNICAL COMPONENT ● Konvensionele Radioterapie Beplanningsprosedures: Simulasie, Beperkte Rekenaar Plan, Spesiale Tegniek - TEGNIESE KOMPONENT	695.22	12,569.58						
20.11.3 Three Dimensional Radiotherapy Planning Procedures ● Drie Dimensionele Radioterapie Beplanningsprosedures								
5820 Three Dimensional Radiotherapy Planning Procedures: 3-Dimensional Simulation and Graphic Planning, Single Volume of Interest - PROFESSIONAL COMPONENT (excludes imaging costs for CT and MRI) ● Drie Dimensionele Radioterapie Beplanningsprosedures: Drie Dimensionele Simulasie en Grafiese Plan, Enkel Volume van Belang - PROFESSIONELE KOMPONENT (sluit koste vir RT en MRB uit)	240.23	4,343.36						

		Specialist Medical or Radiation Oncologist Spesialis Mediese of Stralings onkoloog		Other Specialists and General Practitioner Ander Spesialiste en Algemene Praktisyne		Anaesthetic Narkose		
		U/E	R	U/E	R	U/E	R	T/M
20.	RADIATION ONCOLOGY ●							
5620	Three dimensional radiotherapy planning procedures: 3-dimensional simulation and graphic planning, single volume of interest - TECHNICAL COMPONENT (excludes imaging costs for CT and MRI) ● Drie Dimensionele Radioterapie Beplanningsprosedures: Drie Dimensionele Simulasie en Grafiese Plan, Enkel Volume van Belang - TEGNIESE KOMPONENT (sluit koste vir RT en MRB uit)	977.20	17,667.78					
5821	Three Dimensional Radiotherapy Planning Procedures: 3-Dimensional Simulation and Graphic Planning, Multiple Volumes of Interest - PROFESSIONAL COMPONENT (excludes imaging costs for CT and MRI) ● Drie Dimensionele Radioterapie Beplanningsprosedures: Drie Dimensionele Simulasie en Grafiese Plan, Enkel Volume van Belang - TEGNIESE KOMPONENT (sluit koste vir RT en MRB uit)	407.75	7,372.12					
5621	Three dimensional radiotherapy planning procedures: 3-dimensional simulation and graphic planning, multiple volumes of interest - TECHNICAL COMPONENT (excludes imaging costs for CT and MRI) ● Drie Dimensionele Radioterapie Beplanningsprosedures: Drie Dimensionele Simulasie en Grafiese Plan, Veelvuldige Volumes van Belang - TEGNIESE KOMPONENT (sluit koste vir RT en MRB uit)	1,368.07	24,734.71					
5822	Three Dimensional Radiotherapy Planning Procedures: 3-Dimensional Simulation and Graphic Planning, Special Technique - PROFESSIONAL COMPONENT (excludes imaging costs for CT and MRI) ● Drie Dimensionele Radioterapie Beplanningsprosedures: Drie Dimensionele Simulasie en Grafiese Plan, Spesiale Tegniek - PROFESSIONELE KOMPONENT (sluit koste vir RT en MRB uit)	554.33	10,022.29					
5622	Three dimensional radiotherapy planning procedures: 3-dimensional simulation and graphic planning, special technique - TECHNICAL COMPONENT (excludes imaging costs for CT and MRI) ● Drie Dimensionele Radioterapie Beplanningsprosedures: Drie Dimensionele Simulasie en Grafiese Plan, Spesiale Tegniek - TEGNIESE KOMPONENT (sluit koste vir RT en MRB uit)	1,710.09	30,918.43					
20.11.4	Intensity Modulated Radiotherapy Planning Procedures ● Intensiteits gemoduleerde bestraling							
5823	Intensity Modulated Radiotherapy Planning Procedures: Intensity Modulated Radiotherapy Simulation, Inverse Planning, Radical Course - PROFESSIONAL COMPONENT (excludes imaging costs for CT and MRI) ● Intensiteits Gemoduleerde Bestraling Beplanningsprosedures: Intensiteits Gemoduleerde Bestralings Simulasie, Inverse Beplanning, Radikale Kursus - PROFESSIONELE KOMPONENT (sluit koste vir RT en MRB uit)	642.92	11,623.99					

		Specialist Medical or Radiation Oncologist Spesialis Mediese of Stralings onkoloog		Other Specialists and General Practitioner Ander Spesialiste en Algemene Praktisyns		Anaesthetic Narkose	
		U/E	R	U/E	R	U/E	R T/M
20. RADIATION ONCOLOGY ●							
5623	Intensity modulated radiotherapy (IMRT) planning procedures: Intensity modulated radiotherapy simulation, inverse planning, radical course - TECHNICAL COMPONENT (excludes imaging costs for CT and MRI) ● Intensiiteits Gemoduleerde Bestraling Beplanningsprosedures: Intensiiteits Gemoduleerde Bestralings Simulasie, Inverse Beplanning, Radikale Kursus - TEGNIESE KOMPONENT (sluit koste vir RT en MRB uit)	1,916.81	34,655.92				
5825	Intensity Modulated Radiotherapy Planning Procedures: Intensity Modulated Radiotherapy Simulation, Inverse Planning, Booster Volumes (not for use with other IMRT planning codes) - PROFESSIONAL COMPONENT (excludes imaging costs for CT and MRI) ● Intensiiteits Gemoduleerde Bestraling Beplanningsprosedures: Intensiiteits Gemoduleerde Bestralings Simulasie, Inverse Beplanning, Alleenlik vir Skraag Volumes (nie vir gebruik saam met ander IMRT Beplanningskodes nie) - PROFESSIONELE KOMPONENT (sluit koste vir RT en MRB uit)	232.18	4,197.81				
5625	Intensity modulated radiotherapy (IMRT) planning procedures: Intensity modulated radiotherapy simulation, inverse planning, booster volumes (not for use with other IMRT planning codes) - TECHNICAL COMPONENT (excludes imaging costs for CT and MRI) ● Intensiiteits Gemoduleerde Bestraling Beplanningsprosedures: Intensiiteits Gemoduleerde Bestralings Simulasie, Inverse Beplanning, Alleenlik vir Skraag Volumes (nie vir gebruik saam met ander IMRT Beplanningskodes nie) - TEGNIESE KOMPONENT (sluit koste vir RT en MRB uit)	958.40	17,327.87				
5826	Intensity Modulated Radiotherapy Planning Procedures: Intensity Modulated Radiotherapy Simulation, Inverse Planning, CT Scan with Magnetic Resonance Imaging or other Similar Imaging Fusion Techniques - PROFESSIONAL COMPONENT (excludes imaging costs for CT and MRI) ● Intensiiteits Gemoduleerde Bestraling Beplanningsprosedures: Intensiiteits Gemoduleerde Bestralings Simulasie, Inverse Beplanning, Alleenlik vir Skraag Volumes (nie vir gebruik saam met ander IMRT Beplanningskodes nie) - TEGNIESE KOMPONENT (sluit koste vir RT en MRB uit)	753.35	13,620.57				
5626	Intensity modulated radiotherapy (IMRT) planning procedures: Intensity modulated radiotherapy simulation, inverse planning, CT scan with magnetic resonance imaging or other similar imaging fusion techniques - TECHNICAL COMPONENT (excludes imaging costs for CT and MRI) ● Intensiiteits Gemoduleerde Bestraling Beplanningsprosedures: Intensiiteits Gemoduleerde Bestralings Simulasie, Inverse Beplanning, Rekenaar Skandering met Magnetiese Resonansie of ander gelyksoortige Beeldfusie Tegnieke - TEGNIESE KOMPONENT (sluit koste vir RT en MRB uit)	2,174.48	39,314.60				
20.11.5	Kilovolt Radiation Treatment ● Kilovolt Bestralingsterapie						

		Specialist Medical or Radiation Oncologist Spesialis Mediese of Stralings onkoloog		Other Specialists and General Practitioner Ander Spesialiste en Algemene Praktisyns		Anaesthetic Narkose		
		U/E	R	U/E	R	U/E	R	T/M
20.	RADIATION ONCOLOGY ●							
5834	Kilovoltage Radiation Treatment: Weekly Treatment, Kilovolt or Similar, per week or part thereof - PROFESSIONAL COMPONENT ● Kilovolt Bestralingsterapie: Weeklikse Bestraling, Kilovolt of soortgelyk, per week of deel daarvan - PROFESSIONELE KOMPONENT	49.08	887.37					
5634	Kilovoltage Radiation Treatment: Weekly Treatment, Kilovolt or Similar, per week or part thereof - TECHNICAL COMPONENT ● Kilovolt Bestralingsterapie: Weeklikse Bestraling, Kilovolt of soortgelyk, per week of deel daarvan - TEGNIESE KOMPONENT	114.52	2,070.52					

		Specialist Medical or Radiation Oncologist Spesialis Mediese of Stralings onkoloog		Other Specialists and General Practitioner Ander Spesialiste en Algemene Praktisyns		Anaesthetic Narkose	
		U/E	R	U/E	R	U/E	R T/M
20. RADIATION ONCOLOGY ●							
20.11.6 Short course radiation treatment ● Kort kursus bestralingsterapie							
5835 Short Course Radiation Treatment: Short course treatment, Single Volume of Interest - PROFESSIONAL COMPONENT ● Kort Kursus Bestralingsterapie: Kort kursus bestraling, Enkel Volume van Belang - PROFESSIONELE KOMPONENT	105.74	1,911.78					
5635 Short Course Radiation Treatment: Short course treatment, Single Volume of Interest - TECHNICAL COMPONENT ● Kort Kursus Bestralingsterapie: Kort kursus bestraling, Enkel Volume van Belang - TEGNIESE KOMPONENT	246.73	4,460.88					
5836 Short Course Radiation Treatment: Short course treatment, Multiple Volumes of Interest - PROFESSIONAL COMPONENT ● Kort Kursus Bestralingsterapie: Kort kursus bestraling, Veelvuldige Volumes van Belang - PROFESSIONELE KOMPONENT	148.04	2,676.56					
5636 Short Course Radiation Treatment: Short course treatment, Multiple Volumes of Interest - TECHNICAL COMPONENT ● Kort Kursus Bestralingsterapie: Kort kursus bestraling, Veelvuldige Volumes van Belang - TEGNIESE KOMPONENT	345.41	6,245.01					
5837 Short Course Radiation Treatment: Short course Treatment, Special Technique - PROFESSIONAL COMPONENT ● Kort Kursus Bestralingsterapie: Kort kursus Bestraling, Spesiale Tegniek - PROFESSIONELE KOMPONENT	190.33	3,441.17					
5637 Short Course Radiation Treatment: Short course Treatment, Special Technique - TECHNICAL COMPONENT ● Kort Kursus Bestralingsterapie: Kort kursus Bestraling, Spesiale Tegniek - TEGNIESE KOMPONENT	444.11	8,029.51					
20.11.7 Weekly radiation treatment sessions ● Weeklikse Bestralingsbehandelingsessies							
20.11.7.1 Conventional Techniques ● Konvensionele tegnieke							
5839 Weekly Radiation Treatment Sessions - Conventional Techniques. Weekly Treatment, Single Volume of Interest - PROFESSIONAL COMPONENT ● Weeklikse Bestralingsterapieessies - Konvensionele Tegnieke: Weeklikse Bestralings, Enkel Volume van Belang - PROFESSIONELE KOMPONENT	193.86	3,504.99					
5639 Weekly Radiation Treatment Sessions - Conventional Techniques. Weekly Treatment, Single Volume of Interest - TECHNICAL COMPONENT ● Weeklikse Bestralingsterapieessies - Konvensionele Tegnieke: Weeklikse Bestralings, Enkel Volume van Belang - TEGNIESE KOMPONENT	452.33	8,178.13					
5840 Weekly Radiation Treatment Sessions - Conventional Techniques: Weekly Treatment, Multiple Volumes of Interest - PROFESSIONAL COMPONENT ● Weeklikse Bestralingsterapieessies - Konvensionele Tegnieke: Weeklikse Bestralings, Veelvuldige Volumes van Belang - PROFESSIONELE KOMPONENT	246.73	4,460.88					

		Specialist Medical or Radiation Oncologist Spesialis Mediese of Stralings onkoloog		Other Specialists and General Practitioner Ander Spesialiste en Algemene Praktisyns		Anaesthetic Narkose		
		U/E	R	U/E	R	U/E	R	T/M
20.	RADIATION ONCOLOGY ●							
5640	Weekly Radiation Treatment Sessions - Conventional Techniques: Weekly Treatment, Multiple Volumes of Interest - TECHNICAL COMPONENT ● Weeklikse Bestralingsterapiesessies - Konvensionele Tegnieke: Weeklikse Bestralings, Veelvuldige Volumes van Belang - TEGNIESE KOMPONENT	575.69	10,408.48					
5841	Weekly Radiation Treatment Sessions - Conventional Techniques: Weekly Treatment, Special Technique - PROFESSIONAL COMPONENT ● Weeklikse Bestralingsterapiesessies - Konvensionele Tegnieke: Weeklikse Bestralings, Spesiale Tegniek - PROFESSIONELE KOMPONENT	317.22	5,735.34					
5641	Weekly Radiation Treatment Sessions - Conventional Techniques: Weekly Treatment, Special Technique - TECHNICAL COMPONENT ● Weeklikse Bestralingsterapiesessies - Konvensionele Tegnieke: Weeklikse Bestralings, Spesiale Tegniek - TEGNIESE KOMPONENT	740.18	13,382.45					
20.11.7.2	Advanced Techniques ● Gevorderde tegnieke							
5849	Weekly Radiation Treatment Sessions - Advanced Techniques: Weekly Treatment, Multi Leaf Collimators, Single Volume of Interest - PROFESSIONAL COMPONENT ● Weeklikse Bestralingsterapiesessies - Gevorderde Tegnieke: Weeklikse Bestraling, Veelvuldige Vin Kollimators, Enkel Volume van Belang - PROFESSIONELE KOMPONENT	236.24	4,271.22					
5649	Weekly Radiation Treatment Sessions - Advanced Techniques: Weekly Treatment, Multi Leaf Collimators, Single Volume of Interest - TECHNICAL COMPONENT ● Weeklikse Bestralingsterapiesessies - Gevorderde Tegnieke: Weeklikse Bestraling, Veelvuldige Vin Kollimators, Enkel Volume van Belang - TEGNIESE KOMPONENT	551.21	9,965.88					
5850	Weekly Radiation Treatment Sessions - Advanced Techniques: Weekly Treatment, Multi Leaf Collimators, Multiple Volumes of Interest - PROFESSIONAL COMPONENT ● Weeklikse Bestralingsterapiesessies - Gevorderde Tegnieke: Weeklikse Bestraling, Veelvuldige Vin Kollimators, Veelvuldige Volumes van Belang - PROFESSIONELE KOMPONENT	330.73	5,979.60					
5650	Weekly Radiation Treatment Sessions - Advanced Techniques: Weekly Treatment, Multi Leaf Collimators, Multiple Volumes of Interest - TECHNICAL COMPONENT ● Weeklikse Bestralingsterapiesessies - Gevorderde Tegnieke: Weeklikse Bestralingsessies - Veelvuldige Vin Kollimators, Veelvuldige Volumes van Belang - TEGNIESE KOMPONENT	771.71	13,952.52					
5851	Weekly Radiation Treatment Sessions - Advanced Techniques: Weekly Treatment, Multi Leaf Collimators, Special Technique - PROFESSIONAL COMPONENT ● Weeklikse Bestralingsterapiesessies - Gevorderde Tegnieke: Weeklikse Bestraling, Veelvuldige Vin Kollimators, Spesiale Tegniek - PROFESSIONELE KOMPONENT	425.23	7,688.16					

