

## Catálogo Biobanco Valdecilla 2024

| Collection / Diagnosis                       | Collection type                                  | CIE-10 | SNOMED CT     | Type of sample stored                                            | a 31/12/2023 | Age range (years) | Follow-up samples |
|----------------------------------------------|--------------------------------------------------|--------|---------------|------------------------------------------------------------------|--------------|-------------------|-------------------|
| <b>Cardiovascular diseases</b>               |                                                  |        |               |                                                                  | <b>234</b>   |                   |                   |
| Mitral valve prolapse                        | Disease specific                                 | I34.1  | 409712001     | DNA                                                              | 221          | 29-97             | no                |
| Sudden cardiac death                         | Disease specific                                 |        | 95281009      | DNA, fixed solid tissue, frozen solid tissue                     | 13           | 25-66             | no                |
| <b>Digestive diseases</b>                    |                                                  |        |               |                                                                  | <b>864</b>   |                   |                   |
| Cirrhosis of liver                           | Disease specific, Longitudinal                   | K74.60 | 19943007      | serum, DNA, fixed solid tissue                                   | 159          | 43-74             | yes               |
| Liver cell carcinoma                         | Disease specific, Longitudinal                   | C22.0  | 109841003     | serum, DNA, fixed solid tissue                                   | 185          | 18-99             | yes               |
| Autoimmune hepatitis                         | Disease specific, Longitudinal                   | K75.4  | 408335007     | serum, DNA, fixed solid tissue                                   | 12           | 49-69             | yes               |
| Cholecystitis                                | Disease specific                                 | K81.9  | 76581006      | fixed solid tissue                                               | 7            | 18-99             | no                |
| Disorder of colon                            | Disease specific                                 | K58    | 128524007     | fixed solid tissue                                               | 106          | 18-99             | no                |
| Hepatitis                                    | Disease specific                                 | B17.9  | 128241005     | serum, DNA, plasma, fixed solid tissue                           | 192          | 22-72             | yes               |
| Adenomatous polyp of colon                   | Disease specific                                 | D12.6  | 428054006     | fixed solid tissue                                               | 203          | 18-99             | no                |
| <b>Infectious diseases</b>                   |                                                  |        |               |                                                                  | <b>2029</b>  |                   |                   |
| COVID-19                                     | Disease specific, Longitudinal                   | U07.1  | 840539006     | serum, DNA, plasma                                               | 1924         | 0-105             | yes               |
| Viral hepatitis type C                       | Disease specific, Longitudinal, Population-based | B19.2  | 50711007      | serum, DNA, plasma, fixed solid tissue                           | 94           | 22-66             | yes               |
| Human immunodeficiency virus infection       | Disease specific                                 | B20    | 86406008      | serum, plasma, DNA, CSF, fixed solid tissue                      | 11           | 33-64             | no                |
| <b>Metabolic diseases</b>                    |                                                  |        |               |                                                                  | <b>396</b>   |                   |                   |
| Primary hyperparathyroidism                  | Disease specific                                 | E21.0  | 36348003      | DNA                                                              | 396          | 28-93             | no                |
| <b>Neurological and psychiatric diseases</b> |                                                  |        |               |                                                                  | <b>2602</b>  |                   |                   |
| Schizophrenia                                | Disease specific, Longitudinal                   | F20    | 58214004      | serum, DNA, plasma                                               | 280          | 17-78             | yes               |
| Brief reactive psychosis                     | Disease specific, Longitudinal                   | F23    | 5464005       | serum, DNA, plasma                                               | 74           | 17-78             | yes               |
| Psychotic disorder                           | Disease specific, Longitudinal                   | F29    | 69322001      | serum, DNA, plasma                                               | 54           | 17-78             | yes               |
| Schizophreniform disorder                    | Disease specific, Longitudinal                   | F20.81 | 88975006      | serum, DNA, plasma                                               | 149          | 17-78             | yes               |
| Schizoaffective disorder                     | Disease specific, Longitudinal                   | F25.9  | 68890003      | serum, DNA, plasma                                               | 8            | 17-78             | yes               |
| Delusional disorder                          | Disease specific, Longitudinal                   | F22    | 48500005      | serum, DNA, plasma                                               | 4            | 17-78             | yes               |
| Manic episode, with psychosis                | Disease specific, Longitudinal                   | F30.2  | 191586008     | serum, DNA, plasma                                               | 4            | 23-62             | yes               |
| Anorexia nervosa                             | Disease specific                                 | F50.00 | 56882008      | plasma, DNA                                                      | 92           | 13-29             | no                |