		Specialist Medical or Radiation Oncologist Spesialis Mediese of Stralings onkoloog		Other Specialists and General Practitioner Ander Spesialiste en Algemene Praktisyns		Anaesthetic Narkose	
		U/E	R	U/E	R	U/E	R T/M
20. RADIATION ONCOLOGY ●							
5870	Isotope/Applicator Therapy: Isotopes - Low Complexity, administration of low dose oral isotopes or use of surface applicators, up to five applications. Typically an out patient procedure. The cost of any isotopes and materials are not included ● Isotope-/Toedienenterapie: Isotope - Lae kompleksiteit, toediening van lae dosis orale isotope of gebruik van oppervlakte toediensers, per vyf toedienings. Tipies buite pasiënt prosedure. Die koste van isotope en materiale is uitgesluit.	108.40	1,959.87				
5872	Isotope/Applicator Therapy: Isotopes - Intermediate Complexity, administration of isotopes requiring invasive techniques such as intravenous, intracavitary or intra-articular radioactive isotopes. Typical out patient procedure or admission and monitoring less than 48 hours. The cost of any isotopes and materials are not included ● Isotope-/Toedienenterapie: Isotope - Intermediêre kompleksiteit, toediening van isotope deur intervensionele tegnieke, soos intraveneuse, intrakavitêre of intra-artikulêre radio-aktiewe isotope. Tipies buite pasiënt prosedure of toelating en monitering <48 uur. Die koste van isotope en materiale is uitgesluit.	216.80	3,919.74				
5873	Isotope/Applicator Therapy: Isotopes - High Complexity, surface application of seed arrays requiring dosimetric assessment and/or high dose radio-active isotopes requiring admission and monitoring. Typically requires in patient admission and monitoring for more than 48 hours. The cost of any isotopes and materials are not included ● Isotope-/Toedienenterapie: Isotope - Hoë kompleksiteit, oppervlakte toedienings met veelvuldige sade wat dosimetrisse beoordeling benodig en/of hoë dosis radio-aktiewe isotope wat toelating en monitering benodig. Regverdig tipies toelating en monitering vir >48 uur. Die koste van isotope en materiale is uitgesluit	601.16	10,868.97				
20.12.2 Brachytherapy Implants ● Bragiterapie Implanterings							
5882	Brachytherapy Implants: Implants - Low Complexity, placement of a single guide tube for the administration of brachytherapy requiring <8 dwell points. The cost of materials are not included ● Bragiterapie Implanterings: Implanterings - Lae kompleksiteit, implasing van enkel gidsbuis vir bragiterapie met <8 bron posisies. Die koste van materiale is uitgesluit.	216.80	3,919.74				
5883	Brachytherapy Implants: Implants - Intermediate Complexity, planar implants requiring >1 guide tube for the administration of brachytherapy, or the use of >8 dwell points in a single guide tube, or any procedure requiring <8 dwell points but which requires general anaesthesia for insertion. The cost of materials are not included ● Bragiterapie Implanterings: Implanterings - Intermediêre kompleksiteit, planare implanterings met > 1 gidsbuis vir bragiterapie, of die gebruik van >8 bron posisies in 'n enkel gidsbuis, of enige prosedure met < 8 bron posisies maar wat algemene narkose benodig. Die koste van materiale is uitgesluit.	786.80	14,225.34				

	Specialist Medical or Radiation Oncologist Spesialis Mediese of Stralings onkoloog		Other Specialists and General Practitioner Ander Spesialiste en Algemene Praktisyns		Anaesthetic Narkose		
	U/E	R	U/E	R	U/E	R	T/M
20. RADIATION ONCOLOGY ● 5885 Brachytherapy Implants: Implants - High Complexity requiring complex volumetric studies. Inclusive fee for implant under local or general anaesthetic. The cost of materials are not included ● Bragiterapie Implanterings: Implanterings - Hoë Kompleksiteit implantering wat komplekse volumetriese studies benodig. Inklusiewe fooi vir implantering onder lokale of algemene narkose. Die koste van materiale is uitgesluit.	1,049.07	18,967.19					

		Specialist Medical or Radiation Oncologist Spesialis Mediese of Stralings onkoloog		Other Specialists and General Practitioner Ander Spesialiste en Algemene Praktisyns		Anaesthetic Narkose	
		U/E	R	U/E	R	U/E	R T/M
20.	RADIATION ONCOLOGY ●						
20.12.3	Brachytherapy Treatment ● Bragiterapie Behandeling						
5890	Brachytherapy Treatment: Global fee for manual afterloading - includes storage, handling, calibration, planning (manual or computerized), manual loading, daily treatment, monitoring, removal and disposal of the isotopes. The cost of any isotopes and materials are not included ● Bragiterapie Behandeling: Globale Foon vir Manuele Nalading - foon sluit in berging, hantering, kalibrasie, beplanning (manueel of gerekenariseerd), manuele nalading, daaglikse behandeling, monitering, verwydering en wegruiming van isotope. Die koste van isotope en materiale is uitgesluit.	813.04	11,083.76				
5892	Brachytherapy Treatment: Global fee for remote afterloading - includes input in calibration, graphic planning, daily treatment, monitoring, removal and disposal of implant materials on completion. The cost of materials are not included - PROFESSIONAL COMPONENT ● Bragiterapie Behandeling: Globale Foon vir Afstandbeheerde Nalading - foon sluit in insette in kalibrasie, grafiese beplanning, daaglikse behandeling, monitering, verwydering en wegruiming van implanterings materiale na afloop van behandeling. Die koste van isotope en materiale is uitgesluit - PROFESSIONELE KOMPONENT	415.96	7,520.56				
5893	Global Fee for remote afterloading - includes input in calibration, graphic planning, daily treatment, monitoring, removal and disposal of implant materials on completion. The cost of materials are not included - TECHNICAL COMPONENT ● Globale Foon vir Afstandbeheerde Nalading - foon sluit in insette in kalibrasie, grafiese beplanning, daaglikse behandeling, monitering, verwydering en wegruiming van implanterings materiale na afloop van behandeling. Die koste van isotope en materiale is uitgesluit - TEGNIESE KOMPONENT	970.56	17,547.72				
20.12.4	Brachytherapy Imaging ● Bragiterapie Beelding						
5895	Brachytherapy Imaging: Brachytherapy: Special imaging where needed and if used, unusual to be added to any code other than items 5883 or 5885 ● Bragiterapie Beelding: Bragiterapie: Spesiale Beelding waar benodig en indien gebruik, ongewoon om te gebruik saam met 'n kode ander dan items 5883 of 5885	156.77	2,834.42				

	Patnologist Patoloog		Other Specialists and General Practioners Ander Spesialiste en Algemene Praktisyns	
	U/E	R	U/E	R
21. PATHOLOGY ● PATOLOGIE				
Notes: For fees for Histology and Cytology refer to items 4561 to 4593 under section 22: Anatomical Pathology ● Opmerkings: Vir Histologiese en Sitologiese tariewe verwys na items 4561 tot 4593 onder Afdeling 22: Anatomiese Patologie				
The amounts in this section are calculated according to the Clinical Pathology unit values ● Die bedrae in hierdie afdeling word volgens die Kliniese Patologie eenheidswaardes bereken				
21.1 Haematology ● Hematologie				
3705 Alkali resistant haemoglobin ● Alkaliebestande hemoglobien	4.5	77.00	3	51.33
3709 Antiglobulin test (Coombs' or trypsinized red cells) ● Antiglobulientoets (Coombsmetode of getripsineerde rooiselle)	3.65	62.45	2.45	41.92
3710 Antibody titration ● Antiliggzaam-titrasie	7.2	123.19	4.8	82.13
3711 Arneth count ● Arneth-telling	2.25	38.50	1.5	25.67
3712 Antibody identification ● Antiliggzaam identifikasie	8.45	144.58	5.65	96.67
3713 Bleeding time (does not include the cost of the simplate device) ● Bloeytyd (sluit nie die koste van simplateapparaat in nie)	6.94	118.74	4.63	79.22
3715 Buffy Layer examination ● "Buffy" laag ondersoek	19.9	340.49	13.27	227.05
3716 Mean Cell Volume ● Gemiddelde Selvolume	2.25	38.50	1.5	25.67
3717 Bone marrow cytological examination only ● Beenmurg sitologiese ondersoek alleen	19.9	340.49	13.27	227.05
3719 Bone marrow: Aspiration ● Beenmurg: Aspirasie	8.4	143.72	5.6	95.82
3720 Bone marrow trephine biopsy ● Beenmurg trefien biopsie	32.6	557.79	21.7	371.29
3721 Bone marrow aspiration and trephine biopsy (excluding histological examination) ● Beenmurg aspirasie en trefien biopsie (sluit nie histologiese ondersoek in nie)	36.8	629.65	24.5	419.20
3722 Capillary fragility: Hess ● Kapillêre breekbaarheid: Hess	2.02	34.56	1.35	23.10
3723 Circulating anticoagulants ● Sirkulerende antistolmiddel	5.85	100.09	3.9	66.73
3724 Coagulation factor inhibitor assay ● Koagulasiefaktor-inhibeerderessias	57.56	984.85	38.37	656.51
3726 Activated protein C resistance ● Geaktiveerde proteïen C-weerstandigheid	26	444.86	17.3	296.00
3727 Coagulation time ● Stollingstyd	3.16	54.07	2.11	36.10
3728 Anti-factor Xa Activity ● Anti-faktor Xa aktiwiteit	53.6	917.10	35.73	611.34
3729 Cold agglutinins ● Koue agglutiniene	3.6	61.60	2.4	41.06
3730 Protein S: Functional ● Proteïen S: Funksioneel	37.5	641.63	25	427.75
3731 Compatability for blood transfusion ● Verenigbaarheid vir bloedtransfusie	3.6	61.60	2.4	41.06
3734 Protein C (chromogenic) ● Proteïen C (chromogenies)	30.29	518.26	20.19	345.45
3739 Erythrocyte count ● Eritrosietelling	2.25	38.50	1.5	25.67
3740 Factors V and VII: Qualitative ● Faktore V en VII: Kwalitatief	7.2	123.19	4.8	82.13
3741 Coagulation factor assay: functional ● stollingsfaktor-essai: funksioneel	9.45	161.69	6.3	107.79
3742 Coagulation factor assay: Immunological ● Stollings faktor-essais: Immunologies	4.5	77.00	3	51.33
3743 Erythrocyte sedimentation rate ● Eritrosiet-besinkingsnelheid	3	51.33	2	34.22
3744 Fibinn stabilising factor (urea test) ● Fibnen-Stabiliserende faktor (ureum oplosbaarheidstoets)	4.5	77.00	3	51.33
3746 Fibrin monomers ● Fibrien monomere	2.7	46.20	1.8	30.80
3748 Plasminogen Activator Inhibitor (PAI-I) ● Plasminogeen aktiwator inhibitor (PAI-I)	65.95	1,128.40	43.97	752.33
3750 Tissue Plasminogen Activator (tPA) ● Weefsel plasminogeen aktiwator (tPA)	67.79	1,159.89	45.19	773.20
3751 Osmotic fragility (screen) ● Osmotiese breekbaarheid (sifting)	2.25	38.50	1.5	25.67
3753 Osmotic fragility (before and after incubation) ● Osmotiese breekbaarheidstoets (voor en na inkubasie)	18	307.98	12	205.32

		Pathologist Patoloog		Other Specialists and General Practitioners Ander Spesialiste en Algemene Praktisyne	
		U/E	R	U/E	R
3754	ABO Reverse Group ● ABO Terugwaartse groep	5.5	94.11	3.67	62.79
3755	Full blood count (including items 3739. 3762. 3763. 3785. 3791) ● Volbloedtelting (insluitende items 3739. 3762. 3763. 3785. 3791)	10.5	179.66	7	119.77
3756	Full cross match ● Volledige kruisverenigbaarheid	7.2	123.19	4.8	82.13
3757	Coagulation factors (quantitative) ● Stollingsfaktore (kwantitatief)	32.2	550.94	21.47	367.35
3758	Factor VIII related antigen ● Faktor VIII verwante antigeen	60.46	1,034.47	40.31	689.70
3759	Coagulation factor correction study ● Stollingsfaktor-korreksiestudies	11.72	200.53	7.81	133.63
3761	Factor XIII related antigen ● Faktor XIII verwante antigeen	61.11	1,045.59	40.74	697.06
3762	Haemoglobin estimation ● Hemoglobienbepaling	1.8	30.80	1.2	20.53
3763	Contact activated product essay ● Kontakgeaktiveerde produk-essay	16.2	277.18	10.8	184.79
3764	Grouping: A-, B- and O-antigens ● Groepering: A-, B- en O-antigene	3.6	61.60	2.4	41.06
3765	Grouping: Rh antigens ● Groepering: Rh antigene	3.6	61.60	2.4	41.06
3766	PIVKA ● PIVKA	43.49	744.11	28.99	496.02
3767	Euglobulin lysis time ● Euglobulinisetyd	25.58	437.67	17.05	291.73
3768	Haemoglobin A2 (column chromatography) ● Hemoglobien A2 (kolom chromatografie)	15	256.65	10	171.10
3769	HB Electrophoresis ● Hemoglobien elektroforese	26.82	458.89	17.88	305.93
3770	Haemoglobin-S (solubility test) ● Hemoglobien-S (oplosbaarheidstoets)	3.6	61.60	2.4	41.06
3773	Ham's acidified serum test ● Ham se aangesuurde serumtoets	8	136.88	5.3	90.68
3775	Heinz bodies ● Heinz-liggaampies	2.25	38.50	1.5	25.67
3776	Haemosiderin in urinary sediment ● Haemosiderien in uriensediment	2.25	38.50	1.5	25.67
3777	DELETED 2009: Heparin estimation ● GESKRAP 2009: Heparienbepaling				
3781	Heparin tolerance ● Heparien toleransie	7.2	123.19	4.8	82.13
3783	Leucocyte differential count ● Leukosiet differensiële telling	6.2	106.08	4.15	71.01
3785	Leucocytes: total count ● Leukosiet: totale telling	1.8	30.80	1.2	20.53
3786	QBC malaria concentration and fluorescent staining ● QBC malaria konsentraat en fluoressensie kleuring	25	427.75	16.7	285.74
3787	LE-cells ● LE-selle	8.3	142.01	5.55	94.96
3789	Neutrophil alkaline phosphatase ● Neutrofiel alkaliëse fosfatas	28	479.08	18.7	319.96
3791	Packed cell volume: Haematocrit ● Gepakte selvolume: Hematokrit	1.8	30.80	1.2	20.53
3792	Plasmodium falciparum: Monoclonal immunological identification ● Plasmodium falciparum: Monoklonaal immunologiese identifikasie	9	153.99	6	102.66
3793	Plasma haemoglobin ● Plasma-hemoglobien	6.75	115.49	4.5	77.00
3794	Platelet Sensitivities ● Plaatjie sensitiviteit	18.64	318.93	12.43	212.68
3795	Platelet aggregation per aggregant ● Plaatjieklomping per klomp	12.14	207.72	8.09	138.42
3796	Platelet antibodies: agglutination ● Plaatjie-antiliggame: agglutinasie	5.4	92.39	3.6	61.60
3797	Platelet count ● Plaatjetelling	2.25	38.50	1.5	25.67
3799	Platelet adhesiveness ● Plaatjieklewerigheid	4.5	77.00	3	51.33
3801	Prothrombin consumption ● Protrombiënverbruik	5.85	100.09	3.9	66.73
3803	Prothrombin determination (two stages) ● Protrombiënbeplating (twee stadia)	5.85	100.09	3.9	66.73
3805	Prothrombin index ● Protrombiëndeks	6	102.66	4	68.44
3806	Therapeutic drug level: Dosage ● Geneesmiddelvlak: Dosering	4.5	77.00	3	51.33
3807	Recalcification time ● Herkalsifiseringtyd	2.25	38.50	1.5	25.67
3809	Reticulocyte count ● Retikulosisietelling	3	51.33	2	34.22
3811	Sickling test ● Sekelseltoets	2.25	38.50	1.5	25.67
3814	Sucrose lysis test for PNH ● Sukrose-lisetoets vir PNH	3.6	61.60	2.4	41.06

	Pathologist Patoloog		Other Specialists and General Practitioners Ander Spesialiste en Algemene Praktisyns	
	U/E	R	U/E	R
3816 T and B-cells EAC markers (limited to ONE marker only for CD4/8 counts) ● T en B-selle EAC-merkers (beperk tot EEN merker alleen vir CD4/8 tellings)	21.1	361.02	14.07	240.74
3820 Thrombo-Elastogram ● Trombo-Elastogram	26	444.86	17.33	296.52
3825 Fibrinogen titre ● Fibrinogeen-titer	3.6	61.60	2.4	41.06
3829 Glucose 6-phosphate-dehydrogenase: Qualitative ● Glukose 6-fosfaat-dehidrogenase: Kwalitatief	8	136.88	5.33	91.20
3830 Glucose 6-phosphate-dehydrogenase: quantitative ● Glukose 6-fosfaat-dehidrogenase: kwantitatief.	16	273.76	10.7	183.08
3832 Red cell pyruvate kinase: quantitative ● Rooisel piruvaat kinase: kwantitatief	16	273.76	10.7	183.08
3834 Red cell Rhesus phenotype ● Rooisel Rhesus fenotipe	9.9	169.39	6.6	112.93
3835 Haemoglobin F in blood smear ● Hemoglobien F in bloedsmeer	5.85	100.09	3.9	66.73
3837 Partial thromboplastin time ● Gedeeltelike tromboplastientyd	5.85	100.09	3.9	66.73
3841 Thrombin time (screen) ● Trombientyd (sifting)	7.16	122.51	4.77	81.61
3843 Thrombin time (serial) ● Trombientyd (reeks)	7.65	130.89	5.1	87.26
3847 Haemoglobin H ● Hemoglobien H	2.25	38.50	1.5	25.67
3851 Fibrin degeneration products (diffusion plate) ● Fibrin degenerasieprodukte (diffusieplaat)	10.35	177.09	6.9	118.06
3853 Fibrin degeneration products (latex slide) ● Fibrin degenerasie produkte (latex plaatjie)	4.5	77.00	3	51.33
3854 XDP (Dimer test or equivalent latex slide test) ● XDP (Dimer-toets of ekwivalente latex-plaatjetoets)	8.5	145.44	5.67	97.01
3856 D-Dimer	27.52	470.87	18.35	313.97
3855 Hemagglutination inhibition ● Hemagglutinasie inhibisie	9.9	169.39	6.6	112.93
3858 Heparin Removal ● Heparin verwydering	28.88	494.14	19.25	329.37
*21.2 Microscopic examinations ● Mikroskopiese ondersoeke				
3863 Autogenous vaccine ● Outogene vaksien	12.6	215.59	8.4	143.72
3864 Entomological examination ● Entomologiese ondersoek	20.7	354.18	13.8	236.12
3865 Parasites in blood smear ● Parasiete in bloedsmeer	5.6	95.82	3.73	63.82
3867 Miscellaneous (body fluids, urine, exudate, fungi, Pusscrapings, etc.) ● Diverse (liggaamsvog, urien, eksudaat, Skimmels, etterskrappings, ens)	4.9	83.84	3.3	56.46
3868 Fungus identification ● Fungus identifikasie	8.3	142.01	5.5	94.11
3869 Faeces (including parasites) ● Fekalieë (parasiete ingesluit)	4.9	83.84	3.27	55.95
3872 Automated urine microscopy	8.72	149.20	5.81	99.41
3873 Transmission electron microscopy ● Transmissie elektronmikroskopie	85	1,454.35	57	975.27
3874 Scanning electron microscopy ● Skanderings-elektronmikroskopie	100	1,711.00	67	1,146.37
3875 Inclusion bodies ● Insluitingsliggaampie	4.5	77.00	3	51.33
3878 Crystal identification polarised light microscopy ● Kristal identifikasie gepolariseerde ligmikroskopie	4.5	77.00	3	51.33
3879 Campylobacter in stool: fastidious culture ● Campylobacter in feces: puntenerige kweking	9.9	169.39	6.6	112.93
3880 Antigen detection with polyclonal antibodies ● Antigeen bespeuring met poliklonale antiliggame	4.5	77.00	3	51.33
3881 Mycobacteria ● Mikobaktene	3	51.33	2	34.22
3882 Antigen detection with monoclonal antibodies ● Antigeenbespeuring met monoklonale antiliggame	10.8	184.79	7.2	123.19
3883 Concentration techniques for parasites ● Konsentrasie tegnieke vir parasiete	3	51.33	2	34.22
3884 Dark field, Phase- or interference contrast microscopy Nomarski or Fontana ● Donkerveld, Fase- of interferensie-kontrasmikroskopie. Nomarski of Fontana	6.3	107.79	4.2	71.86
3885 Cytochemical stain ● Sitochemiese kleuring	5.45	93.25	3.65	62.45
21.3 Bacteriology (culture and biological examination ● Bakteriologie (kweking en biologiese ondersoek)				
3886 DELETED 2009: Antibiotic MIC per organism per antibiotic ● GESKRAP 2009: Antibiotikum MIK per organisme per antibiotikum				
3887 Antibiotic susceptibility test, per organism ● Antibiotikum gevoeligheidstoets per organisme	8	136.88	5.33	91.20

		Pathologist Patoloog		Other Specialists and General Practitioners Ander Spesialiste en Algemene Praktisyns	
		U/E	R	U/E	R
3889	Clostridium difficile toxin: Monoclonal immunological • Clostridium difficile toksien: Monoklonaal immunologies.	12.4	212.16	8.27	141.50
3890	Antibiotic assay of tissues and fluids • Antibiotikum-essai vir weefsels en vloeistof	13.9	237.83	9.27	158.61
3891	Blood culture: aerobic • Bloedkweking: aerobies	5.85	100.09	3.9	66.73
3892	Blood culture: anaerobic • Bloedkweking: anaerobies	5.85	100.09	3.9	66.73
3893	Bacteriological culture: miscellaneous • Bakteriologiese kweking: diverse	6.3	107.79	4.2	71.86
3894	Radiometric blood culture • Radiometriese bloedkweking	10.8	184.79	7.2	123.19
3895	Bacteriological culture: fastidious organisms • Bakteriologiese kweking: puntenerige organisme	9.9	169.39	6.6	112.93
3896	In vivo culture: bacteria • In vivo kweking: bakterie	16	273.76	10.65	182.22
3897	In vivo culture: virus • In vivo kweking: virus	16	273.76	10.65	182.22
3898	Bacterial exotoxin production (in vitro assay) • Bakteriële eksotoksien produksie (in vitro essai)	4.5	77.00	3	51.33
3899	Bacterial exotoxin production (in vivo assay) • Bakteriële eksotoksien produksie (in vivo essai)	20.7	354.18	13.8	236.12
3901	Fungal culture • Fungus-kweking	4.5	77.00	3	51.33
3903	Antibiotic level: biological fluids • Antibiotikum vlak: biologiese vog	11.7	200.19	7.8	133.46
3905	Identification of virus or rickettsia • Identifikasie van virus of rickettsia	20.7	354.18	13.8	236.12
3906	Identification: chlamydia • Identifikasie: chlamidia	16	273.76	10.65	182.22
3907	Culture for staphylococcus aureus • Kweking vir staflokokkus aureus	2.25	38.50	1.5	25.67
3908	Anaerobic culture: comprehensive • Anaerobiese kweking: omvattend	9.9	169.39	6.6	112.93
3909	Anaerobic culture: limited procedure • Anaerobiese kweking: beperkte prosedure	4.5	77.00	3	51.33
3911	B-Lactamase	4.5	77.00	3	51.33
3915	Mycobacterium culture • Mikobakterie kweking	4.5	77.00	3	51.33
3917	Mycoplasma culture: limited • Mikoplasma kweking beperk	2.25	38.50	1.5	25.67
3918	Mycoplasma culture: comprehensive • Mikoplasma kweking: omvattend	9.9	169.39	6.6	112.93
3919	Identification of mycobacterium • Identifikasie van mikobakterie	9.9	169.39	6.6	112.93
3920	Mycobacterium: antibiotic sensitivity • Mikobakterie: antibiotikumsensitiwiteit	9.9	169.39	6.6	112.93
3921	Antibiotic synergistic study • Ondersoek vir sinergisme van antibiotiese middels	20.7	354.18	13.8	236.12
3922	Viable cell count • Lewendeseltelling	1.35	23.10	0.9	15.40
3923	Staph ID Abr (Yeast ID)	3.15	53.90	2.1	35.93
3924	Biochemical ident of bacterium: extended • Biologiese ident van bakterie: omvattend	12.5	213.88	8.33	142.53
3925	Serological ident of bacterium: abridged • Serologiese ident van bakterie: verkort	3.15	53.90	2.1	35.93
3926	Serological ident of bacterium: extended • Serologiese ident van bakterie: omvattend	10.2	174.52	6.8	116.35
3927	Grouping of streptococci • Streptokokkus groepering	7.3	124.90	4.85	82.98
3928	Antimicrobial substances • Antimikrobiese substansies	3.8	65.02	2.5	42.78
3929	Radiometric mycobacterium identification • Radiometriese mikobakterie identifikasie	14	239.54	9.3	159.12
3930	Radiometric mycobacterium antibiotic sensitivity • Radiometriese mikobakterie antibiotiese sensitiwiteit	25	427.75	16.7	285.74