| Bulimia nervosa                              | Disease specific                                 | F50.2  | 78004001      | plasma, DNA                                                      | 40           | 13-29             | no                |
| Eating disorder                              | Disease specific                                 | F50.9  | 72366004      | plasma, DNA                                                      | 88           | 13-29             | no                |
| Depressive disorder                          | Disease specific, Longitudinal                   | F32.A  | 35489007      | plasma, DNA                                                      | 18           | 39-72             | yes               |
| Parkinson's disease                          | Disease specific, Longitudinal                   | G20    | 49049000      | serum, plasma, DNA, fixed solid tissue, frozen solid tissue      | 693          | 24-98             | yes               |
| Alzheimer's disease                          | Disease specific                                 | G30    | 26929004      | serum, plasma, DNA, CSF, fixed solid tissue, frozen solid tissue | 633          | 33-109            | no                |
| Dementia of the Lewy body type               | Disease specific                                 | G31.83 | 80098002      | serum, plasma, DNA, CSF, fixed solid tissue, frozen solid tissue | 78           | 61-97             | no                |
| Frontotemporal dementia                      | Disease specific                                 | G31.09 | 230270009     | serum, plasma, DNA, CSF                                          | 80           | 53-92             | no                |
| Mild cognitive disorder                      | Disease specific                                 | G31.84 | 386805003     | serum, plasma, DNA, CSF                                          | 259          | 43-97             | no                |
| Progressive supranuclear palsy               | Disease specific                                 | G23.1  | 192976002     | plasma, DNA, CSF                                                 | 13           | 70-86             | no                |
| Primary progressive aphasia                  | Disease specific                                 | G31.01 | 230278002     | plasma, DNA, CSF                                                 | 23           | 54-89             | no                |
| Sporadic Creutzfeldt-Jakob disease           | Disease specific                                 | A81.09 | 713060000     | DNA, fixed solid tissue, frozen solid tissue                     | 7            | 60-86             | no                |
| Guillain-Barré syndrome                      | Disease specific                                 | G61.0  | 40956001      | fixed solid tissue, frozen solid tissue                          | 1            | 18-99             | no                |
| Vascular encephalopathy                      | Disease specific                                 |        | 81308009      | fixed solid tissue, frozen solid tissue                          | 2            | 18-99             | no                |
| Amyotrophic lateral sclerosis (ORPHA:803)    | Disease specific                                 | G12.2  | 86044005      | DNA, fixed solid tissue, frozen solid tissue                     | 5            | 49-79             | no                |
| <b>Oncological diseases</b>                  |                                                  |        |               |                                                                  | <b>5910</b>  |                   |                   |
| Colon adenocarcinoma                         | Disease specific                                 | C18.9  | 1701000119104 | fixed solid tissue, frozen solid tissue                          | 616          | 18-99             | no                |
| Prostate adenocarcinoma                      | Disease specific                                 | C61    | 399490008     | fixed solid tissue                                               | 261          | 18-99             | no                |
| Basal cell carcinoma of skin                 | Disease specific                                 | C44.91 | 254701007     | fixed solid tissue                                               | 715          | 18-99             | no                |
| Tumor of oral cavity                         | Disease specific                                 | C10.9  | 235075007     | fixed solid tissue                                               | 252          | 18-99             | no                |
| Neoplasm of endometrium                      | Disease specific                                 | C54.1  | 123844007     | serum, plasma, DNA, fixed solid tissue                           | 212          | 50-83             | no                |
| Breast carcinoma                             | Disease specific                                 | C50.91 | 254838004     | fixed solid tissue                                               | 1207         | 18-99             | no                |

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|-------------------------------------------------------------|----------------------------------------------|--------|------------|----------------------------------------------|--------------|-------------------|-------------------|
| Ovary carcinoma                                             | Disease specific                             | C56.9  | 254849005  | serum, plasma, DNA, fixed solid tissue       | 54           | 43-84             | no                |
| Lung carcinoma                                              | Disease specific                             | C34.90 | 363358000  | fixed solid tissue                           | 282          | 18-99             | no                |
| Renal cell carcinoma                                        | Disease specific                             | C64.9  | 702391001  | fixed solid tissue                           | 147          | 18-99             | no                |
| Uterus carcinoma                                            | Disease specific                             | C54.9  | 446022000  | fixed solid tissue                           | 145          | 18-99             | no                |
| Bladder carcinoma                                           | Disease specific                             | C67.9  | 255108000  | fixed solid tissue                           | 179          | 18-99             | no                |
| Non oral squamous cell carcinoma                            | Disease specific                             | C44.9  | 402815007  | fixed solid tissue                           | 361          | 18-99             | no                |
| Neoplasm of brain                                           | Disease specific                             | C71.9  | 126952004  | fixed solid tissue                           | 137          | 18-99             | no                |
| Liver cell carcinoma                                        | Disease specific, Longitudinal               | C22.0  | 109841003  | serum, DNA, fixed solid tissue               | 185          | 18-99             | yes               |
| Leukemia                                                    | Disease specific                             | C91.9  | 93143009   | fixed solid tissue                           | 134          | 18-99             | no                |
| Non Hodgkin lymphoma                                        | Disease specific                             | C85.90 | 118601006  | fixed solid tissue                           | 134          | 18-99             | no                |
| Peripheral T-cell lymphoma                                  | Disease specific                             | C84.40 | 109977009  | fixed solid tissue                           | 24           | 18-99             | no                |
| Bone marrow with neoplastic infiltration                    | Disease specific                             | C90    | 414824005  | fixed solid tissue                           | 447          | 18-99             | no                |
| Multiple Myeloma                                            | Disease specific                             | C90.0  | 109989006  | fixed solid tissue                           | 91           | 18-99             | no                |
| Cervical cancer                                             | Disease specific                             | C53.9  | 123841004  | serum, plasma, DNA, fixed solid tissue       | 351          | 39-75             | no                |
| Plasmacytoma                                                | Disease specific                             | C90.3  | 415112005  | fixed solid tissue                           | 27           | 18-99             | no                |
| <b>Kidney diseases</b>                                      |                                              |        |            |                                              | <b>541</b>   |                   |                   |
| Renal amyloidosis                                           | Disease specific                             | E85.4  | 48713002   | serum, DNA, fixed solid tissue               | 5            | 52-77             | no                |
| Renal disorder due to type 1 diabetes mellitus              | Disease specific                             | E10.2  | 421893009  | serum, DNA                                   | 23           | 44-79             | no                |
| Renal disorder due to type 2 diabetes mellitus              | Disease specific                             | E11.2  | 420279001  | serum, DNA                                   | 12           | 65-82             | no                |
| Renal dysplasia                                             | Disease specific                             | Q61.4  | 204949001  | DNA                                          | 2            | 62-75             | no                |
| Autosomal dominant polycystic kidney disease                | Disease specific, Longitudinal               | Q61.2  | 765330003  | serum, DNA                                   | 72           | 26-82             | yes               |
| Medullary cystic disease                                    | Disease specific                             | Q61.5  | 204957003  | DNA                                          | 2            | 53-53             | no                |
| Renal disease due to hypertension                           | Disease specific                             | I12.9  | 38481006   | serum, DNA                                   | 20           | 50-88             | no                |
| Malignant hypertensive renal disease                        | Disease specific                             | I12.9  | 65443008   | DNA                                          | 8            | 51-75             | no                |
| Focal segmental glomerulosclerosis                          | Disease specific                             | N05.1  | 236403004  | DNA                                          | 3            | 60-68             | no                |
| Glomerulonephritis                                          | Disease specific                             | N05    | 36171008   | serum, DNA, fixed solid tissue               | 179          | 18-85             | no                |
| Congenital hypoplasia of kidney                             | Disease specific                             | Q60.5  | 32659003   | DNA                                          | 5            | 33-83             | no                |
| Chronic renal failure syndrome                              | Disease specific                             | N18.9  | 90688005   | serum, DNA                                   | 30           | 45-87             | no                |
| Systemic lupus erythematosus glomerulonephritis syndrom     | Disease specific                             | M32.14 | 68815009   | serum, DNA                                   | 12           | 35-73             | no                |
| Tubulointerstitial nephritis                                | Disease specific                             | N12    | 428255004  | DNA                                          | 11           | 46-81             | no                |
| Immunoglobulin A nephropathy                                | Disease specific                             | N28.9  | 236407003  | DNA, fixed solid tissue                      | 26           | 35-83             | no                |
| Nephropathy caused by ciclosporin                           | Disease specific                             | N14.1  | 704203009  | DNA                                          | 3            | 55-89             | no                |
| Pyelonephritis                                              | Disease specific                             | N12    | 45816000   | DNA                                          | 32           | 33-89             | no                |
| Tuberculosis of kidney                                      | Disease specific                             | A18.11 | 44323002   | DNA                                          | 3            | 47-80             | no                |
| Nephritis                                                   | Disease specific                             | N05.9  | 52845002   | fixed solid tissue                           | 51           | 18-99             | no                |
| Acute kidney rejection                                      | Disease specific                             | T86.11 | 236570004  | fixed solid tissue                           | 42           | 18-99             | no                |
| <b>Respiratory diseases</b>                                 |                                              |        |            |                                              | <b>455</b>   |                   |                   |