		Pathologist Patoloog		Other Specialists and General Practitioners Ander Spesialiste en Algemene Praktisyens	
		U/E	R	U/E	R
4652	Rapid automated bacterial identification per organism ● Vinnige geoutomatiseerde bakteriële identifikasie per organisme	15	256.65	10	171.10
4653	Rapid automated antibiotic susceptibility per organism ● Vinnige geoutomatiseerde antibiotikum gevoeligheid per organisme	17	290.87	* 11.33	193.86
4654	Rapid automated MIC per organism per antibiotic ● Vinnige geoutomatiseerde MIK per organisme per antibiotikum	17	290.87	11.33	193.86
4655	Mycobacteria: MIC determination - E Test ● Mikobakterie: MIK bepaling - E Toets	16.50	282.32	11.00	188.21
4656	Mycobacteria: Identification HPLC ● Mikobakterie: Identifikasie HPLC	35.00	598.85	23.33	399.18
4657	Mycobactena: Liquefied, concentrated, fluorochrome stain ● Mikobakterie: Vervoeide, gekonsentreerde fluorchromiese kleuring	9.90	169.39	6.60	112.93
21.4	Serology ● Serologie				
3932	HIV Elisa Type I and II (Screening tests only)	14.1	241.25	9.4	160.83
3933	IgE: Total; EMIT or ELISA ● IgE: Totaal; EMIT of ELISA	11.7	200.19	7.8	133.46
3934	Auto antibodies by labelled antibodies ● Outo-antiliggame deur gemerkte antiliggame	16	273.76	10.65	182.22
3938	Precipitin test per antigen ● Presipitasie toets per antigeen	4.5	77.00	3	51.33
3939	Agglutination test per antigen ● Agglutinasietoets per antigeen	5.5	94.11	3.67	62.79
3940	Haemagglutination test: per antigen ● Haemagglutinasietoets: per antigeen	9.9	169.39	6.6	112.93
3941	Modified Coombs' test for brucellosis ● Gewysigde Coombs-toets vir brucellose	4.5	77.00	3	51.33
3942	Hepatitis Rapid Viral Ab ● Hepatitis Virus AI - spoedmetode	12.24	209.43	8.16	139.62
3943	Antibody titer to bacterial exotoxin ● Antiliggaam titer teen bakteriese eksotoksien	3.6	61.60	2.4	41.06
3944	IgE: Specific antibody titer: ELISA/EMIT: per Ag ● IgE: spesifieke antiliggaam titer: ELISA/EMIT: per Ag	12.4	212.16	8.27	141.50
3945	Complement fixation test ● Komplementbindingstoets	5.85	100.09	3.9	66.73
3946	IgM: Specific antibody titer: ELISA or EMIT: per Ag ● IgM: Spesifieke antiliggaam titer: ELISA/EMIT: per Ag	14.05	240.40	9.37	160.32
3947	C-reactive protein ● C-reaktiewe proteïene	10.84	185.47	7.23	123.71
3948	IgG: Specific antibody titer: ELISA/EMIT: per Ag ● IgG: Spesifieke antiliggaam titer: ELISA/EMIT: per Ag	12.95	221.57	8.63	147.66
3949	Qualitative Kahn. VDRL or other flocculation ● Kwalitatiewe Kahn. VDRL of ander flokkulasie	2.25	38.50	1.5	25.67
3950	Neutrophil phagocytosis ● Neutrofiel-fagositose	25.2	431.17	16.8	287.45
3951	Quantitative Kahn. VDRL or other flocculation ● Kwantitatiewe Kahn. VDRL of ander flokkulasie	3.6	61.60	2.4	41.06
3952	Neutrophil chemotaxis ● Neutrofiel-chemotakse	67.95	1,162.62	45.3	775.08
3953	Tube agglutination test ● Buise agglutinasietoets	4.15	71.01	2.76	47.22
3955	Paul Bunnell: presumptive ● Paul Bunnell: vermoedelik	2.25	38.50	1.5	25.67
3956	Infectious Mononucleosis latex slide test (Monospot or equivalent) ● Infektiewe Mononukleose latex-plaatjietoets (Monospot of ekwivalent)	8.5	145.44	5.67	97.01
3957	Paul Bunnell: Absorption ● Paul Bunnell: Absorpsie	4.5	77.00	3	51.33
4601	Panel typing: Antibody detection: Class I ● Paneeltipering: Antiliggaam opsporing: Klas I	36	615.96	24	410.64
4602	Panel typing: Antibody detection: Class II ● Paneeltipering: Antiliggaam opsporing: Klas II	44	752.84	29.3	501.32
4607	Cross matching T-cells (per tray) ● Kruispassing T-selle (per blad)	18	307.98	12	205.32
4608	Cross matching B-cells ● Kruispassing B-selle	38	650.18	25.3	432.88
4609	Cross matching T- & B-cells ● Kruispassing T- & B-selle	48	821.28	32	547.52
4610	Helicobacter pylori antigen test ● Helikobakter pylori stoelgang antigeen	34.6	592.01	23.07	394.73
4613	Anti-Gm1 Antibody Assay ● Anti Gm1 AI bepaling	75	1,283.25	50	855.50

		Pathologist Patoloog		Other Specialists and General Practitioners Ander Spesialiste en Algemene Praktisyns	
		U/E	R	U/E	R
4614	HIV Ab - Rapid Test ● MIV AI - spoedmetode	12	205.32	8	136.88
3959	Rose Waaler Agglutination test ● Rose Waaler agglutinasietoet	4.5	77.00	3	51.33
3961	Slide agglutination test ● Voorwerpglas-agglutinasietoets	2.63	45.00	1.75	29.94
3962	Rebuck skin window ● Rebuck-huidvenster	5.4	92.39	3.6	61.60
3963	Serum complement level: each component ● Serum komplement vlak: per komponent	3.15	53.90	2.1	35.93
3967	Auto-antibody: Sensitised erythrocytes ● Outo-antiliggame: Gesensitiseerde rooiselle	4.5	77.00	3	51.33
3969	Western blot technique ● Western klad tegniek	74	1,266.14	49	838.39
3970	DELETED 2009: Epstein-Barr virus antibody titer ● GESKRAP 2009: Epstein-Barr virus antiliggaam titer				
3971	Immuno-diffusion test: per antigen ● Immuno-diffusie toets: per antigeen	3.15	53.90	2.1	35.93
3973	Immuno electrophoresis: per immune serum ● Immuno-elektroforese: per immuunserum	9.45	161.69	6.3	107.79
3975	Indirect immuno-fluorescence test (Bacterial, viral, parasitic) ● indirekte immuno fluoressensietoets (Bakterieel, viraal, parasitêr)	12	205.32	8	136.88
3977	Counter immuno-electrophoresis ● Kontra immuno-elektroferese	6.75	115.49	4.5	77.00
3978	Lymphocyte transformation ● Limfosien-transformasie	51.7	884.59	34.5	590.30
3980	Bilharzia Ag Serum/Urine ● Bilharzia Ag Serum/Urine	14.5	248.10	9.67	165.45
21.5	Skin tests ● Huidtoetse For skin-prick allergy tests, please refer to items 0218 to 0221 in the Integumentary Section				
21.6	Biochemical tests: Blood ● Biochemiese toetse: Bloed				
3991	Abnormal pigments: qualitative ● Abnormale pigmente: kwalitatief	4.5	77.00	3	51.33
3993	Abnormal pigments: quantitative ● Abnormale pigmente: kwantitatief	9	153.99	6	102.66
3995	Acid phosphatase ● Suurfosfatase	5.18	88.63	3.45	59.03
3996	Serum Amyloid A ● Serum Amiloied A	8.28	141.67	5.52	94.45
3997	Acid phosphatase fractionation ● Suurfosfatase fraksionasie	1.8	30.80	1.2	20.53
3998	Amino acids: Quantitative (Post derivatisation HPLC) ● Aminosure: Kwantitatief (Post derivatisering HDVC)	78.12	1,336.63	52.08	891.09
3999	Albumin ● Albumien	4.8	82.13	3.2	54.75
4000	Alcohol ● Alkohol	12.4	212.16	8.27	141.50
4001	Alkaline phosphatase ● Alkaliese fosfatase	5.18	88.63	3.45	59.03
4002	Alkaline Phosphatase-iso-enzymes ● Alkaliese fosfatase-iso-ensieme	11.7	200.19	7.8	133.46
4003	Ammonia: enzymatic ● Ammoniak: ensiematies	7.71	131.92	5.14	87.95
4004	Ammonia: monitor ● Ammoniak: monitor	4.5	77.00	3	51.33
4005	Alpha-1-antitrypsin ● Alfa-1-antitripsien	7.2	123.19	4.8	82.13
4006	Amylase ● Amilase	5.18	88.63	3.45	59.03
4007	Arsenic in blood, hair or nails ● Arseen in bloed, hare of naels	36.25	620.24	24.17	413.55
4008	Bilirubin - Reflectance ● Bilirubien reflektansie	4.77	81.61	3.18	54.41
4009	Bilirubin, total ● Bilirubien totaal	4.77	81.61	3.18	54.41
4010	Bilirubin: conjugated ● Bilirubien: gekonjugeerd	3.62	61.94	2.41	41.24
4014	Cadmium: atomic absorp ● Kadmium: atoomabsorpsies	18.12	310.03	12.08	206.69
4016	Calcium: Ionized ● Kalsium: Geïoniseerd	6.75	115.49	4.5	77.00
4017	Calcium: spectrophotometric ● Kalsium spektrofotometrie	3.62	61.94	2.41	41.24
4018	Calcium: atomic absorption ● Kalsium: atoomabsorpsie	7.25	124.05	4.83	82.64
4019	Carotene ● Karoteen	2.25	38.50	1.5	25.67
4023	Chlonde ● Chloned	2.59	44.31	1.73	29.60
4026	LDL cholesterol (chemical determination)	6.9	118.06	4.6	78.71
4027	Cholesterol total	5.34	91.37	3.56	60.91

		Pathologist Patoloog		Other Specialists and General Practitioners Ander Spesialiste en Algemene Praktisyns	
		U/E	R	U/E	R
4029	Cholinesterase: serum or erythrocyte: each • Cholinesterase: serum of rooisel: elk	7.48	127.98	4.99	85.38
4030	Cholinesterase phenotype (Dibucaine or fluoride each) • Cholinesterase fenotipe (Dibucaine of fluoride elk)	9	153.99	6	102.66
4031	Total CO ₂ • Totale CO ₂	5.18	88.63	3.45	59.03
4032	Creatinine • Kreatinien	3.62	61.94	2.41	41.24
4035	CSF-Albumin • SSV Albumien	9.45	161.69	6.3	107.79
4036	CSF-IgG Index • SSV IgG Indeks	22.05	377.28	14.7	251.52
4040	Homocysteine (random) • Homosistein (lukraak)	15.3	261.78	10.2	174.52
4041	Homocysteine (after Methionine load) • Homosistein (na Metionien-lading)	18.1	309.69	12.06	206.35
4042	D-Xylose absorption test: two hours • D-Xylose absorpsietoets twee uur	13.15	225.00	8.75	149.71
4045	Fibrinogen: quantitative • Fibrinoëen: kwantitatief	3.6	61.60	2.4	41.06
4047	Hollander test • Hollander se toets	24.75	423.47	16.5	282.32
4049	Glucose tolerance test (2 specimens) • Glukose toleransietoets (2 monsters)	8.97	153.48	5.98	102.32
4050	Glucose strip-test with photometric reading • Glukose strokietoets met fotometriese lesing	1.8	30.80	1.2	20.53
4051	Galactose • Galaktose	11.25	192.49	7.5	128.33
4052	Glucose tolerance test (3 specimens) • Glukose toleransietoets (3 monsters)	13.17	225.34	8.78	150.23
4053	Glucose tolerance test (4 specimens) • Glukose toleransietoets (4 monsters)	17.37	297.20	11.58	198.13
4057	Glucose Quantitative • Glukose Kwantitatief	3.62	61.94	2.41	41.24
4061	Glucose tolerance test (5 specimens) • Glukose toleransietoets (5 monsters)	21.56	368.89	14.37	245.87
4063	Fructosamine • Fruktosamine	7.2	123.19	4.8	82.13
4064	Glycated haemoglobin: chromatography/HbA1C Geglikosileerde hemoglobien: chromatografie/HbA1C	14.25	243.82	9.5	162.55
4067	Lithium: flame ionisation • Litium: vlam ionisasie	5.18	88.63	3.45	59.03
4068	Lithium: atomic absorption • Litium: atoomabsorpsie	7.48	127.98	4.99	85.38
4071	Iron • Yster	6.75	115.49	4.5	77.00
4073	Iron-binding capacity • Ysterbindingsvermoë	7.65	130.89	5.1	87.26
4076	Carboxy Hemoglobin (6x per 24 hrs)	19.1	326.80	12.73	217.81
4078	Oximetry analysis: MetHb, COHb, O ₂ Hb, RHb, SulfHb • Oksimetriese analise: MetHb, COHb, O ₂ Hb, RHb, SulfHb	6.75	115.49	4.5	77.00
4079	Ketones in plasma: qualitative • Ketone in plasma: kwalitatief	2.25	38.50	1.5	25.67
4081	Drug level-biological fluid: Quantitative • Middel vlak-biologiese vog: kwantitatief	10.8	184.79	7.2	123.19
4086	Plasma Lactate	16	273.76	10.67	182.56
4085	Lipase • Lipase	5.18	88.63	3.45	59.03
4091	Lipoprotein electrophoresis • Lipoproteien-elektroferese	9	153.99	6	102.66
4093	Osmolality: Serum or urine • Osmolaliteit: Serum of urien	6.75	115.49	4.5	77.00
4094	Magnesium: Spectrophotometric • Magnesium: Spektrofotometries	3.62	61.94	2.41	41.24
4095	Magnesium: Atomic absorption • Magnesium: Atoomabsorpsie	7.25	124.05	4.83	82.64
4096	Mercury: Atomic absorption • Kwik: Atoomabsorpsie	18.12	310.03	12.08	206.69
4098	Copper: Atomic absorption • Koper: Atoomabsorpsie	18.12	310.03	12.08	206.69
4105	Protein electrophoresis • Proteien-elektroferese	9	153.99	6	102.66
4106	IgG sub-class 1, 2, 3 or 4: Per sub-class • IgG subklas 1, 2, 3 of 4: Per subklas	29	342.20	13.2	225.85
4109	Phosphate • Fosfaat	3.62	61.94	2.41	41.24

		Pathologist Patoloog		Other Specialists and General Practitioners Ander Spesialiste en Algemene Praktisyns	
		U/E	R	U/E	R
4111	Phospholipids ● Fosfolipiede	3.15	53.90	2.1	35.93
4113	Potassium ● Kalium	3.62	61.94	2.41	41.24
4114	Sodium ● Natrium	3.62	61.94	2.41	41.24
4117	Protein: total ● Proteïen: totaal	3.11	53.21	2.07	35.42
4121	pH. pCO ₂ or pO ₂ each ● pH. pCO ₂ of pO ₂ : elk	6.75	115.49	4.5	77.00
4123	Pyruvic acid ● Pirodruiwesuur	4.5	77.00	3	51.33
4125	Salicylates ● Salisilate	4.5	77.00	3	51.33
4126	Secretin-pancreozymin responds ● Sekretien-pankreasimien-respons	26.1	446.57	17.4	297.71
4127	Caeruloplasmin ● Seruloplasmien	4.5	77.00	3	51.33
4128	Phenylalanine: Quantitative ● Feniëalanien: kwantitatief	11.25	192.49	7.5	128.33
4129	Glutamate dehydrogenase (GDH) ● Glutamaat dehidrogenase (GDH)	5.4	92.39	3.6	61.60
4130	Aspartate amino transferase (AST) ● Aspartaat amino transferase (AST)	5.4	92.39	3.6	61.60
4131	Alanine amino transferase (ALT) ● Alanien amino transferase (ALT)	5.4	92.39	3.6	61.60
4132	Cretine kinase (CK) ● Kreatien kinase (CK)	5.4	92.39	3.6	61.60
4133	Lactate dehydrogenase (LD) ● Laktaat dehidrogenase (LD)	5.4	92.39	3.6	61.60
4134	Gamma glutamyl transferase (GGT) ● Gamma glutamiel transferase (GGT)	5.4	92.39	3.6	61.60
4135	Aldolase ● Aldolase	5.4	92.39	3.6	61.60
4136	Angiotensin converting enzyme (ACE) ● Angiotensien omskakelingsensiem (ACE)	9	153.99	6	102.66
4137	Lactate dehydrogenase isoenzyme ● Laktaat dehidrogenase isoensiem	10.8	184.79	7.2	123.19
4138	CK-MB: immunoinhibition/precipitation CK-MB: immunoinhibisie/presipetasie	10.8	184.79	7.2	123.19
4139	Adenosine deaminase ● Adenosien deaminase	5.4	92.39	3.6	61.60
4142	Red cell enzymes: each ● Rooiselsiensiem: elk	7.8	133.46	5.2	88.97
4143	Serum/plasma enzymes: each ● Serum/plasma ensiem: elk	5.4	92.39	3.6	61.60
4144	Transferrin ● Transferrien	11.7	200.19	7.8	133.46
4146	Lead: atomic absorption ● Lood: atoomabsorpsie.	15	256.65	10	171.10
4151	Urea ● Ureum	3.62	61.94	2.41	41.24
4152	CK-MB	12.4	212.16	8.27	141.50
4154	Myoglobin quantitative: Monoclonal immunological ● Mioglobien kwantitatief: Monoklonaal immunologies	12.4	212.16	8.27	141.50
4155	Uric acid ● Uriensuur	3.78	64.68	2.52	43.12
4157	Vitamin A-saturation test ● Vitamien A-versadigingstoets	15.3	261.78	10.2	174.52
4158	Vitamin E (tocopherol) ● Vitamien E (tokoferol)	3.6	61.60	2.4	41.06
4159	Vitamin A ● Vitamien A	6.3	107.79	4.2	71.86
4160	Vitamin C (ascorbic acid) ● Vitamien C (askorbiensuur)	2.25	38.50	1.5	25.67
4161	Trop T	20	342.20	13.33	228.08
4171	Sodium + potassium + chloride + CO ₂ + urea ● Natium + kalium + chloried + CO ₂ + ureum	15.84	271.02	10.56	180.68
4172	ELIZA or EMIT technique ● ELIZA of EMIT tegniek	12.42	212.51	8.28	141.67
4181	Quantitative protein estimation: Mancini method ● Kwantitatiewe proteien bepaling: Mancini metode	7.76	132.77	5.17	88.46
4182	Quantitative protein estimation: nephelometer ● Kwantitatiewe proteien bepaling: nefelometer	8.28	141.67	5.52	94.45
4183	Quantitative protein estimation: labelled antibody ● Kwantitatiewe proteien bepaling: gemerkte antiliggam	12.42	212.51	8.28	141.67
4185	Lactose ● Laktose	10.8	184.79	7.2	123.19
4187	Zinc: atomic absorption ● Sink: atoomabsorpsie	18.12	310.03	12.08	206.69

		Pathologist Patoloog		Other Specialists and General Practitioners Ander Spesialiste en Algemene Praktisyens	
		U/E	R	U/E	R
21.7	Biochemical tests: Urine ● Biochemiese toets: uriene				
4188	Urine dipstick, per stick (irrespective of the number of tests on stick) ● Unen doopstrokie, per strokie (ongegag die aantal toetse op die strokie)	1.5	25.67	1	17.11
4189	Abnormal pigments ● Abnormale pigmente	4.5	77.00	3	51.33
4193	Alkapton test: homogentisic acid ● Alkapton toets: homogentisien-suur	4.5	77.00	3	51.33
4194	Amino acids: quantitative (Post derivatisation HPLC) ● Aminosure: kwantitatief (Post derivatisering HDVC)	78.12	1,336.63	52.08	891.09
4195	Amino laevulinic acid ● Aminolevuliensuur	18	307.98	12	205.32
4197	Amylase ● Amilase	5.18	88.63	3.45	59.03
4199	Ascorbic acid ● Askorbiensuur	2.25	38.50	1.5	25.67
4201	Bence-Jones protein ● Bence-Jones proteïen	2.7	46.20	1.8	30.80
4203	Phenol ● Fenol	3.6	61.60	2.4	41.06
4204	Calcium: atomic absorption ● Kalsium: atoomabsorpsie	7.25	124.05	4.83	82.64
4205	Calcium: spectrophotometric ● Kalsium: spektrofotometries	3.62	61.94	2.41	41.24
4206	Calcium: absorption and excretion studies ● Kalsium: absorpsie en ekskresie studies	25	427.75	16.7	285.74
4209	Lead: atomic absorption ● Lood: atoom absorpsie	15	256.65	10	171.10
4211	Bile pigments: qualitative ● Galpigmente: kwalitatief	2.25	38.50	1.5	25.67
4213	Protein: quantitative ● Proteïen: kwantitatief	2.25	38.50	1.5	25.67
4216	Mucopolysaccharides: qualitative ● Mukopolisakkariede: kwalitatief	3.6	61.60	2.4	41.06
4217	Oxalate/Citrate: enzymatic each ● Oksalaat/Sitraat: ensiematies elk	9.38	160.49	6.25	106.94
4218	Glucose: quantitative ● Glukose: kwantitatief	2.25	38.50	1.5	25.67
4219	Steroids: chromatography (each) ● Steroïede: chromatografie (elk)	7.2	123.19	4.8	82.13
4221	Creatinine ● Kreatinien	3.62	61.94	2.41	41.24
4223	Creatinine clearance ● Kreatinien-opruiming	7.65	130.89	5.1	87.26
4227	Electrophoreses: qualitative ● Elektroforese: kwalitatief	4.5	77.00	3	51.33
4229	Uric acid clearance ● uriensuuropruiming	7.65	130.89	5.1	87.26
4231	Metabolites HPLC (High Pressure Liquid Chromatography) ● Metaboliete HDVC (Hoë Druk Vloeistof Chromatografie)	37.50	641.63	25.00	427.75
4232	Metabolites (Gaschromatography/Mass spectrophotometry) ● Metaboliete (Gaschromatografie/massa spektrofotometrie)	46.80	800.75	31.20	533.83
4233	Pharmacological/Drugs of abuse: Metabolites HPLC (High Pressure Liquid Chromatography) ● Farmakologiese/Gewoontevormende middels: Metaboliete HDVC (Hoë Druk Vloeistof Chromatografie)	37.50	641.63	25.00	427.75
4234	Pharmacological/Drugs of abuse: Metabolites (Gaschromatography/Mass spectrophotometry) ● Farmakologiese/Gewoontevormende middels: Metaboliete (Gaschromatografie/massa spektrofotometrie)	46.80	800.75	31.20	533.83
4237	5-Hydroxy-indole-acetic acid: screen test ● 5-Hidroksie-indolasynsuur: siftingstoets	2.7	46.20	1.8	30.80
4239	5-Hydroxy-indole-acetic acid: quantitative ● 5-Hidroksie-indolasynsuur: kwantitatief	6.75	115.49	4.5	77.00
4241	DELETED 2009. Indican or indole: qualitative ● GESKRAP 2009: Indikan of indool: kwalitatief				
4247	Ketones: excluding dip-stick method ● Ketone: dompelstrokiemetode uitgesluit	2.25	38.50	1.5	25.67
4248	Reducing substances ● Reduserende stowwe	1.8	30.80	1.2	20.53
4251	Metanephrines: column chromatography ● Metanefriene: kolom chromatografie	22.05	377.28	14.7	251.52
4253	Aromatic amines (gas chromatography/mass spectrophotometry) Aromatiese amiene (gas chromatografie/massaspektrofotometrie)	27	461.97	18	307.98
4254	Nitrosanaphthol test for tyrosine ● Nitrosoanftoets vir tirosien	2.25	38.50	1.5	25.67
4262	Micro Albumin-Qualitative ● Mikroalbumien Kwalitatief	4.5	77.00	3	51.33
4263	pH: Excluding dip-stick method ● pH: Dompelstrokiemetode uitgeslote	0.9	15.40	0.6	10.27
4265	Thin layer chromatography: one way ● Dunlaag chromatografie: enkelgting	6.75	115.49	4.5	77.00
4266	Thin layer chromatography: two way ● Dunlaag chromatografie: tweeringting	11.25	192.49	7.5	128.33

		Pathologist Patoloog		Other Specialists and General Practitioners Ander Spesialiste en Algemene Praktisyns	
		U/E	R	U/E	R
4267	Total organic matter screen: Infrared ● Totale organiese materiaal sifting: Infrarooi	31.25	534.69	20.83	356.40
4268	Organic acids: quantitative: GCMS ● Organiese sure: kwantitatief: GCMS	109.38	1,871.49	72.92	1,247.66
4269	Phenylpyruvic acid: ferric chloride ● Fenielpirodruiwesuur: ferrichloried	2.25	38.50	1.5	25.67
4271	Phosphate excretion index ● Fosfaat uitskeidings indeks	22.05	377.28	14.7	251.52
4272	Porphobilinogen qualitative screen: urine ● Porfobilinoogen kwalitatiewe sifting: urien	5	85.55	3.33	56.98
4273	Porphobilinogen/ALA: quantitative each ● Porfobilinoogen/ALS kwantitatief elk	15	256.65	10	171.10
4283	Magnesium: spectrophotometric ● Magnesium: spektrofotometries	3.62	61.94	2.41	41.24
4284	Magnesium: atomic absorption ● Magnesium: atoomabsorpsie	7.25	124.05	4.83	82.64
4285	Identification of carbohydrate ● Identifikasie van koolhidrate	7.65	130.89	5.1	87.26
4287	Identification of drug: qualitative ● Identifikasie van geneesmiddel: kwalitatief	4.5	77.00	3	51.33
4288	Identification of drug: quantitative ● Identifikasie van geneesmiddel: kwantitatief	10.8	184.79	7.2	123.19
4293	Urea clearance ● Ureum opruiming	5.4	92.39	3.6	61.60
4297	Copper: spectrophotometric ● Koper: spektrofotometries	3.62	61.94	2.41	41.24
4298	Copper: Atomic absorption ● Koper: atoomabsorpsie	18.12	310.03	12.08	206.69
4300	Indican or Indole: Qualitative ● Indikan of Indool: Kwalitatief	3.15	53.90	2.1	35.93
4301	Chloride ● Chloried	2.59	44.31	1.73	29.60
4307	Ammonium chloride loading test ● Ammoniumchloried-ladingstoets	22.05	377.28	14.7	251.52
4309	Urobilinogen: quantitative ● Urobilinoogen: kwantitatief	6.75	115.49	4.5	77.00
4313	Phosphates ● Fosfaat	3.62	61.94	2.41	41.24
4315	Potassium ● Kalium	3.62	61.94	2.41	41.24
4316	Sodium ● Natrium	3.62	61.94	2.41	41.24
4319	Urea ● Ureum	3.62	61.94	2.41	41.24
4321	Uric acid ● Uriensuur	3.62	61.94	2.41	41.24
4322	Fluoride ● Fluoried	5.18	88.63	3.45	59.03
4323	Total protein and protein electrophoreses ● Totale proteïene en proteïenelektroforese.	11.25	192.49	7.5	128.33
4325	VMA: quantitative ● VMA: kwantitatief	11.25	192.49	7.5	128.33
4327	Immunofixation: Total Protein, IgG, IgA, IgM, Kappa, Lambda ● Immunofiksasie: Totale proteïene, IgG, IgA, IgM, Kappa, Lambda	46.88	802.12	31.25	534.69
4335	Cystine: quantitative ● Sistien: kwantitatief	12.6	215.59	8.4	143.72
4336	Dinitrophenal hydrazine test: ketoacids ● Dinitrofenol-hidrasientoets vir ketosure	2.25	38.50	1.5	25.67
4337	Hydroxyproline: quantitative ● Hidroksieprolien: kwantitatief	18.9	323.38	12.6	215.59

		Pathologist Patoloog		Other Specialists and General Practitioners Ander Spesialiste en Algemene Praktisyns	
		U/E	R	U/E	R
21.8	Biochemical tests: Faeces • Biochemiese toetse: Fekalieë				
4339	Chloride • Chloried	2.59	44.31	1.73	29.60
4343	Fat: qualitative • Vet: kwalitatief	3.15	53.90	2.1	35.93
4345	Fat: quantitative • Vet: kwantitatief	22.05	377.28	14.7	251.52
4347	pH • pH	0.9	15.40	0.6	10.27
4351	Occult blood: chemical test • Okkulte bloed: chemiese toets	2.25	38.50	1.5	25.67
4352	Occult blood (monoclonal antibodies) • Okkulte bloed (monoklonale antiliggamete)	10	171.10	6.67	114.12
4357	Potassium • Kalium	3.62	61.94	2.41	41.24
4358	Sodium • Natrium	3.62	61.94	2.41	41.24
4361	Stercobilin • Sterkobilien	2.25	38.50	1.5	25.67
4363	Stercobilinogen: quantitative • Sterkobilinogeen: kwantitatief	6.75	115.49	4.5	77.00
21.9	Biochemical tests: Miscellaneous • Biochemiese toetse: Diverse				
4370	Vancomycin, Phenytoin, Theophylline	12.4	212.16	8.27	141.50
4371	Amylase in exudate • Amilase in eksudaat	5.18	88.63	3.45	59.03
4374	Trace metals in biological fluid: Atomic absorption • Spoorelemente in biologiese vog: atoomabsorpsie	18.13	310.20	12.08	206.69
4375	Calcium in fluid: Spectrophotometric • Kalsium in vog: Spektrofotometries	3.62	61.94	2.41	41.24
4376	Calcium in fluid: Atomic absorption • Kalsium in vog: Atoomabsorpsie	7.25	124.05	4.83	82.64
4388	Gastric contents: Maximal stimulation • Maaginhoud: Maksimum stimulasietoets	27	461.97	18	307.98
4389	Gastric fluid: Total acid per specimen • Maagsap: Totale suur per monster	2.25	38.50	1.5	25.67
4391	Renal calculus: Chemistry • Niersteen: Chemiese ontleding	5.4	92.39	3.6	61.60
4392	Renal calculus: Crystallography • Niersteen: Kristallografie	16.25	278.04	10.8	184.79
4393	Saliva: Potassium • Speeksel: Kalium	3.62	61.94	2.41	41.24
4394	Saliva: Sodium • Speeksel: Natrium	3.62	61.94	2.41	41.24
4395	Sweat: Sodium • Sweet: Natrium	3.62	61.94	2.41	41.24
4396	Sweat: Potassium • Sweet: Kalium	3.62	61.94	2.41	41.24
4397	Sweat: Chloride • Sweet: Chloried	2.59	44.31	1.73	29.60
4399	Sweat collection by iontophoresis (excluding collection material) • Sweetkolleksie deur iontoforese (kolleksie materiaal uitgesluit)	4.5	77.00	3	51.33
4400	Tryptophane loading test • Triptofaanladingstoets	22.05	377.28	14.7	251.52
21.10	Cerebrospinal fluid • Serebro spinale vog				
4401	Cell count • Seltelling	3.45	59.03	2.3	39.35
4407	Cell count, protein, glucose and chloride • Seltelling, proteïen, glukose en chloried	7.65	130.89	5.1	87.26
4409	Chloride • Chloried	2.59	44.31	1.73	29.60
4415	Potassium • Kalium	3.62	61.94	2.41	41.24
4416	Sodium • Natrium	3.52	61.94	2.41	41.24
4417	Protein: Qualitative • Proteïen: Kwalitatief	0.9	15.40	0.6	10.27
4419	Protein: Quantitative • Proteïen: Kwantitatief	3.11	53.21	2.07	35.42
4421	Glucose • Glukose	3.62	61.94	2.41	41.24
4423	Urea • Ureum	3.62	61.94	2.41	41.24
4425	Protein electrophoresis • Proteïenelektroforese	12.6	215.59	8.4	143.72