| Chronic obstructive pulmonary disease (COPD)                | Disease specific, Longitudinal, Case-control | J44.9  | 13645005   | serum, plasma, DNA                           | 455          | 43-89             | yes               |
| <b>Rare diseases</b>                                        |                                              |        |            |                                              | <b>83</b>    |                   |                   |
| Spinal muscular atrophy,(ORPHA:83418)                       | Disease specific, Longitudinal               | G12.1  | 128212001  | serum, plasma, DNA, CSF                      | 2            | 19-35             | yes               |
| Granulomatosis with polyangiitis (ORPHA:900)                | Disease specific                             | M31.3  | 195353004  | DNA                                          | 1            | 68                | no                |
| Progressive supranuclear palsy (ORPHA:683)                  | Disease specific                             | G23.1  | 192976002  | plasma, DNA                                  | 13           | 70-83             | no                |
| Alport syndrome (ORPHA:63 )                                 | Disease specific                             | Q87.81 | 770414008  | DNA                                          | 4            | 45-68             | no                |
| Guillain-Barré syndrome (ORPHA:2103)                        | Disease specific                             | G61.0  | 40956001   | fixed solid tissue, frozen solid tissue      | 1            | 18-99             | no                |
| Netherton's syndrome (ORPHA:634)                            | Disease specific                             | Q80.8  | 312514006  | serum, plasma, DNA                           | 1            | 11                | no                |
| Osler hereditary hemorrhagic telangiectasia (ORPHA:774)     | Disease specific                             | I78.0  | 21877004   | DNA                                          | 42           | 23-79             | no                |
| Immunoglobulin A vasculitis (Henoch-Schonlein purpura) (ORP | Disease specific                             | D69.0  | 191306005  | serum, DNA                                   | 2            | 58-67             | no                |
| Amyotrophic lateral sclerosis (ORPHA:803)                   | Disease specific                             | G12.2  | 86044005   | DNA, fixed solid tissue, frozen solid tissue | 5            | 49-79             | no                |
| Corticobasal syndrome (ORPHA:454887)                        | Disease specific                             | G31.0  | 1230018005 | plasma, DNA, CSF                             | 23           | 33-87             | no                |

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|------------------------------------|----------------------------------------|--------|-----------|----------------------------------------|--------------|-------------------|-------------------|
| <b>Other diseases</b>              |                                        |        |           |                                        | <b>821</b>   |                   |                   |
| Giant cell arteritis               | Disease specific, Case-control         | M31.6  | 400130008 | DNA                                    | 72           | 46-95             | no                |
| Rheumatoid arthritis               | Disease specific, Case-control         | M06.9  | 69896004  | DNA, fixed solid tissue                | 202          | 16-90             | no                |
| Polymyalgia rheumatica             | Disease specific, Case-control         | M35.3  | 65323003  | DNA                                    | 223          | 40-100            | no                |
| Dermatitis                         | Disease specific                       | L30.9  | 703938007 | fixed solid tissue                     | 118          | 18-99             | no                |
| Vocal cord nodule                  | Disease specific                       | J38.2  | 11366004  | fixed solid tissue                     | 23           | 18-99             | no                |
| Epidermal nevus                    | Disease specific                       | I78.1  | 239107007 | fixed solid tissue                     | 179          | 18-99             | no                |
| Immunoglobulin A deficiency        | Disease specific                       | D80.2  | 29260007  | serum, plasma, DNA                     | 4            | 18-99             | no                |
| <b>Controls/Cohorts</b>            |                                        |        |           |                                        | <b>45434</b> |                   |                   |
| HCV Population Cohort              | Cross-sectional, Population-based      |        |           | serum, plasma, DNA                     | 9103         | 20-79             | no                |
| Cohort Cantabria                   | Cohort, Longitudinal, Population-based |        |           | serum, plasma, DNA, fixed solid tissue | 34091        | 40-69             | yes               |
| Valdecilla Cohort                  | Cohort, Longitudinal, Population-based |        |           | serum, plasma, DNA, CSF, urine         | 214          | 57-86             | yes               |
| Psychiatric pathology controls     | Longitudinal, Case-control             |        |           | serum, DNA, plasma                     | 439          | 19-80             | yes               |
| Neurological pathology controls    | Case-control                           |        |           | serum, plasma, DNA,                    | 617          | 36-102            | no                |
| COPD controls                      | Case-control                           |        |           | serum, plasma, DNA                     | 80           | 39-81             | no                |
| Rheumatic pathologies controls     | Case-control                           |        |           | DNA                                    | 97           | 16-90             | no                |
| Cardiovascular pathology controls  | Case-control                           |        |           | DNA                                    | 343          | 18-75             | no                |
| Pregnant                           | Longitudinal, Case-control             |        |           | serum, plasma, DNA                     | 160          | 22-49             | yes               |
| Umbilical cord newborns (COVID-19) | Case-control                           |        |           | serum, plasma, DNA                     | 90           | 0                 | yes               |
| University volunteers              | Cross-sectional, Population-based      |        |           | DNA                                    | 200          | 18-30             | no                |