		Pathologist Patoloog		Other Specialists and General Practitioners Ander Spesialiste en Algemene Praktisyns	
		U/E	R	U/E	R
21.12	Isotopes • Isotope				
4458	Micro-albuminuria: radio-isotope method • Mikro-albuminurie: radio-isotoop metode	12.42	212.51	8.28	141.67
4459	Acetyl choline receptor antibody • Asetielcholien reseptor antiliggzaam	158.12	2,705.43	105.41	1,803.57
4463	C6 complement functional essay • C6 komplement funksionele bepaling	45	769.95	30	513.30
4466	Beta-2-microglobulin • Beta-2-mikroglobulien	12.42	212.51	8.28	141.67
4469	S-S100	20	342.20	13.33	228.08
4452	Bone-Specific Alk. Phosphatase • Been alkaliese fosfatase	20	342.20	13.33	228.08
4479	Vitamin B12-absorption: Shilling test • Vitamien B12-absorpsie: Shillingtoets	11.7	200.19	7.8	133.46
4480	Serotonin • Serotonien	18.75	320.81	12.5	215.88
4482	Free thyroxine (FT4) • Vry tiroksien (FT4)	17.48	299.08	11.65	199.33
4484	Thyroid profile (only with special motivation)	37.8	646.76	24.72	422.96
4485	Insulin • Insulien	12.42	212.51	8.28	141.67
4488	NT Pro BNP	47.04	804.85	33.35	570.62
4491	Vitamin B12 • Vitamien B12	12.42	212.51	8.28	141.67
4493	Drug concentration: quantitative • Middelskonsentrasie: kwantitatief	12.42	212.51	8.28	141.67
4497	Carbohydrate deficient transferrin • Koolwaterstof-gebrekkige transferrien	29.06	497.22	19.37	331.42
4499	Cortisol • Kortisol	12.42	212.51	8.28	141.67
4500	DHEA sulphate • DHEA-sulfaat	12.42	212.51	8.28	141.67
4507	Thyrotropin (TSH) • Tirotropien (TSH)	19.6	335.36	13.07	223.63
4509	Free tri-iodothyronine (FT3) • Vry trijodotironien (FT3)	17.48	299.08	11.65	199.33
4511	Renin activity • Renien aktiwiteit	18.9	323.38	12.6	215.59
4516	Follitropin (FSH) • Follitropien (FSH)	12.42	212.51	8.28	141.67
4517	Lutropin (LH) • Lutropien (LH)	12.42	212.51	8.28	141.67
4522	Alpha-Feto protein • Alfa-fetoproteïen	12.42	212.51	8.28	141.67
4523	ACTH • AKTH	21.74	371.97	14.49	247.92
4524	Free PSA • Vry PSA	20	342.20	13.33	228.08
4527	Gastrin • Gastrien	12.42	212.51	8.28	141.67
4528	Ferritin • Ferritien	12.42	212.51	8.28	141.67
4530	Antiplatelet antibodies • Antiplaatjie antiligggame	15.3	261.78	10.2	174.52
4531	Hepatitis: per antigen or antibody • Hepatitis: per antigeen of antiliggzaam	14.49	247.92	9.66	165.28
4532	Transcobalamine • Transkobalamien	12.42	212.51	8.28	141.67
4533	Folic acid • Foliensuur	12.42	212.51	8.28	141.67
4536	Erythrocyte folate • Rooisel foliensuur	17.48	299.08	11.65	199.33
4537	Prolactin • Prolaktien	12.42	212.51	8.28	141.67
4538	Procalcitonin: qualitative	32	547.52	21.33	364.96
4539	Procalcitonin: Quantitative	46	787.06	30.67	524.76
21.13	After hour service and travelling fees (applicable to pathologists only) • Buite normale werksure en reisgelde (slegs van toepassing op patoloë)				
	Miscellaneous • Diverse				
4544	Attendance in theatre • Teenwoordigheid in teater	27	461.97		-
4547	After hour service: (Monday to Friday) 17:00 to 08:00. Saturday 13:00 to Monday 08:00 and public holidays • Diens buite normale werksure (Maandag tot Vrydag) 17:00 tot 08:00. Saterdag 13:00 tot Maandag 08:00 en openbare vakansiedae	Tariff/Tarief + 50%	Tariff/Tarief + 50%		
4549	Minimum fee for after hour service • Minimumgelde vir diens buite normale werk-ure	6.3	107.79		-
4551	Fees not detailed in the above Pathology Schedule (section 21) are obtainable from the National Pathology Group of the SAMA, and will be based on the fee for a comparable service in the Tariff of fees • Gelde vir dienste nie vermeld in die voorafgaande Patologie skedule (afdeling 21), is verkrygbaar van die Nasionale Patologiesgroep van die SAMA en sal baseer word op die gelde van 'n vergelykbare diens in die Tarief				

		Pathologist Patoloog		Other Specialists and General Practitioners Ander Spesialiste en Algemene Praktisyns	
		U/E	R	U/E	R
22.	ANATOMICAL PATHOLOGY • ANATOMIESE PATOLOGIE				
	The amounts in this section are calculated according to the Anatomical Pathology unit values • Die bedrae in hierdie afdeling word volgens die Anatomiese Patologie eenheidswaardes bereken				
22.1	Exfoliative cytology • Eksfoliatiewe sitologie				
4561	Sputum and all body fluids: First unit • Sputum en alle liggaamsvog: Eerste eenheid	13.4	226.19	8.9	150.23
4563	Sputum and all body fluids: Each additional unit • Sputum en alle liggaamsvog: Elke addisionele eenheid	7.8	131.66	5.2	87.78
4564	Performance of fine-needle aspiration for cytology • Uitvoer van fynnaald aspirasie vir sitologie	15	253.20		
22.2	Histology • Histologie				
4567	Histology per sample/specimen each • Histologie per monster, elk	20	337.60	13.3	224.50
4571	Histology per additional block each • Histologie per blok, elk	11.6	195.81	7.7	129.98
4575	Histology and frozen section in laboratory • Histologie en bevrore snit in laboratorium	22.7	383.18	15.1	254.89
4577	Histology and frozen section in theatre Histologie en bevrore snit in operasiesaal	90	1,519.20	60	1,012.80
4578	Second and subsequent frozen sections, each Tweede en daaropvolgende bevrore snitte, elk.	20	337.60	13.4	226.19
4579	Attendance in theatre - no frozen section performed Teenwoordigheid in teater - sonder dat bevrore snit uitgevoer is	26.3	443.94	17.5	295.40
4582	Serial step sections (including 4567) • Seriesneë (ingeslote 4567)	23.3	393.30	15.6	263.33
4584	Serial step sections per additional block each • Seriesneë, per bykomende blok elk	13.5	227.88	9	151.92
4587	Histology consultation • Histologie konsultasie	10.1	170.49	6.7	113.10
4589	Special stains • Spesiale kleuring	6.7	113.10	4.5	75.96
4591	Immuno-fluorescence/studies • Immuno-fluoresiën/studies	20.7	349.42	13.8	232.94
4593	Electron microscopy • Elektron-mikroskopiese ondersoek	94	1,586.72	63	1,063.44
4650	Autogenous vaccine • Outogene vaksien	8	135.04	5.33	89.97
4651	Entomological examination • Entomologiese ondersoeke	13.9	234.63	9.27	156.48

	Specialist Spesialis		General practitioner Algemene Praktisyn	
	U/E	R	U/E	R
IV. TRAVELLING EXPENSES • REISKOSTE				
Refer to General Rule P P • Verwys na Algemene Reël P				
P. Travelling fees • Reiselde:				
(a) Where, in cases of emergency, a practitioner was called out from his residence or rooms to a patient's home or the hospital, travelling fees can be charged according to the section on travelling expenses (section IV) if more than 16 kilometres in total had to be travelled • Waar 'n praktisyn in noodgevalle vanaf sy huis of kamers na 'n pasiënt se woning of 'n hospitaal uitgeroep word, kan reiselde gehef word volgens die afdeling aangaande reiskoste (afdeling IV) indien meer as 16 kilometers in totaal gereis moes word.				
(b) If more than one patient are attended to during the course of a trip, the full travelling expenses must be divided between the relevant patients • Indien meer as een pasiënt tydens 'n reis aandag geniet, moet die volle reisegeld pro rata tussen die pasiënte verdeel word.				
(c) A practitioner is not entitled to charge for any travelling expenses or travelling time to his rooms • 'n Praktisyn is nie geregtig om fooie te hef vir enige reiskoste of reistyd na sy kamers nie.				
(d) Where a practitioner's residence is more than 8 kilometres away from a hospital, no travelling fees may be charged for services rendered at such hospitals, except in cases of emergency (services not voluntarily scheduled) • Waar 'n praktisyn se woning meer as 8 kilometers vanaf 'n hospitaal geleë is, mag geen reiselde gehef word vir dienste gelewer in sodanige hospitale nie, behalwe in noodgevalle (onwillekeurig geskeduleerde dienste).				
(e) Where a practitioner conducts an itinerant practice, he is not entitled to charge fees for travelling expenses except in cases of emergency (services not voluntarily scheduled) • Waar 'n praktisyn 'n rondreispraktijk bedryf, is hy nie geregtig om reiselde te hef nie, behalwe in noodgevalle (onwillekeurig geskeduleerde dienste).				
When in cases of emergency (refer to general rule P), a doctor has to travel more than 16 kilometres in total to visit an employee, travelling costs can be charged and shall be calculated as follows • Wanneer 'n praktisyn in noodgevalle (verwys na algemene reël P), meer as 16 kilometers in totaal moet reis om 'n werknemer te besoek, kan reiskoste gehef word en word dit soos volg bereken:				
Consultation, visit or surgical fee PLUS • Konsultasie, besoek of chirurgiese geide PLUS				
5001	Cost of public transport and travelling time or item 5003 • Koste van openbare vervoer en reistyd of item 5003.			
5003	R5.00 per km for each kilometre in excess of 16 kilometres travelled in own car: 19 km total = 3 x R5.00 = R15.00 (no travelling time) • R5.00 per km vir elke kilometer verder as 16 kilometer in totaal afgeleë in eie motor: 19 km totaal = 3 x R5.00 = R15.00 (geen reistyd).			
Travelling time (Only applicable when public transport is used) • Reistyd (Slags van toepassing wanneer van openbare vervoer gebruik gemaak word.)				
5005	18	295.92		
5007			18	295.92
5009	27	443.88		
5011			27	443.88
5013	Travelling fees are not payable to practitioners who assisted at operations on cases referred to surgeons by them • Reiselde is nie betaalbaar indien 'n mediese praktisyn 'n afstand reis om as assistent behulpsaam te wees by 'n operasie op 'n pasiënt deur homself na die chirurg verwys nie			
5015	Travelling expenses may be charged from the medical practitioner's residence for calls received at night or during weekends in cases where travelling fees are allowed • Reiskoste kan vir reise van die mediese praktisyn se woonhuis of in antwoord op oproepe ontvang gedurende die nag of naweke geëis word, in gevalle waar reisegeld gehef mag word			

COIDA tariff for Medical Practitioners

THE UNIT VALUES FOR THE VARIOUS GROUPS AND SECTIONS AS FROM 1 APRIL 2012 ARE AS FOLLOWS:

EENHEIDSWAARDES TEN OPSIGTE VAN DIE VERSKEIE GROEPE EN AFDELINGS SOOS VANAF 1 APRIL 2012:

	Groups and Sections / Groepe en Afdelings	Unit Value / Eenheidswaarde
1.	Consultation Services codes 0146 & 0109 / Konsultasiedienste kodes 0146 & 0109	R 16.44
	Consultation Services: codes 0181; 0182;0183,0184,0186 0151/ Konsultasiedienste: kodes 0181; 0182;0183,0184,0186 0151	R 16.74
	Audiology and Speech therapy consultations: 1011, 1012, 1013	R 7.15
2.	Clinical procedures / Kliniese prosedures	R 16.44
3.	Anaesthetics / Narkose	R 76.81
4.	Radiology & MRI / Radiologie & MRB	R 17.19
5.	Radiation Oncology / Stralingsonkologie	R 18.08
6.	Ultrasound / Ultraklank	R 16.24
7.	Computed Tomography / Rekenaartomografie	R 16.52
8.	Clinical Pathology / Kliniese Patologie	R 17.11
9.	Anatomical Pathology / Anatomiese Patologie	R 16.88

Note : The unit value and amounts published in the tariff is **VAT Exclusive**
Neem kennis : Die eenheidswaarde en bedrae gepubliseer in die tarief is **BTW Uitgesluit**

COIDA & RSSA Indications for MRI and CT I maging of injury on duty Patients

Select the appropriate injury, modality and indication to be used in conjunction with a MRI/CT

Annexure A - MRI motivation form for employee's injured on duty

Annexure B - COIDA and RSSA indication for MRI and CT Imaging of injury on duty Patients

Annexure C - Indications for plexus and peripheral nerve block

Annexure: A
The Department of Labour: Compensation Fund

MRI Motivation Form for Employee's Injured on Duty

Claim Number:

Employee's Name:

Employees ID No:

Name of Employer:

Date of Accident / Injury:

Type of Injury:

Brief description of how
injury occurred:Previous clinic / imaging
investigations done, and dates:

Imaging investigation required:

Motivation / Clinical indications
for the investigation:

Requesting Doctors Name:

Practice Number:

Date of Referral

This form should preferably be typed .

Annexure: B**COIDA & RSSA–Indications for MRI and CT Imaging of Injury on Duty Patients**

Select the appropriate injury, modality and indication. To be used in conjunction with a MRI / CT motivation. Refer also to the document "Guidelines for Imaging of MRI and other studies for Injury on Duty Patients"

 Head Injury - Acute (1) (Acute regarded as within first week of date of injury)

- | | |
|-----------------------------|---|
| <input type="checkbox"/> CT | <input type="checkbox"/> Reduced level of consciousness (1.i.a) |
| | <input type="checkbox"/> Seizures (1.i.b) |
| | <input type="checkbox"/> Neurological deficit (1.i.c) |
| | <input type="checkbox"/> Skull or facial bone fractures (1.i.d) |

 Head + Cervical Spine Injury – Acute (2)

- | | |
|---|---|
| <input type="checkbox"/> CT | <input type="checkbox"/> Head as above (2.i) |
| | <input type="checkbox"/> CT Spine (bone or joint injury) depending on result spine x-ray (2.ii) |
| <input type="checkbox"/> MRI – in selected cases following a CT (2.iii) | |

 Head Injury – Sub acute

- | | |
|------------------------------|---|
| <input type="checkbox"/> MRI | <input type="checkbox"/> Rotational axonal injury (2.d) |
| | <input type="checkbox"/> Chronic subdural haemorrhage |

 Head Injury - long term sequela (3)

- | | |
|------------------------------|--|
| <input type="checkbox"/> CT | <input type="checkbox"/> If convulsions present in semi acute phase, do CT first (3.b) |
| <input type="checkbox"/> MRI | <input type="checkbox"/> Epilepsy (contrast and additional sequences often required) (3.a) |
| | <input type="checkbox"/> Long term structural changes (3.c) |

 Spine – Acute

- | | |
|------------------------------|---|
| <input type="checkbox"/> CT | <input type="checkbox"/> Bone or joint injury (4.i) |
| <input type="checkbox"/> MRI | <input type="checkbox"/> Cord compression (5.i) |
| | <input type="checkbox"/> Neurological signs (nerve root) (5.ii) |
| | <input type="checkbox"/> Vertebral body fracture (selected cases) (5.iii) |

 Spine – sub acute and long term sequela

- | | |
|------------------------------|---|
| <input type="checkbox"/> MRI | <input type="checkbox"/> Cord injury (6.i) |
| | <input type="checkbox"/> Disc herniation (6.ii) |
| | <input type="checkbox"/> Post operative assessment (selected cases) (6.iii) |

 Chest / Body Injury (7)

- | | | | |
|-----------------------------|---|---|---|
| <input type="checkbox"/> CT | <input type="checkbox"/> Sternal fracture | <input type="checkbox"/> Vascular of lung | <input type="checkbox"/> Other organs / soft tissue |
|-----------------------------|---|---|---|

 Extremities

- | | |
|------------------------------|--|
| <input type="checkbox"/> CT | <input type="checkbox"/> Complicated fractures and dislocations (10) |
| <input type="checkbox"/> MRI | <input type="checkbox"/> Muscle distal biceps insertion (9) |
| | <input type="checkbox"/> Cartilage, tendons, labrum, soft tissue of joints (8.iii.a) |
| | <input type="checkbox"/> Planning repair of joints (8.iii.b) |
| | <input type="checkbox"/> Knee, elbow, ankle (usually no contrast) (8.iii.d) |
| | <input type="checkbox"/> Shoulder, wrist, hip (usually with contrast) (8.iii.c) |

The numbers after the indications refer to the document "Guidelines for Imaging of MRI and other studies for Injury on Duty Patients". The above indications are not exhaustive, and are merely a selection of the more common indications.

Annexure: C

Item 2800 and 2802 as part of anaesthesia

2800 – Plexus nerve block

2802 – Peripheral nerve block

The motivation for the use of one of these codes in addition to that for the “normal” anaesthesia is that it controls post operative pain and minimises the use of pain injections / medication and encourages early mobilisation.

It is reasonable if the injury / surgery is of sufficient nature to expect much pain post operatively, such as in the fracture of a long bone that was surgically reduced and fixated.

It is however not reasonable in cases of a simple fracture to a hand bone / foot bone or uncomplicated amputation of a finger / toe or other simple procedures.

Examples of claims where I have found the use reasonable:

- open reduction / internal fixation of a femur / tibia – fibula / humerus / radius – ulna
- total knee replacement / total hip replacement

Examples where the use of the codes is not reasonable:

- one fracture in the hand / foot treated surgically
- amputation finger / toe or part of finger / toe
- arthroscopy of the ankle / knee / shoulder

I have seen one claim for a “crushed foot” where I accepted the use of the code because of many fractures and multiple procedures in one operation.

Item 2800 and 2802 as part of treatment

There also are instances where the use of the codes is part of the treatment (no surgery performed and is not part of general anaesthesia as such). This is why the codes were put into the tariff structure in the first place.

Multiple rib fractures are treated with a nerve block for pain management and that would be acceptable.

ANAESTHESIA GUIDELINES TO BILLING 2012

Services involving administration of anaesthesia are reported by the use of the Doctors Guide to Billing codes plus modifier codes defined under Anaesthesia Modifiers.

1. To report regional or general anaesthesia provided by a medical practitioner also performing the services for which the anaesthesia is being provided, it should be noted that a doctor should usually perform either the role of the operating surgeon or the anaesthesiologist, but not both. When the anaesthesiologist, other than the medical practitioner performing the procedure, provides anaesthesia services as specified in these guidelines (conscious sedation or otherwise), the anaesthesia codes should be reported.

2. These services may include but are not limited to general, regional, supplementation of local anaesthesia, or other supportive services to afford the patient the anaesthesia care deemed optimal by the anaesthesiologist during any procedure. Monitored anaesthesia care is included in the service and the reporting of any professional anaesthesia services is reported as if a general anaesthetic was administered.

3. These services include the anaesthesia care during the procedure, the administration of fluids and/or blood and the usual monitoring services (e.g. ECG, temperature, blood pressure, oximetry, and capnography). Unusual forms of monitoring (e.g. intra-arterial, central venous and Swan-Ganz) are not included.

4. The use of special equipment, if owned by the practitioner, namely nerve stimulators, fiberoptic bronchoscopes, ultrasound machines - for placement of CVP/nerve blocks, PCA devices and syringe pumps, is not included and billed in addition.

5. Complications and sensitivity encountered by the patient during a procedure:

- An anaesthesiologist / anaesthetist is obliged to report back in writing to the patient, the referring practitioner and the surgeon who performed the procedure, of any complications and reactions encountered during anaesthesia
- A copy of such report should be kept by the anaesthesiologist / anaesthetist for future reference.

The Evaluation / Management consultation services are in addition to the above services. **2**

EVALUATION / MANAGEMENT CONSULTATION SERVICES

These include:

Pre-operative assessment (codes 0151-0153). This is face-to-face time spent with the patient, assessing prior medical and surgical history, medication and allergic history, prior anaesthetics, examination and discussion of anaesthetic techniques and risk, ordering of appropriate investigations and ordering of any pre-operative medication. This assessment may also be done in the theatre admission area, and whilst this is not ideal, it is understood that due to late admissions on the day of surgery and other explanations it is not always possible to see the patient in the ward.

If the pre-operative assessment is not followed by an operation, it would be regarded as a Consultation and items 0173-0175 for In-hospital Consultations and items 0190-0192 for Consultations in own rooms, will apply (see modifier 0024)

Unscheduled emergency consultation service, without travel (code 0146) and with travel (code 0147). Only one of these items may be used as an add-on to the consultation service (codes 0151-0153, 0173-0175) if, the procedure is unbooked/unscheduled (i.e. not booked on a scheduled slate, or booked as an add-on to an elective slate after the theatre slates have been finalised by the theatre booking secretary) and surgery is of an emergency diagnosis (i.e. failure to treat within a restricted time-period of 24hrs may well result in loss of life, limb or significant complications).

Post-operative assessments (code 0109). Anaesthesiology does not have a global fee component and therefore if cardio-respiratory, pain or any other assessment or intervention is necessary, this code will apply.

Consultation services provided at own consultation rooms (including pain clinic consultations) done prior to the anaesthetic to assess fitness for anaesthesia and to improve physical status prior to an anaesthetic, codes 0190-0193, will apply.

REPORTING OF ANAESTHESIA SERVICES

All anaesthesia values are determined by adding a Basic Unit Value, which is related to the complexity of the service, plus Time Units, plus Modifying Units (if any).

Basic value or base unit: the basic value, also referred to as the base unit or relative value, is listed for anaesthetic management of most surgical procedures. This includes the value of all usual anaesthesia services except for the time actually spent in anaesthesia care and any modifiers.

The basic value units have two components:

One component reflects all usual services included in the anaesthesia service. Usual services include: administration of fluids and/or blood products incident al to the procedure and interpretation of non-invasive monitoring (ECG, temperature, blood pressure, oximetry and capnography).

The second component reflects the relative work or cost of the specific anaesthesia service. Cost in this context refers to the medical practitioner's expertise/training/ risk. For example, the basic value for the anaesthesia service related to a closed reduction of a radius fracture might be 3,00 anaesthetic units, as it has a relatively low level of work or cost. The basic value for an anaesthesia service associated with an intrathoracic coronary artery bypass graft procedure might be 15,00 anaesthetic units, reflecting a high level of work or cost.

Two exceptions to using the basic value are listed, namely:

A minimum basic value of 4,00 anaesthetic units are allowed for all procedures of the head, neck or shoulder girdle, requiring field avoidance (code 0034).

In addition, any procedure performed in any position other than lithotomy or supine has a minimum basic value of 4,00 anaesthetic units (item 0032).

If the anaesthesia code associated with the surgical procedure carries a basic value greater than four, the higher basic value is reported. 3

Excluded from the Basic Unit Value are:

Unusual forms of monitoring e.g. placement of intra-arterial, central venous and pulmonary artery catheters,
Use of trans-oesophageal echocardiography (TEE)
Use of special equipment.

TIME (CODE 0023):

Anaesthetic time is the actual time spent providing the anaesthesia service. Time begins as the anaesthesiologist prepares the patient for anaesthesia care in the operating room or in an equivalent area. Time ends when the personal attendance of the anaesthesiologist is no longer required and the patient can be safely placed in post-anaesthesia recovery under the supervision of nursing or other trained personnel. Should a second patient receive an anaesthetic before the discharge of the first patient from the recovery unit, then the anaesthetic time for the first patient shall cease.

Time is reported in units based on defined time increments. For the first hour of anaesthesia 2,00 anaesthetic units are allocated to each 15 minute period or part thereof, thereafter 3,00 anaesthetic units are allocated per each 15 minute period or part thereof. On some anaesthesia services, time is not reported additionally. A '+T' is designated after the base unit for procedures requiring time reported separately. Do not list time separately for procedures without this designation.

RAND CONVERSION FACTOR (RCF):

Anaesthesia charges must be calculated by means of a conversion factor since the charges are not based on fixed amounts. The conversion factor is the Rand value associated with each unit of anaesthesia. The Rand conversion factor is multiplied by the total number of anaesthesia units (basic, time and modifiers, if applicable) for a given anaesthesia service, to arrive at the total charges for the anaesthesia service.

Standard formula: The total anaesthesia units for a given anaesthesia service are determined by using the total units multiplied by the Rand Conversion Factor (RCF). The total charge for a specific anaesthesia service is calculated by means of the following formula:

Basic value + Time units + Modifying units = Anaesthetic units

Additional Procedure units x RCF + Consult units x RCF + Anaesthetic units x RCF = Total fee for the procedure

MONITORED (STAND-BY) ANAESTHESIA

Monitored anaesthesia care is defined as instances where an anaesthesiologist has been requested to provide specific services to a patient undergoing a planned procedure. The patient receives either local anaesthesia or no anaesthesia. However, the anaesthesiologist is required to provide pre-operative assessment, to remain in attendance during the procedure to monitor the patient and to administer additional anaesthetics should it be required and to provide post-operative services as required.

Monitored care, as described above, is any other anaesthesia procedure. The procedure should be assigned the applicable anaesthesia code with time and modifying units being added as for general anaesthesia.

When an anaesthesiologist is requested by the attending medical practitioner to be present in the operating room to monitor vital signs and manage the patient on an anaesthesia level, even though the actual surgery is being done under local anaesthesia, calculations will be the same as if general anaesthesia had been administered (time + base value).

Stand-by anaesthesia is generally accepted without motivating documents for the following:

Vaginal deliveries

Subdural haematomas

Vascular imaging and interventional procedures e.g. angioplasty, stents, embolectomy and filters

Interventional radiology

Patients with physical status ASA 3 or ASA 4

Insertion of a cardiac pacemaker, cardiac catheterizations and coronary angiograms and coronary stents

Cataract extraction and/or lens implant

MORE THAN ONE ANAESTHESIOLOGIST – MODIFIER 0029

When it is necessary to have a second anaesthesiologist it is recommended that the remuneration for the second anaesthesiologist shall be calculated at the same rate for the first hour and thereafter at 80% of the principal specialist rate, and the time charged is for the actual time in attendance.

Pre-operative assessment is not chargeable and may also not charge for the modifiers 0037 to 0044 or the orthopaedic modifiers 5441 to 5448.

Either the principal anaesthesiologist or the assistant anaesthesiologist may charge for the placement of the invasive monitoring lines, namely codes 1215 to 1218.

The monetary value of modifier 0029 will not be less than 7,00 anaesthetic units (refer to modifier 0035).

CONSCIOUS SEDATION – MODIFIER 0020

Conscious sedation (CS) is a drug-induced depression of consciousness during which patients respond purposefully to verbal commands, either alone or by light tactile stimulation. A distinction is also made between light sedation and deep sedation (conscious sedation).

In light sedation, the patient responds to verbal or tactile stimuli, no airway intervention is required, spontaneous ventilation is adequate and the cardio-vascular function is usually maintained.

In deep sedation (conscious sedation) purposeful response is only after repeated or painful stimuli, airway intervention may be required, spontaneous ventilation may be inadequate and cardio-vascular function is maintained.

Conscious sedation is therefore seen as an anaesthetic technique. According to a HPCSA Ruling (April 1987 Vol 6 p 295) a medical practitioner 'was not permitted to perform procedures and simultaneously administer the anaesthetic'. If deep sedation (conscious sedation as per the definition above) was provided, a second practitioner had to be present to monitor the patient during the sedation period.

The following will apply to conscious sedation cases:

1. Conscious sedation performed by the operator: No additional fee may be charged for the conscious sedation if it is performed by the operator, except to remunerate him/her for the medicine used during the treatment if it is supplied by the operator. The conscious sedation in this scenario is included in the fee for the procedure performed.

2. Conscious sedation performed by the operator with a second person (anaesthesiologist) participating in the general care of a patient during a surgical procedure: The anaesthesiologist is remunerated at the usual anaesthetic rates. Thus the operator under the "supervision of a second person" performs the conscious sedation in this scenario. No fee is charged by the operator for performing the conscious sedation. However, the anaesthesiologist on stand-by charges for a general anaesthetic as appropriate.

3. Conscious sedation performed by an anaesthesiologist (not the operator): The account is rendered as for general anaesthesia. Conscious sedation is an anaesthetic technique that should be handled in the same way as for example an epidural anaesthetic.

4. This code may need to be used to indicate on the anaesthetic account that the procedure was performed in an unattached theatre suite as there may often not be an associated hospital theatre account.

EMERGENCY SURGERY FOR THEATRE PROCEDURES (MODIFIER 0011)

Any bona fide, justifiable emergency procedure (all hours), undertaken in an operating theatre, will attract an additional 12,00 clinical units per half-hour or part thereof of the operating time for all members of the surgical team. The conditions as outlined in the use of codes 0146 or 0147 applies 5

Item 0147 is appropriate for anaesthesiologists/anaesthetists during after-hour periods only where the Compensation Fund is responsible for the account in cases of emergency which may or may not necessitate an anaesthetic (refer to Rule B).

PAIN MANAGEMENT

Normal post-operative pain management includes oral, intramuscular or intravenous medications. Normal post-operative pain management provided by the surgeon and/or anaesthesiologist is included in the global fee for the surgical procedure.

Some procedures and/or patients require more than the usual type of post-operative pain management and this is frequently provided or supervised by an anaesthesiologist. These services are additional procedures and are reported as follows:

An Intrathecal or spinal injection for pain management is reported with code 2799.

Epidural or sub-arachnoid (code 2801) pain management is reported with the appropriate procedure codes for the placement of an epidural or caudal block.

Plexus nerve block (Code 2800) is reported for the following more complex blocks - Brachial plexus block, Cervical plexus block, Axillary nerve block, Multiple ipsilateral intercostal nerve blocks, Sciatic nerve block, Femoral nerve block, Paravertebral block, Psoas compartment block, Celiac plexus block, Phrenic nerve block, Vagus nerve block, Facial nerve block, Trigeminal nerve block, Stellate ganglion block, Superior hypogastric plexus, Sphenopalatine ganglion.

Inserting an indwelling nerve catheter (code 2804) is reported if a catheter is inserted with a spinal (code 2799), plexus block (code 2800) or an epidural (code 2801).

Patient-controlled analgesia (PCA) is reported with code 1220 plus 1221 if appropriate on a per-day basis. Code 0201 is appropriate for the cost of material used in treatment and is also applicable for disposable PCA devices purchased and provided by practitioners.

Indications for use of PCA (intravenous or epidural):

- Intrathoracic cases
- Major vascular cases (aortic, carotid, iliac, femoral, brachial arteries)
- Intra-abdominal procedures (gastric and bowel procedures, renal, hysterectomy, prostatectomy)
- Major orthopaedic procedures (joint replacements, spinal surgery, internal fixation of long-bones)
- Major head and neck procedures (neck dissections)
- Major plastic or soft tissue procedures (mastectomy, extensive skin graft, burns, abdominoplasty)
- Labour and post-caesarian section
- Acute herpes zoster
- Sickle cell crisis

Post-operative pain management services are not calculated based on time. These services are reported as a single, daily charge.

Procedures for chronic pain management (example epidural for pain) is only charged as a consultation service (0173-0175 or 0190-0192) plus the procedure code 2801 plus 2804 if appropriate – note there is no fee for anaesthetic time.

Epidurals and Spinals

- If used as the anaesthetic technique then the placement of the epidural (code 2801) or spinal (code 2799) is not charged and the fee should be as a general anaesthetic.
- If inserted during a general anaesthetic then code 2801 and if appropriate 2804 can be charged.
- If an epidural is repeated at a different level due to a CSF leak at the time of initial insertion, it is considered as only one procedure.
- If it is resited at a different occasion, it becomes a separate and additional procedure.
- Code 2801 is appropriate for epidural blood patches that are performed on the second or subsequent day after the inadvertent spinal tap.

ANAESTHETIC OBSTETRIC GUIDELINES TO BILLING:

Epidural insertion for labour

Pre-anaesthetic consultation (0151) charged plus 0146 or 0147 (as appropriate) unless elective induction of labour.

Time charged using modifier 0023 of actual time spent attending to the patient, usually between 45-60 minutes (8 time units).

Epidural PCA is a routine norm for a labouring parturient and procedure code 1220 plus 1221 (if equipment owned by practitioner) is appropriate.

When epidural analgesia is administered, an anaesthesiologist may attend to more than one patient. The anaesthesiologist may insert the epidural catheter, start the continuous anaesthetic and leave the patient's bedside. The anaesthesiologist periodically returns to check on the patient or to increase the amount of anaesthetic while attending to other patients who are also receiving epidurals for vaginal deliveries.

Once an anaesthesiologist has committed to providing epidural pain relief during labour they are committed to remain available to manage any obstetric emergency.

Epidural labour patients progressing to caesarean

- If the same operator who inserted the epidural is involved in the caesarean section then:

No additional pre-anaesthetic consultation fee (0151) but 0146 or 0147 as appropriate.

Additional top-up times may be charged for the time spent with the patient prior to admission to the theatre.

Thereafter standard general anaesthetic reimbursement as if a separate procedure.

- If another anaesthesiologist is used for the caesarean, then:

Another consultation service is charged plus 0146 or 0147 as appropriate.

There-after standard general anaesthetic reimbursement as if a separate procedure.

MODIFIERS TO BE USED IN ANAESTHETICS

All anaesthesia services are reported by use of the procedure codes plus the use of other optional modifiers as may be appropriate.

1. Code **0018** - Surgical modifier for persons with a BMI of 35+ (calculated according to kg/m²):

A 50% increase in anaesthetic time units for anaesthesiologists

2. Code **0019** - Surgery on neonates (up to and including 28 days after birth) and low birth weight infants (less than 2500g) under general anaesthesia (excluding circumcision):

A 50% increase in anaesthetic time units for anaesthesiologists

3. Code **0032** - Patients in prone position: Anaesthesia administered to patients in the prone position shall have a minimum of 4,00 basic anaesthetic units. When the basic anaesthetic units for the procedure is 3,00, one extra anaesthetic unit should be added. If the basic anaesthetic units for the procedure is 4,00 or more, no extra units should be added

4. Code **0034** - Head and neck procedures: All anaesthetics administered for diagnostic, surgical or X-ray procedures on the head and neck shall have a minimum of 4,00 basic anaesthetic

units. When the basic anaesthetic units for the procedure is 3,00, one extra anaesthetic unit should be added. If the basic anaesthetic units for the procedure is 4,00 or more, no extra units should be added

5. Code **0037** - Body hypothermia: Utilisation of total body hypothermia: Add 3,00 anaesthetic units

6. Code **0038** – Peri-operative blood salvage: Add 4,00 anaesthetic units for intra-operative blood salvage and 4,00 anaesthetic units for post-operative blood salvage

Peri-operative blood salvage is appropriate for the collection of autologous blood intra-operatively and for the administering of salvaged blood (either from cell-saver or re-infusion drains) in the post-operative period.

7. Code **0039** – Control of blood pressure: Deliberate control of the blood pressure: All cases up to one hour: Add 3,00 anaesthetic units, thereafter add 1,00 (one) additional anaesthetic unit per quarter hour or part thereof. This modifier code is used for:

Improved surgical exposure (mastoidectomy, tympanoplasty, spinal surgery, major neck dissections, endoscopic sinus drainage, mandibular or maxillary osteotomy, total hip replacement, shoulder surgery).

Maintain perfusion pressures (cardiac surgery, craniotomy for tumour/aneurysm, major vascular surgery, carotid endarterectomy, major plastic free flaps, vasoactive tumours – phaemochromoctoma/carcinoid syndromes, pre-eclamptic or eclamptic patients, and shocked trauma cases on inotropic support).

Invasive monitoring is not regarded as mandatory for the appropriate use of this code.

8. Code **0040** - Phaeochromocytoma: The basic anaesthetic units for procedures performed for phaeochromocytoma shall be 15,00 anaesthetic units

9. Code **0041** - Hyperbaric pressurisation: Utilisation of hyperbaric pressurisation: Add 3,00 anaesthetic units

10. Code **0042** - Extracorporeal circulation: Utilisation of extracorporeal circulation: Add 3,00 anaesthetic units

11. Code **0043** - Patients under one year of age: For all cases where the patient is under one year of age – 3,00 anaesthetic units to be added

12. Code **0044** – Neonates (i.e up to and including 28 days after birth): 3,00 anaesthetic units to be added to the basic anaesthetic units for the particular procedure. This modifier is charged in addition to Modifier 0043: Cases under one year of age

13. Modifiers used for musculo-skeletal procedures (code **5441-5448**):

If anaesthetic is administered for procedures on more than one category of bone, the modifier for the highest category of bone concerned is applicable.

5441 Add one (1,00) anaesthetic unit, except where the procedure refers to the bones named in Modifiers 5442 to 5448

5442 Shoulder, scapula, clavicle, humerus, elbow joint, upper 1/3 tibia, knee joint, patella, mandible and temporomandibular joint: Add two (2,00) anaesthetic units

5443 Maxillary and orbital bones: Add three (3,00) anaesthetic units

5444 Shaft of femur: Add four (4,00) anaesthetic units

5445 Spine (except coccyx), pelvis, hip, neck of femur: Add five (5,00) anaesthetic units

5448 Sternum and/or ribs and musculo-skeletal procedures which involve an intra-thoracic approach: Add eight (8,00) anaesthetic units. Not appropriate for anaesthetic on open heart procedures. 8

CHRONIC PAIN MANAGEMENT SERVICES

Chronic pain management services are not anaesthesia services. These are distinct services frequently performed by anaesthesiologists who have additional training in pain management procedures. Pain management services are reported following the same rules as those for surgical procedures.

Pain management services include consultative services, trigger point injections, spine and spinal cord injections and nerve blocks. Each code for pain management services should have a specific fee selected from the appropriate codes for the services or procedures rendered. In other words, no adjustments are made based on time, physical status or qualifying circumstances. These codes may be the same as those used for nerve blocks during anaesthesia.

ANAESTHESIOLOGISTS AS CLINICIANS

It is appropriate for anaesthesiologists acting as clinicians, to charge the appropriate consultation or procedure item when rendering a service not related to the administration of an anaesthetic.

Examples are:

- Placement of intercostal drains (code 1141)
- Performing of percutaneous tracheostomy (code 1127)
- Nerve ablation procedures
- Bronchoscopy (code 1132)
- Trans-oesophageal echocardiography (code 3636, 3637, 5115)
- Pulmonary stress testing: For determination of VO₂ max (code 1199)
- Effort electrocardiogram with the aid of a special bicycle ergometer, monitoring apparatus and availability of associated apparatus (code 1234)
- Ownership of specialised equipment, namely ultrasound (code 5103) and blood-gas analyser machines, (code 4068)

SPECIFIC CODES

Code 0100 Intra-aortic balloon pump: Where an anaesthesiologist would be responsible for operating an intra-aortic balloon pump, a fee of 75,00 clinical procedure units is applicable.

Appropriate as a once-off charge if the anaesthesiologist is in total control of the pump from insertion to removal. A daily charge is not appropriate.

Code 0113 New born attendance: Emergency attendance to newborn at all hours (once per patient) (items 0107, 0109, 0111, 0145, 0146 and/or 0147 may not be added to item 0113).

The specialist fee is appropriate for anaesthesiologists.

Code 0133 Writing of special motivations for procedures and treatment without the physical presence of a patient (includes report on the clinical condition of a patient) requested by or on behalf of a third party funder or its agent.

Code 0205 Intravenous treatment: Intravenous infusions (cut-down or push-in) (patients under three years): Cut-down and/or insertion of cannula - chargeable once per 24 hours.

Chargeable by an anaesthesiologist provided it is not inserted in a theatre environment, i.e. ward, casualty or ICU/Highcare areas.

Code 0206 Intravenous treatment: Intravenous infusions (push-in) (patients over three years): Insertion of cannula - chargeable once per 24 hours.

Chargeable by an anaesthesiologist if they are not the attending doctor either in the ICU/Highcare or involved in the pre- and intraoperative management of the patient, as this fee is included in the pre-operative consult and the fee for critical care services. 9

Code 1321 Stand-by fee for coronary angioplasty.

Anaesthesiologist need not be present during the procedure, but must be available for resuscitation or emergency CABG surgery.

Code 1132 Bronchoscopy: Diagnostic bronchoscopy.

This code is chargeable by an anaesthesiologist if a diagnostic bronchoscopy is performed or for the confirmation of the correct placement of a double-lumen tube.

Code 1356 Insertion and removal of intra-aortic balloon pump (modifier 0005 not applicable)

This code can only be charged by either the surgeon or the anaesthesiologist. The person actually inserting and removing the IABP can charge the code.

Code 1780 Gastric and duodenal intubation

Appropriate to be charged by the anaesthesiologist if they have inserted the naso-gastric tube.

Code 2799 Procedures for pain relief: Intrathecal injections for pain

Code 2800 Procedures for pain relief: Plexus nerve block

The following more complex nerve blocks will be billable under this code: Brachial plexus block, Cervical plexus block, Axillary nerve block, Multiple ipsilateral intercostal nerve blocks, Sciatic nerve block, Femoral nerve block, Paravertebral block, Psoas compartment block, Celiac plexus block, Phrenic nerve block, Vagus nerve block, Facial nerve block, Trigeminal nerve block, Stellate ganglion block, Superior hypogastric plexus, Sphenopalatine ganglion.

Code 2801 Procedures for pain relief: Epidural injection for pain

Code 2802 Procedures for pain relief: Peripheral nerve block

All other peripheral nerve blocks not mentioned in code 2800.

Code 3636 Trans-oesophageal echocardiography including passing the device

Specialist anaesthesiologists with demonstrated skill and experience may charge this code for recognized intra-operative decision making or diagnostic indications when surgery is not necessarily part of the treatment. In both cases this assumes that problem orientated or a complete study is done and advanced decision making is required.

Code 3637 + Colour Doppler (may be added onto any other regional exam, but not to be added to items 3605, 5110, 5111, 5112, 5113 or 5114)

Code 5103 Ultrasound soft tissue, any region

Ultrasound used for the placement of central venous access, arterial lines and nerve blocks can be charged by the anaesthesiologist if he performed the ultrasound.

Please note Rule GG - Capturing and recording of examinations: Images from all radiological, ultrasound and magnetic resonance imaging procedures must be captured during every examination and a permanent record generated by means of film, paper, or magnetic media. A report of the examination, including the findings and diagnostic comment, must be written and stored for five years.

Code 5115 Intra-operative ultrasound study

This code is to be used when anaesthesia or monitored anaesthesia care is required for an ultrasound study to be done.